Cromwell
KENNEDY
KOBE
SWISS+TECH
Keeping Industry
Working™

# We keep operations running

**Cromwell was started by one man almost 60 years ago. His ambition was to supply local industries with the tools they needed, when they needed them. Today, Cromwell is a global organisation and we're still delivering vital products to our customers. In 2015 we became part of the WW Grainger Inc family, and the partnership has allowed us to grow internationally.**

We supply industries all over the world in categories that include hand tools, cutting tools, air tools and abrasives and many more.

With our six decades of experience as a supplier, we know quite a lot about products. That gives us a unique insight into what our customers need and the challenges they face while balancing quality and value. So, we've developed our own, exclusive brands that offer customers greater choice at fair prices.

But we offer so much more than just a wide choice of products and great customer service, we add value with expert advice. Our team of time-served sales experts help customers to solve production problems, improve their operations and increase profitability.

**We're more than a supplier, we're part of your team.**

## Get in touch

Keeping Industry Working™

# Contents


| | |
|---|---|
| A-Z Index | 8 |
| Cutting Tools | 22 |
| Abrasives, Air Tools & Accessories | 104 |
| Measuring & Test Equipment | 162 |
| Storage & Handling | 190 |
| Hand Tools | 222 |
| Fasteners & Fixings | 532 |
| Miscellaneous | 550 |
| Lubricants & Chemicals | |
| Janitorial & Hygiene | |
| Office Supplies & Packaging | |
| Welding | |
| Site Maintenance | |
| Personal Protection | 648 |

# About us

## Our purpose

**Our purpose is simple: to keep operations running and people safe.**

Every day, thousands of businesses around the world rely on Cromwell to deliver their products and keep their workforce safe. They know that a reliable partnership with a supplier is essential for growth and profitability. Our customers are the focus of everything we do, and they trust us to provide reputable support and contribute to their success.

## Our ambition

**Our goal is to be the easiest company to deal with.**

To make it happen, we've made customer service our priority.

We've invested in our website, making it quicker to search the thousands of products that are available. Our colleagues in the sales and customer team have regular product updates so they can offer useful advice. We invest in technology only when it benefits our customers and makes life easy for them.

## Our expertise

**Practical advice from time-served sales experts.**

Cromwell's team of experts are on hand to support businesses and offer practical guidance to customers. From information on range and categories, to choosing the best product for an application, they are time served, qualified sales experts ready to help.

Their technical support and recommendations add value to businesses and make sure operations run smoothly and safely.

We also publish a range of 'safety expert guides.' They are useful documents that explain which safety products should be used for certain applications.

Keeping Industry Working™

# The Cromwell difference – keeping operations running

What we do is essential to those who create the world around us. Our products help to keep planes in the air, buildings over our heads, support medical advancements and maintain production lines for thousands of manufacturers.

We are more than just a supplier, we're a partner. We listen to our customers and deliver great service and valuable expertise, as well as a huge choice of products.

And we make it easy to do business with us too.

### Great products, great quality

Excellent choice and quality of products, readily available

### Reliable service

You'll get your products on time, and in full to our promise

### The personal touch

Real people providing real solutions in real time

### Easy to deal with

We work hard to make it easy to find and buy what you need

### Expertise at hand

Specialist technical support to help you get the job done right

**Huge range of products, expert technical advice, easy to deal with, that's the Cromwell promise**

# How to find us

**Cromwell operates in your region. Thousands of products and expert technical support.**

Our range and services are available in 11 regions, globally.

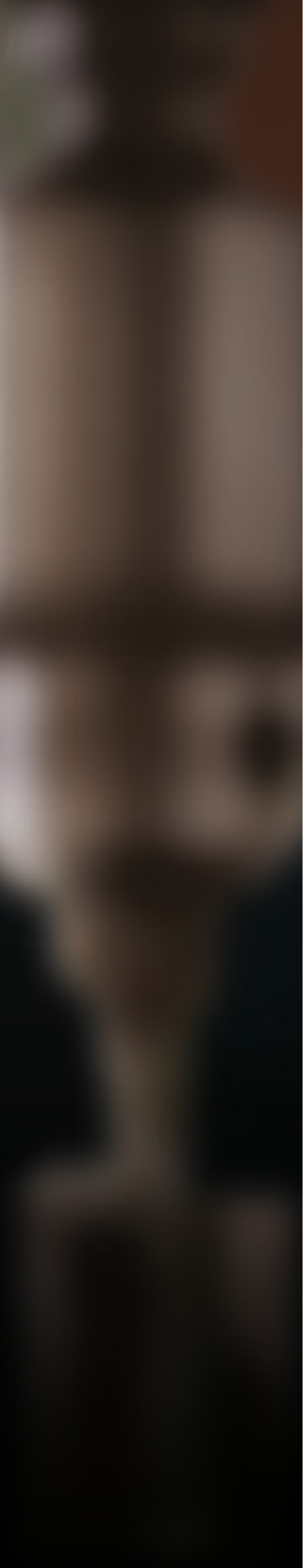
We're open Monday – Thursday from 08:00 - 16:30 and Friday 07:30 - 15:30.

We hold thousands of products in stock, ready to be despatched for next working day delivery.

Whatever your business needs, Cromwell will support you.

Cromwell
Keeping Industry Working

KENNEDY®



Quality tools
by Cromwell®

## With Kennedy tools in your hands, you can build more. You can build a reputation.

Throughout your working life, Kennedy is working to support you – with the tools you need to do the best job you can. We're there when you start your career. We're with you as you build your professional reputation. We're here to help you achieve your full potential in your industry. The work starts today.

3D Axis Gauging . . . . . 166

## A

Abrasives, Grinding Wheel . . . . . 123 - 125
Absorbent Chemical-Only Pads . . . . . 565
Oil-Only Pads . . . . . 564, 570
Pads, Pillows, Mats . . . . . 570
Rolls . . . . . 564, 570
Access Barriers . . . . . 646
Access Platforms . . . . . 643
Adaptors, Morse Taper . . . . . 159
Adaptors, Shank . . . . . 206
Adhesive Backed Sanding Discs . . . . . 111
Adhesive Spreaders . . . . . 323
Adhesives, Tape . . . . . 640 - 641
Adjustable Hook Wrenches . . . . . 92
Spanners . . . . . 224 - 225, 414, 461
Spanners, Insulated . . . . . 326, 331
Agricultural Tools . . . . . 287
Air Hose Balancers . . . . . 132
Preparation Equipment . . . . . 137, 158
Tool Accessories . . . . . 132
Airline Couplings . . . . . 135 - 137, 159
Gauges . . . . . 135
Hoses . . . . . 132, 158
Lubricators . . . . . 137
Aluminium Tool Cases . . . . . 492
Aluminium-Oxide Cloth . . . . . 110
Angle Finders . . . . . 525
Finders, Digital . . . . . 178
Grinders, Air . . . . . 141 - 142
Angled Mini Die Grinders-Air . . . . . 141
Anti-Freeze Testers . . . . . 250
Anti-Rust Paper . . . . . 579
Anti-Slip Floor Products . . . . . 634
Aprons, Carpenters . . . . . 487
Arbors, Diamond Core Drill . . . . . 158
Arbors, Holesaw . . . . . 54
Archive Boxes . . . . . 575
Asphalt Rakes . . . . . 291
Automotive Fuses . . . . . 245, 540
Automotive Wire Splicing Kit . . . . . 245
Axes . . . . . 297
Axis Gauging Equipment . . . . . 166
Axle Stands . . . . . 236

## B

Backing Pads . . . . . 148, 155 - 156
Bag Sealers . . . . . 642
Bags, Gripseal . . . . . 582
Laptop . . . . . 489
Woven Polypropylene . . . . . 598
Ball Joint Service Tools . . . . . 242
Ball Pein Hammers . . . . . 299, 412
Banding Materials & Tools . . . . . 580 - 581
Banding Tools . . . . . 580
Barn Type Tool Boxes . . . . . 495 - 496
Barrier Chains & Posts . . . . . 647
Barriers, Access . . . . . 646
Portable . . . . . 646
Tape . . . . . 634
Base Fixturing Components . . . . . 203
Baseball Caps . . . . . 651
Bases, Magnetic . . . . . 180 - 182
Basin Wrenches . . . . . 479
Bath, Plasterers . . . . . 257
Bathroom Locks . . . . . 619
Battery Testers . . . . . 245
Bearing Separators . . . . . 239
Belt Sanders, Air . . . . . 147
Bench Drills . . . . . 153
Grinders . . . . . 153
Hooks . . . . . 521
Magnifiers . . . . . 171
Benches, Work . . . . . 194
Bevel Protractors . . . . . 173
Bevels, Carpenters . . . . . 525
Bi-Directional Flow Regulators . . . . . 136
Bi-Metal Holesaws . . . . . 54 - 55
Binoculars . . . . . 172
Bins, Wheelie . . . . . 571
Bits, Flat . . . . . 524
Blacksmiths Drills . . . . . 38
Blade Fuses . . . . . 245, 540
Blades, Hacksaw . . . . . 53
Knife . . . . . 339, 344 - 345
Tile Saw . . . . . 53
Blow Guns, Air . . . . . 133
Body Saw Blades . . . . . 145
Bodywork Tools . . . . . 227 - 228, 236, 250
Bolt Clamps . . . . . 549
Bolt Cutters . . . . . 483
Bonnets, Polishing . . . . . 148, 157
Booster/Starter Cables . . . . . 245
Boots, Safety . . . . . 688 - 689
Bore Gauges, Dial Indicating . . . . . 165, 170

Boring Bars, Indexable . . . . . 74 - 76
Bossing Mallets . . . . . 360
Bottle Jacks . . . . . 236
Bottle Oilers . . . . . 355
Box Spanners . . . . . 416
Boxes, Archive . . . . . 575
Boxes, Storage . . . . . 192
Bradawls . . . . . 523
Brake Tools . . . . . 228, 246 - 248
Breast Drills . . . . . 525
Bricklaying Tools . . . . . 251, 254, 258
Brooms . . . . . 593 - 594
Brushes, Artists . . . . . 318
- Car Wash . . . . . 593
- Decarbonising . . . . . 161, 244, 249
- Decorators . . . . . 316, 319, 592
- Fitch . . . . . 319
- Hand . . . . . 318 - 319, 593 - 594
- Laminating . . . . . 318
- Paint . . . . . 317, 592
- Radiator . . . . . 319
- Sash . . . . . 318
- Scrubbing . . . . . 594
- Slimline . . . . . 591
- Tar . . . . . 592
- Toilet . . . . . 595
- Tube . . . . . 161, 591

Buckets . . . . . 257, 592, 595 - 596
Buckets, Mop . . . . . 595 - 596
Buffing Pads . . . . . 157
Builders Trowels . . . . . 258
Burrs, Carbide . . . . . 115 - 119
Burrs, Diamond Coated . . . . . 119
Butane & Propane Gas Equipment . . . . . 266 - 267
Button Head, Socket Screws . . . . . 534

Cabinet Scrapers . . . . . 522
Cabinets & Work Benches . . . . . 194
Cabinets, Filing . . . . . 576
Cabinets, Key . . . . . 504, 578
Cable Glands . . . . . 541
- Strippers . . . . . 264 - 265, 347
- Tie Tools . . . . . 263
- Ties . . . . . 263
- Tools, Insulated . . . . . 330 - 332

Caliper Attachments . . . . . 176
Calipers, Dial . . . . . 174 - 175
- Digital . . . . . 177
- Firm Joint . . . . . 270
- Spring . . . . . 270
- Vernier . . . . . 176

Cantilever Tool Boxes . . . . . 495 - 496
Cap Screws, Socket Head . . . . . 534
Car Care Products . . . . . 593
Car Creepers . . . . . 233
Carpenters Aprons . . . . . 487
Carpenters Pincers . . . . . 376
Carton & Strapping . . . . . 339, 346
Carton Openers . . . . . 346
Cartridge Roll Mandrels . . . . . 114
- Rolls . . . . . 114
- Rolls, Abrasive . . . . . 114

Cash Boxes . . . . . 578
Castors, Wheel . . . . . 603 - 612
Centre Drill Sets . . . . . 45, 88
- Drills . . . . . 29, 39, 88, 95
- Finders . . . . . 278
- Punches . . . . . 275

Centres, Revolving . . . . . 220
Centres, Solid . . . . . 220
Chain Barrier . . . . . 647
- Pin Extractors . . . . . 471
- Wrenches . . . . . 461

Chairs, Industrial . . . . . 576
Chalk Lines . . . . . 524
Chamois . . . . . 597
Chemical-Only Absorbent Pads . . . . . 565
Chisels, Cold . . . . . 251 - 252, 254, 412
- Power Tool . . . . . 159
- Wood . . . . . 522 - 523

C-Hook Spanners . . . . . 415, 430
Chuck Jaws, Lathe . . . . . 390
Chucks, Keyless, Drill . . . . . 139
Chucks, Pin . . . . . 282
Circlips . . . . . 535
Circuit Testers . . . . . 245, 264
Clamp Meters . . . . . 269
Clamping Sets, T-Slot . . . . . 198
Clamps, Bolt . . . . . 549
- Corner/Frame . . . . . 352, 521
- G . . . . . 350
- Hose . . . . . 248, 547
- Quick Grip . . . . . 352
- Sash . . . . . 352
- Speed . . . . . 351, 378, 380
- T Handled . . . . . 351
- Toggle . . . . . 207 - 212
- Toolmakers . . . . . 282

Claw Hammers . . . . . 299, 303
Cleaners, Foaming . . . . . 573
Cleaners, Hand . . . . . 574
Cleaning Cloths & Sponges . . . . . 597, 599
Clevis Pins . . . . . 536
Clips, Hose . . . . . 546 - 549

Spire . . . 542
Terry . . . 548
Cloths, Cleaning . . . 597, 599
Club Hammers . . . 301 - 302
CNC Tool Storage . . . 92
Coat Hooks . . . 620
Coil Spring Compressors . . . 242
Cold Chisels . . . 251 - 252, 254, 412
Collets for Air Grinders . . . 142, 144
Collets, Rubberflex . . . 92
Collets, Type R8 . . . 92
Combination Pliers . . . 369, 381
Sets . . . 173, 419 - 420, 525
Spanners . . . 418 - 422, 460
Compression Tester . . . 229
Connectors . . . 136
Containment Storage . . . 558 - 559, 561, 571
Continuity Testers . . . 245
Contour Gauges . . . 323
Contractors Tools . . . 285, 287 - 292, 592
Converters, Square Drive . . . 430, 436, 442, 444
Coolant Hoses . . . 217
Cooling System Tester . . . 229
Copper Hammers . . . 306 - 308, 310
Copper Washers . . . 542
Copper/Rawhide Hammers . . . 306 - 307
Core Bits . . . 158
Corner Clamps . . . 352, 521
Corrosion Protection . . . 642
Cotter Pins . . . 536
Counter Measure . . . 272
Counterbores, HSS . . . 29
Counters, Hand Tally . . . 169
Countersinks . . . 26 - 28
Couplings, Airline . . . 135 - 137, 159
Coveralls, Workwear . . . 683 - 684
Cranes . . . 602
Creepers, Car & Garage . . . 233
Crimping Tools . . . 259 - 262, 264
Cross Pein Hammers . . . 304
Crowbars . . . 253
Crowfoot Wrenches . . . 427
Cut-Off Wheels . . . 122, 474
Cutters, Fibre Optic . . . 324 - 325
Pipe . . . 474 - 475
Side . . . 264, 371 - 372
Wire . . . 372
Cutting Discs . . . 122, 474
Cutting Nozzles, Welders . . . 585


# D


Dead Blow Hammers . . . 302, 307
Dead Locks . . . 618
Deburrer, Pipe . . . 475
Deburring Tools . . . 118
Deburring Tools, Hand . . . 77 - 80, 118
Decarbonising Brushes . . . 161, 244, 249
Decorators Brushes . . . 316, 319, 592
Depth Gauges, Digital . . . 179
Gauges, Scale . . . 273
Micrometers . . . 186
Descaler & Hammer Accessories . . . 146
Descalers & Hammers, Air . . . 146
Desoldering Tools . . . 267
Detectors, Voltage . . . 269
Dial Calipers . . . 174 - 175
Indicating, Bore Gauges . . . 165, 170
Indicator Spares . . . 165
Test Indicators, Lever type . . . 165
Test Indicators, Plunger Type . . . 164
Diamond Hand Files . . . 52
Diamond Wheel Dressers . . . 221
Die & Mould Cutters . . . 99 - 100
& Tap Sets . . . 65
Grinders, Air . . . 142 - 144
Nuts, Metric Fine . . . 66
Springs . . . 218 - 219
Stocks . . . 280
Diemakers Riffler Files . . . 50
Dies & Die Nuts, HSS . . . 64, 66
Dies, Metric Coarse . . . 66
Digital Calipers . . . 177
Digital Indicators . . . 177 - 178
Dishcloths . . . 597
Dispensers, Packing Materials . . . 579
Soap & Hand Cleanser . . . 574
Tape . . . 634, 642
Dispensing Bottles . . . 355
Disposable Knives . . . 344
Dividers, Spring . . . 270
Dollies, Panel Beating . . . 226
Door & Gate Furniture . . . 621, 627
Closers . . . 618
Handles . . . 620
Locks . . . 618 - 619
Stops . . . 619
Double Sided Tapes . . . 637 - 638, 642
Dowels, Steel . . . 536, 544
Drain Rods . . . 471 - 472
Drainer, Oil . . . 357

Dressers Wheel, Diamond . . . 221
Dressers Wheel, Huntington . . . 221
Drill & Tap Sets, HSS . . . 30
Drifts . . . 220
Gauges . . . 273
Press Vices . . . 213, 216
Sets, Maintenance . . . 45
Sleeves, Morse Taper . . . 220
Drills, Air . . . 139 - 140
Bench . . . 153
Blacksmiths . . . 38
Breast . . . 525
Carbide, Spotting . . . 95
Centre . . . 29, 39, 88, 95
Extra Length . . . 29, 40
Hand . . . 522
HSS-Co, Micro Precision . . . 45
Jobber . . . 30, 33 - 35, 40 - 41, 44 - 45, 86 - 87, 94 - 95
Jobber, HSS, Slow Spiral . . . 44
Long Series . . . 36, 40
Long Series Parabolic Flute . . . 87
Masonry Bits . . . 56
Pillar . . . 153
SDS-Plus Bits . . . 56
Sheet & Tube . . . 25
Spotting . . . 38, 88
Stub . . . 94
Taper Shank . . . 37, 44
Drip Trays, Oil . . . 356
Drop Head Threaders . . . 477
Drum Taps . . . 356
Drum Trucks . . . 356
Dry Wipe Boards & Accessories . . . 579, 583
Duct Tape . . . 637 - 638, 641
Dustbins . . . 598
Dusters . . . 597


## E


Ear Defenders . . . 653
Plug Dispensers . . . 653
Plugs . . . 653
Easyline Markers . . . 556
E-Clips . . . 535
Edge Finders . . . 278
Ejector Springs, Holesaw . . . 54
Elbow Joint Stand . . . 181
Electrical - Terminals . . . 259 - 260
Electrodes, Welding . . . 587 - 588
End Mills . . . 96 - 97, 99
Endmills, Carbide, High Helix . . . 56
Engine Tools, Specialist . . . 244, 249 - 250
Engineers Hand Files . . . 46 - 48
Hooks & Picks . . . 281
Marking Blue . . . 556
Scrapers . . . 282
Squares . . . 270
Vices . . . 214, 216, 389
Environment Meters . . . 168, 268
Euro Nesting Bins . . . 192
Exhaust Mount Pull Hook . . . 250
Explorer Cases . . . 489
Extension Bars, Square Drive . . . 431, 433, 439, 444 - 445, 462
Extension Sockets, Morse Taper . . . 220
Extra Length Drills . . . 29, 40
Extractor Sockets, Square Drive . . . 443
Extractors, Screw . . . 59
Eye Loupes, Magnifying . . . 171, 279
Eye Protection . . . 659 - 660


## F


Face Shields, Welders . . . 661
Feeler Gauges . . . 274
Feeler Stock . . . 283
Felt Bobs, Cones & Sticks . . . 127
Fencing . . . 296
Fencing Mauls . . . 290
Fencing Tool . . . 290, 376
Fibre Optic Cutters . . . 324 - 325
Vice Jaws . . . 480
Washers . . . 541
File Handles . . . 313
Files, Diamond . . . 52
Diemakers Riffler . . . 50
Engineers Hand . . . 46 - 48
Milled Tooth . . . 51
Needle . . . 49 - 50
Thread Restoring . . . 24, 65
Filing Cabinets . . . 576
Filling Knives . . . 314
Finders, Centre . . . 278
Finders, Edge . . . 278
Firm Joint Calipers . . . 270
Fitch Brushes . . . 319
Fixings, Frame . . . 541
Fixit Kits . . . 534 - 542, 547
Fixturing Components . . . 203
Flame Retardant Workwear . . . 661
Flap Discs, Abrasive . . . 120
Flap Wheels, Abrasives . . . 121, 125
Flared Nut Ring Spanners . . . 429
Flaring Tools, Pipe . . . 476
Flat Bits . . . 524

Floats . . . . . 257
Floodlights . . . . . 554
Floor Matting . . . . . 614 - 615, 617
Floor Scrapers . . . . . 292
Fluteless Taps . . . . . 62, 102
Foam Adhesive Tapes . . . . . 638
Foam Cleaner Sprays . . . . . 573
Folding Trolleys . . . . . 644
Foot Pumps . . . . . 135, 244
Footcare, Insoles & Sprays . . . . . 691
Footwear, Safety . . . . . 689 - 690
Force Feed Oil Cans . . . . . 355
Forks, Garden . . . . . 284
Fount Sets . . . . . 388
Frame Clamps . . . . . 352, 521
Frame Fixings . . . . . 541
Fuel Containers . . . . . 243
Pump Testers . . . . . 247
Transfer Pumps . . . . . 354
Funnels . . . . . 353
Fuses, Automotive . . . . . 245, 540


## G


Garage Creepers . . . . . 233
Garden Hose Fittings . . . . . 294 - 295
Refuse Bags . . . . . 296
Sprayers . . . . . 293 - 294
Waste Bags . . . . . 296
Gardening Tools, Hand . . . . . 284 - 287
Gas Regulators, Welding . . . . . 584
Gas Welding & Cutting . . . . . 584 - 585
Gauges, Air Pressure . . . . . 135
Contour . . . . . 323
Depth . . . . . 273
Drill . . . . . 273
Feeler . . . . . 274
Height, Dial & Digital . . . . . 174
Hole . . . . . 277
Marking . . . . . 524
Mortice . . . . . 524
Radius . . . . . 273
Screw . . . . . 273
Surface . . . . . 281
Taper Bore . . . . . 272
Telescopic . . . . . 277
Thickness . . . . . 174
Wire . . . . . 273
Gauging, 3D Axis . . . . . 166
Gauntlets, Welders . . . . . 673
G-Clamps . . . . . 350
General Purpose Saws . . . . . 520
Gloves, Abrasion Resistant . . . . . 668, 671
Chemical Resistant . . . . . 672
Cut Resistant . . . . . 666 - 670
Disposable . . . . . 677
General Handling . . . . . 671, 675 - 676
Goatskin . . . . . 675
Mechanics . . . . . 670 - 672
Nitrile . . . . . 670, 677
Rigger . . . . . 674 - 676
Tear Resistant . . . . . 668, 671
Thermal Protection . . . . . 673
Welders Gauntlets . . . . . 673
Goggles, Safety . . . . . 660
Grease Guns . . . . . 355, 357 - 358
Nipples . . . . . 359
Pumps . . . . . 354 - 355, 357
Grinding Discs . . . . . 122 - 123
Grinding Wheel . . . . . 123 - 124
Grip Wrenches . . . . . 376 - 380
Gripseal Bags . . . . . 582
Grommets . . . . . 541
Grout Removers . . . . . 323
Gummed Tape . . . . . 639, 642
Gun-nose Taps . . . . . 61, 101 - 103


## H


Hacking Knives . . . . . 315
Hacksaw Blades . . . . . 53
Hacksaw Frames . . . . . 348 - 349
HALO® . . . . . 651, 653, 658 - 659, 666 - 670, 672 - 675, 677, 681, 683 - 684, 688 - 690
Hammer & Descaler Accessories . . . . . 146
Shafts . . . . . 312
Wedges . . . . . 312
Hammers & Descalers, Air . . . . . 146
Hammers, Aluminium . . . . . 306, 308, 310
Ball Pein . . . . . 299, 412
Brick . . . . . 304
Claw . . . . . 299, 303
Club . . . . . 301 - 302
Copper . . . . . 306 - 308, 310
Copper/Rawhide . . . . . 306 - 307
Cross Pein . . . . . 304
Dead Blow . . . . . 302, 307
Machinist . . . . . 300
Magnetic . . . . . 304
Nylon Faced . . . . . 305 - 306, 309
Planishing . . . . . 299 - 300
Plastic Faced . . . . . 305 - 310
Rawhide . . . . . 306, 310
Rubber . . . . . 309

Sledge . . . . . 302, 412
Welders Chipping . . . . . 300
Hand Deburring Tools . . . . . 77 - 80, 118
Drills . . . . . 522
Files, Diamond . . . . . 52
Files, Engineers . . . . . 46 - 48
Files, Milled Tooth . . . . . 51
Files, Needle . . . . . 49 - 50
Magnifiers . . . . . 171
Pads, Abrasive . . . . . 113, 126
Shovels . . . . . 594
Soaps & Cleaners . . . . . 574
Stamps . . . . . 387 - 388
Tackers . . . . . 582
Tally Counters . . . . . 169
Taps . . . . . 60 - 63
Taps, Left Hand . . . . . 63
Towels & Wipes, Paper . . . . . 632
Handles, Door . . . . . 620
File . . . . . 313
Torque . . . . . 366
Hardness Testers, Bench . . . . . 167
Harnesses, Safety . . . . . 651
Hasps . . . . . 627, 629
Hazard Marking Tapes . . . . . 634
Head Torches . . . . . 590
Hearing Protection . . . . . 653
Heat Guns . . . . . 154
Guns, Electric . . . . . 154
Sealers . . . . . 642
Shrink Tubing . . . . . 259
Height Gauges, Dial & Digital . . . . . 174
Helicoil Inserts . . . . . 543
Helmets, Welders . . . . . 661
Hexagon Wrenches . . . . . 526 - 530
Hinges . . . . . 621
Hi-Visibility Fencing . . . . . 296
Hoes . . . . . 285 - 287
Holdalls . . . . . 489 - 490
Holdfasts, Magnetic . . . . . 363
Hole Gauges . . . . . 277
Holesaw Arbors . . . . . 54
Holesaw Ejector Springs . . . . . 54
Holesaws, Bi-Metal . . . . . 54 - 55
Hollow Punches . . . . . 277
Hones, Cylinder . . . . . 231
Hook Wrenches . . . . . 430
Hook Wrenches, Adjustable . . . . . 92
Hook-n-Loop Discs . . . . . 156
Hooks & Picks, Engineers . . . . . 281
Hooks, Coat . . . . . 620
Hose Clamps . . . . . 248, 547
Clip Drivers . . . . . 547
Clip Pliers . . . . . 247 - 248
Clips . . . . . 546 - 549
Hoses, Airline . . . . . 132, 158
Coolant . . . . . 217
Hydraulic . . . . . 359
Water . . . . . 132, 295
HSS Drills, Jobber Length, Slow Spiral . . . . . 44
Huntington Wheel Dressers . . . . . 221
Hydraulic Hoses . . . . . 359
Presses . . . . . 230
Pullers . . . . . 237, 241
Ram . . . . . 230
Hygrometers . . . . . 168


## I


Ice Breaker . . . . . 292
Identification Labels, Stores . . . . . 634
Identity Discs . . . . . 601
Impact Wrenches, Air . . . . . 150 - 152
Indexable Milling Cutters . . . . . 81, 90 - 91
Milling Inserts . . . . . 81
Turning Inserts . . . . . 82 - 85
Indicators, Digital . . . . . 177 - 178
Injector Removal Set . . . . . 250
Inspection Lamps . . . . . 589
Inspection Mirrors . . . . . 279
Insulated Tools . . . . . 326 - 335, 369, 395, 398
Insulation Tapes . . . . . 639, 641
Internal Micrometers, Tubular . . . . . 186
Irons, Soldering . . . . . 266 - 267


## J


Jacks, Bottle . . . . . 236
Scissor . . . . . 236
Transmission . . . . . 237
Trolley . . . . . 234 - 235
Jerry Cans . . . . . 243, 353
Jobber Drills . . . . . 30, 33 - 35, 40 - 41, 44 - 45, 86 - 87, 94 - 95
Jobber Drills, HSS, Slow Spiral . . . . . 44
Jump Leads . . . . . 245


## K


Ken-Grip® . . . . . 432, 435, 441, 447, 450, 453
Kentucky Mops . . . . . 595
Key Blanks. Safe . . . . . 504, 578
Cabinets . . . . . 504, 578
Rings . . . . . 578
Steel . . . . . 197
Keyless Drill Chucks . . . . . 139

Kick Stools . . . 575
Knee Pads . . . 678
Knife Blades . . . 339, 344 - 345
knives . . . 339 - 341, 345
Knives, Craft . . . 344 - 345
Disposable . . . 344
Filling . . . 314
Hacking . . . 315
Linoleum . . . 316
Palette . . . 316
Pocket . . . 345
Precision . . . 344 - 345
Putty . . . 315, 414
Shoe . . . 316
Snap Off . . . 342 - 343
Trimming . . . 339 - 341, 347
Utility . . . 340, 346 - 347
Kobe® . . . 147, 154
Kraft Paper . . . 579

## L

Labels, Stores Identification . . . 634
Ladders, Aluminium . . . 601
Step . . . 601
Laminating Brushes . . . 318
Lamps, Inspection . . . 589
Laptop Bags . . . 489
Laser Levels . . . 255
Lathe Carriers . . . 213
Lathe Chuck Jaws . . . 390
Laundry Trolleys . . . 644
Lawn Edgers . . . 285
Lazy Tong Riveters . . . 390
Lenses, Welding . . . 661
Levels, Digital . . . 178
Laser . . . 255
Spirit . . . 255 - 256, 518
Lever Action Riveters . . . 391
Pumps . . . 354
Type Dial Test Indicators . . . 165
Lifting Equipment . . . 234 - 236
Lifting Suction Cups . . . 228
Lighting Products . . . 589
Line Marking Paints . . . 556
Line Pins . . . 258
Linen Trolleys . . . 644
Linoleum Knives . . . 316
Liquid Measures . . . 353
Lock Cylinders, Door . . . 619
Lock Washers . . . 541
Locking Tapes . . . 336
Lockout & Tagout Systems . . . 626, 628, 630 - 631
Long Arm Riveters . . . 390
Long Measuring Tapes . . . 336 - 337
Lo-Tac Tapes . . . 640
Louvre Panels Storage Systems . . . 192 - 193
Louvred Panel Bin Kits . . . 192
Lubricators, Airline . . . 137

## M

Machine Taps . . . 101 - 103
Machine Vices . . . 213, 216
Machinists Spirit Levels . . . 187
Mag-Drill Cutters . . . 138, 159
Magnetic Bases . . . 180 - 182
Cable Guides . . . 263
Chuck Blocks . . . 188
Hammers . . . 304
Holdfasts . . . 363
Pick-Up Tools . . . 361 - 362
Screw Holders . . . 402 - 403
Strips . . . 634
Trays . . . 362, 501
Magnets . . . 363
Magnifiers, Bench . . . 171
Eye Loupes . . . 171, 279
Pocket/Hand . . . 171
Mains Testers . . . 264
Maintenance Drill Sets . . . 45
Maintenance Spill Kit . . . 568, 571 - 572
Mallets . . . 301, 305, 307
Markers, Ink . . . 556
Markers, Metal . . . 556
Marking Gauges . . . 524
Masking Tapes . . . 637
Masonry Drill Bits . . . 56
Materials Handling . . . 644
Matting, Safety . . . 614 - 615, 617
Mauls, Fencing . . . 290
Maxi Fuses . . . 245, 540
Measuring Jugs . . . 353
Measuring Wheels, Road . . . 337
Mechanical Pullers . . . 239 - 240
Mechanical Stroke Counters . . . 169
Mechanics Stethoscope . . . 233
Mechanics Tools . . . 226, 228, 238, 247
Metal Markers . . . 556
Meter Keys . . . 478
Meters, Humidity . . . 168, 268
Meters, Thermometers . . . 168
Micro Precision, HSS-Co, Drills . . . 45
Micrometer Heads . . . 186

Micrometer Stands . . . . . 185
Micrometers, Depth . . . . . 186
External . . . . . 183 - 184
External, Digital . . . . . 179, 184
External, Interchangeable Anvils . . . . . 185
External, Point . . . . . 185
Internal, Digital . . . . . 185
Internal, Tubular . . . . . 186
Milled Tooth Hand Files . . . . . 51
Milling Cutter Sets . . . . . 100
Cutters, Indexable . . . . . 81, 90 - 91
Cutters, Multi-Tooth . . . . . 138, 159
Inserts . . . . . 81
Mini Clips . . . . . 546
Mirrors, Inspection . . . . . 279
Mirrors, Security . . . . . 578
Mitre Blocks & Boxes . . . . . 521
Mixers, Paint & Plaster . . . . . 257
Mop Buckets . . . . . 595 - 596
Mops . . . . . 594 - 595
Morse Taper Drill Sleeves . . . . . 220
Morse Taper Extension Sockets . . . . . 220
Mortice Gauges . . . . . 524
Mounted Points . . . . . 128 - 129
Multi-Angle Vices . . . . . 267
Multi-Function Tools . . . . . 384
Multimeters . . . . . 268
Multipliers, Torque . . . . . 366
Multi-Tools & Engravers . . . . . 154
Multi-Tooth, Milling Cutters . . . . . 138, 159

## N

Nail Pouches . . . . . 487
Nail Punches . . . . . 275
Needle Hand Files . . . . . 49 - 50
Needle Scalers, Air . . . . . 146
Nibbler & Shear Accessories . . . . . 145
Nibblers & Shears, Air . . . . . 145
Nibblers, Sheet Metal . . . . . 482
Nippers, Diagonal Cutting . . . . . 381 - 383, 385
End Cutting . . . . . 371
Miniature . . . . . 374, 384
Nipples, Grease . . . . . 359
Nitrile Gloves . . . . . 670, 677
Nitto Kohki® . . . . . 141, 146
Non-Sparking Safety Tools . . . . . 408 - 414
(Not Indexed) . . . . . 41, 126, 141, 146, 216, 229, 238, 480
Noticeboards . . . . . 579, 583
Nozzles, Welding . . . . . 585
Number Punches . . . . . 387
Nut Spinners . . . . . 365
Nut Splitters . . . . . 237
Nuts, Hexagon . . . . . 535, 539
Nylon . . . . . 535, 537
Rivet . . . . . 536
Rivet Inserters . . . . . 391
Nylon Faced Hammers . . . . . 305 - 306, 309

## O

O-Clip Pincers . . . . . 376
O-Clips . . . . . 546 - 547
Office Accessories . . . . . 575, 582
Offset Handles, Square Drive . . . . . 440, 444
Offset Pipe Wrenches . . . . . 478
Oil Cans . . . . . 355
Drainer . . . . . 357
Drip Trays . . . . . 356
Filter Removers . . . . . 238, 461
Measures . . . . . 353
Spill Control . . . . . 558, 561 - 568, 570 - 572
Oilers, Bottles . . . . . 355
Oilstones . . . . . 130 - 131, 488
Oleonix® . . . . . 573
Open Ended Spanners . . . . . 326, 415, 417, 425 - 427
Optical Equipment . . . . . 187
Orbital Sanders, Air . . . . . 148
Orbital Sanders, Electric . . . . . 148
O-Ring Fasteners . . . . . 541
Overalls . . . . . 683 - 684
Overshoes . . . . . 684
Oversleeves . . . . . 668, 684

## P

Packaging Materials . . . . . 581
Padlocks . . . . . 622 - 629
Padsaws . . . . . 348, 520
Paint & Plaster Mixers . . . . . 257
Brushes . . . . . 317, 592
Kettles . . . . . 319, 321
Pads . . . . . 320
Rollers . . . . . 320 - 322
Palette Knives . . . . . 316
Pallet Trucks . . . . . 644
Panel Beating Tools . . . . . 226
Panic Bolts . . . . . 621
Paper Towels & Wipes . . . . . 632
Paper, Wrapping . . . . . 579
Parallels, Steel . . . . . 189
Parts Storage . . . . . 484 - 485
PCL® . . . . . 133, 135 - 136
P-Clips . . . . . 536, 547 - 548

# P


Pedestal Drills . . . 153
Pens, Marker . . . 556
Petrol Cans . . . 243
Pick Axes . . . 291
Picks & Hooks, Engineers . . . 281
Pick-Up Tools . . . 281
Pick-Up Tools, Magnetic . . . 361 - 362
Pillar Drills . . . 153
Pin Chucks . . . 282
  Punches . . . 252, 275 - 276
  Spanners . . . 144, 430, 461
  Vices . . . 282
Pincers, Carpenters . . . 376
Pincers, O-Clip . . . 376
Pins, Clevis . . . 536
Pipe Bending Tools . . . 473
    Clips . . . 548
    Crimpers . . . 476
    Cutters . . . 474 - 475
    Deburrers . . . 475
    Flaring Tools . . . 476
    Vices . . . 477
    Wrenches . . . 414, 471, 478 - 479
Piston Ring Compressors . . . 232
Planishing Hammers . . . 299 - 300
Plaster & Paint Mixers . . . 257
Plasterers Bath . . . 257
Plasterers Trowels . . . 257
Plastering Tools . . . 257, 296, 596
Plastic Faced Hammers . . . 305 - 310
Plastic Tool Boxes . . . 494
Platform Trolleys . . . 644 - 645
Pliers, Balance Weight . . . 383
    Circlip . . . 375, 385
    Combination . . . 369, 381
    Crimping . . . 260 - 262
    Cutting . . . 379
    Diagonal Cutting . . . 381 - 383, 385
    Electronics . . . 374
    End Cutting . . . 371
    Fencing . . . 290, 376
    Flat Nose . . . 381
    Glow Plug . . . 249
    Hose Clip . . . 247 - 248
    Insulated . . . 330, 369, 516
    Linesmans . . . 369, 385
    Locking . . . 376 - 380
    Long Nose . . . 370, 377, 381
    Micro Nippers . . . 374, 384
    Miniature . . . 374, 384
    Oil Filter . . . 238
    Piston Ring . . . 232
    Revolving Punch . . . 376
    Sets . . . 384 - 386
    Sheet Metal . . . 385 - 386
    Snipe Nose . . . 370, 382
    Tile Cutting . . . 323, 383
    Toggle . . . 212
    Water Pump . . . 330, 373
    Wire Stripping . . . 264 - 265, 347, 372
    Wire Twisting . . . 376
Plumb Bobs . . . 258
Plunger Type, Dial Test Indicators . . . 164
Pneumatic Fittings . . . 135 - 137, 159
Pocket Knives . . . 345
Pocket Magnifiers . . . 171
Podger Spanners . . . 416
Polishers, Air . . . 148
Polishing Bonnets . . . 148, 157
      Mops . . . 127
      Rolls . . . 126
Polypropylene Sacks . . . 598
Polythene Packaging . . . 582
Pop Rivets . . . 536, 541
Pouches, Nail . . . 486 - 487
Power Tool Accessories . . . 157, 406
      Chisels . . . 159
      Tidy . . . 493
Precision Knives . . . 344 - 345
Presses, Hydraulic . . . 230
Propane & Butane Gas Equipment . . . 266 - 267
Protective Sleeving . . . 633
Pro-Torq® Pliers . . . 370 - 373, 381 - 382, 385
Pro-Torq® Screwdrivers . . . 392, 531
Protractors, Bevel . . . 173
Protractors, Digital . . . 178
Pry Bars . . . 252 - 253
PTFE Tapes . . . 640
Pullers, Hydraulic . . . 237, 241
Pullers, Mechanical . . . 227, 239 - 240
Pumps, Grease . . . 354 - 355, 357
    Lever . . . 354
    Oil & Fuel . . . 354
    Rotary . . . 354
    Syphon . . . 354
    Water . . . 154
Punches, Centre . . . 275
      Hole . . . 388, 476
      Hollow . . . 277
      Nail . . . 275
      Pin . . . 252, 275 - 276
      Taper . . . 276

Punners . . . . . 292
Push-On Fasteners. . . . . 541 - 542
Push/Pull Tapes . . . . . 337
Putty Knives . . . . . 315, 414

## Q

Q-Torq®. . . . . 364 - 366
Qualfast® . . . . . 539
Quick Change, Toolposts & Toolholders . . . . . 215
Quick Grip Clamps. . . . . 352

## R

Racking, Industrial . . . . . 195
Radius Gauges . . . . . 273
Rafters Squares . . . . . 525
Rakes, Asphalt . . . . . 291
Rakes, Garden . . . . . 286 - 287
Ram, Hydraulic . . . . . 230
Ratchet Handles, Square Drive . . . . . 411, 431, 433, 437 - 438
Spanners. . . . . 416, 421 - 424
Wrenches, Square Drive 431, 433, 437 - 438, 444 - 445
Rawhide Hammers. . . . . 306, 310
Reamers. . . . . 57 - 58
Refractometers. . . . . 187
Refuse Sacks . . . . . 296, 561, 598
Regulators, Flow. . . . . 136
Repair Kit, Auto Body . . . . . 227
Ratchets . . . . . 433, 437, 444
Threads. . . . . 543
Reusable Barrier Systems . . . . . 646
Revolving Centres . . . . . 220
Revolving Punch Pliers . . . . . 376
Riddle, Wire Mesh . . . . . 285
Riffler, Diemakers Files . . . . . 50
Rigger Gloves . . . . . 674 - 676
Ring Spanners. . . . . 326, 415 - 416, 423 - 424, 428
Ripper Cutters. . . . . 100
Rivet Nut Inserters . . . . . 391
Rivet Nuts . . . . . 536
Riveters, Air . . . . . 147
Lazy Tong . . . . . 390
Long Arm. . . . . 390
Riveting Tools . . . . . 390 - 391
Rivets, Pop. . . . . 536, 541
Road Measuring Wheels. . . . . 337
Rods, Drain . . . . . 471 - 472
Roller Cabinet Spares . . . . . 504
Roller Cabinets . . . . . 497 - 503, 509
Rollers, Paint . . . . . 320 - 322
Ropes, Towing. . . . . 243
Rotary Pumps . . . . . 354
Rubber Hammers . . . . . 309
Rucksacks . . . . . 490
Rule, Counter . . . . . 272
Rules, Steel . . . . . 271 - 272
Rust Paper. . . . . 579
Rust Preventatives . . . . . 642

## S

Sack Ties . . . . . 579
Sack Trucks . . . . . 644 - 645
Sacks, Polypropylene. . . . . 598
Safe Key Blanks . . . . . 504, 578
Safes, Security . . . . . 578
Safety Boots . . . . . 688 - 689
Eyewear. . . . . 659 - 660
Footwear. . . . . 689 - 690
Matting . . . . . 614 - 615, 617
Sanders, Air . . . . . 148
Sanders, Orbital, Electric . . . . . 148
Sanding Bands . . . . . 112
Belts . . . . . 111
Discs . . . . . 111, 113, 125
Drum Holders . . . . . 112
Sheets. . . . . 110
Sponges . . . . . 110
Sticks . . . . . 111
Sash Clamps . . . . . 352
Locks. . . . . 618
Tools . . . . . 318
Saw Blades, Tile . . . . . 53
Saw Horse . . . . . 521
Saws, Air . . . . . 145
Drywall . . . . . 520
Flush Cutting . . . . . 520
General Purpose . . . . . 520
Gents. . . . . 520
Hand . . . . . 348, 520
Pad . . . . . 348, 520
Plasterboard . . . . . 520
Tenon . . . . . 520
Scaffolding Spanners . . . . . 416
Scissor Jacks. . . . . 236
Scissors . . . . . 316, 324 - 325
Scissors, Household . . . . . 324
Scourers. . . . . 596
Scraper Blades . . . . . 314, 347
Scrapers. . . . . 292, 314 - 315, 323, 414, 522
Scrapers, Cabinet. . . . . 522
Engineers . . . . . 282
Floor . . . . . 292

Window . . . . . 315
Screw Drills, Carbide . . . . . 93
Extractors . . . . . 59
Fixings . . . . . 540
Gauges . . . . . 273
Holders Magnetic . . . . . 402 - 403
Screwdriver Bit Handles . . . . . 401
Bit Holders, Hex Drive . . . . . 402, 406
Bits . . . . . 401 - 407
Screwdrivers, Air . . . . . 139 - 140, 149
Hand . . . . . 392 - 401
Impact . . . . . 403
Insulated . . . . . 395, 398, 516
Offset . . . . . 401
Precision . . . . . 399 - 400
Ratchet . . . . . 401, 432
Torque . . . . . 364
Screws, Hex Head Set . . . . . 537
Machine . . . . . 538, 541
Self Tapping . . . . . 538, 540
Socket Head Button . . . . . 534
Socket Head Cap . . . . . 534
Socket Head Countersunk . . . . . 534, 537 - 538
Socket Set . . . . . 536 - 538
Wood . . . . . 538, 540
Scribers . . . . . 281
SDS-Plus Hammer Drill Bits . . . . . 56
Seal Puller Tools . . . . . 250
Sealant Guns . . . . . 555
Sealants . . . . . 640
Seam Rollers . . . . . 316
Secondary Containment Storage . . . . . 558 - 559, 561, 571
Security Mirrors . . . . . 578
Self Tapping Screws . . . . . 538, 540
Separators, Ball Joint . . . . . 242
Separators, Chain . . . . . 471
Service Cases . . . . . 485, 489, 491 - 492
Service Keys . . . . . 478
Service, Trolleys . . . . . 643
Sets, Centre Drill . . . . . 45, 88
Shank Adaptors . . . . . 206
Shavehooks . . . . . 315
Shear & Nibbler Accessories . . . . . 145
Shears & Nibblers, Air . . . . . 145
Shears & Snips . . . . . 264, 481 - 482
Sheet & Tube Drills . . . . . 25
Metal Nibblers . . . . . 482
Metal Tools . . . . . 360, 482
Shelves, Storage . . . . . 195
Shim, Steel . . . . . 196
Shoe Knives . . . . . 316
Shoes, Safety . . . . . 691
Shovels . . . . . 285, 287 - 289, 291, 414
Shovels, Hand . . . . . 594
Shovels, Snow . . . . . 292
Shrinkwrap Material . . . . . 582
SIP® . . . . . 153
Site Lights . . . . . 554
Sitesafe® . . . . . 675 - 676
Sledge Hammers . . . . . 302, 412
Sleeving, Protective . . . . . 633
Sliding Bevels . . . . . 525
Slogging Spanners . . . . . 415
Slot Drills . . . . . 89, 96 - 99
Snap Off Knives & Blades . . . . . 342 - 343
Snipe Nose Pliers . . . . . 370, 382
Snips & Shears . . . . . 264, 481 - 482
Snips, Metal Cutting . . . . . 481 - 482
Snow Shovels . . . . . 292
Soap & Hand Cleanser Dispensers . . . . . 574
Soaps, Hand . . . . . 574
Socket Accessories, Hand . . . . . 433, 436, 438
Button Head, Screws . . . . . 534
Head, Cap Screws . . . . . 534
Rails & Clips . . . . . 446
Screws, Button Head . . . . . 534
Screws, Cap Head . . . . . 534
Screws, Countersunk Head . . . . . 534, 537 - 538
Set Screws . . . . . 536 - 538
Sets . . . . . 447 - 459
Sets, Impact . . . . . 463, 466, 468, 470
Sockets & Accessories, Go-Through . . . . . 421
Impact, Square Drive . . . . . 410, 454, 462 - 470
Square Drive . . . . . 430 - 445, 466
Square Drive, Insulated . . . . . 327, 332
Soldering Tools . . . . . 266 - 267
Solid Centres . . . . . 220
Spades, Garden . . . . . 284
Spanners, Adjustable . . . . . 224 - 225, 414, 461
Adjustable, Insulated . . . . . 326, 331
Black . . . . . 415
Box . . . . . 416
C-Hook . . . . . 415, 430
Combination . . . . . 418 - 422, 460
Flared Nut Ring . . . . . 429
Open Ended . . . . . 326, 415, 417, 425 - 427
Pin . . . . . 144, 430, 461
Podger . . . . . 416
Ratchet . . . . . 416, 421 - 424
Ring . . . . . 326, 415 - 416, 423 - 424, 428
Scaffolding . . . . . 416
Slogging . . . . . 415
Torx Ring . . . . . 460

Spark Resistant Safety Tools . . . . . 408 - 414
Spectacles, Safety . . . . . 658 - 660
Speed Braces, Square Drive . . . . . 434, 439
Clamps. . . . . 351, 378, 380
Ratchets, Air . . . . . 150
Wrenches . . . . . 479
Spill Control, Oil & Chemical . . . . . 558, 561 - 568, 570 - 572
Spinner Handles, Square Drive . . . . . 430, 434
Spiral Flute Taps . . . . . 61, 101 - 103
Spiral Point Taps . . . . . 61, 101 - 103
Spire Clips . . . . . 542
Spirit Levels. . . . . 255 - 256, 518
Spirit Levels, Machinists . . . . . 187
Splicing Kit, Wire . . . . . 245
Splitters, Nut . . . . . 237
Sponge Mops . . . . . 594
Sponges, Cleaning . . . . . 597, 599
Spot Weld Removers. . . . . 228
Spotting Drills . . . . . 38, 88
Spotting Drills, Carbide. . . . . 95
Spray Cleaners, Foam. . . . . 573
Dispensers . . . . . 355
Gun Accessories . . . . . 134
Guns, Air. . . . . 134
Sprayers, Garden . . . . . 293 - 294
Spring Calipers . . . . . 270
Compressors. . . . . 232
Dividers . . . . . 270
Washers . . . . . 542
Squares, Engineers. . . . . 270
Rafters . . . . . 525
Toolmakers . . . . . 270
Try. . . . . 525
Squeegees . . . . . 596
Stands, Micrometer . . . . . 185
Staplers . . . . . 582
Static Workstations . . . . . 497
Steel Dowel Pins. . . . . 536, 544
Parallels . . . . . 189
Rules. . . . . 271 - 272
Shim . . . . . 196
Stencils. . . . . 389
Step Ladders. . . . . 601
Steps, Warehouse . . . . . 645
Stethoscope, Mechanics . . . . . 233
Stockinette . . . . . 597
Stopwatches . . . . . 169
Storage Bins . . . . . 193
Boxes, Cardboard . . . . . 575
CNC Tools . . . . . 92
Storage, Secondary Containment. . . . . 558 - 559, 561, 571
Storage Shelves . . . . . 195
Straight Flute Taps . . . . . 60, 62 - 63
Strap Wrenches . . . . . 461, 471
Strapping & Carton . . . . . 339, 346
Materials & Tools. . . . . 580 - 581
Tools . . . . . 580
Stretchwrap Film . . . . . 581
Stretchwrap Machines . . . . . 579
Strip, Feeler. . . . . 283
Stroke Counters, Mechanical. . . . . 169
Stub Drills . . . . . 94
Stud Extractors, Square Drive . . . . . 443
Suction Pads. . . . . 228
Surface Conditioning Abrasives . . . . . 113, 125, 155, 157
Surface Gauges . . . . . 281
Swedish Pipe Wrenches . . . . . 479
Swiss+Burr®. . . . . 77 - 80
Swiss+Tech® . . . . . 86 - 87
Swivel End Socket Wrenches. . . . . 460
Handles, 1/2" Drive. . . . . 411, 440
Handles, 3/8" Drive . . . . . 434
Handles, Square Drive. . . . . 431, 434, 440, 444
Syphon Pumps . . . . . 354

# T

Tabbies, Key Rings. . . . . 578
Tachometers. . . . . 170
Tackers, Hand. . . . . 582
Tacklifters . . . . . 523
Tagout & Lockout Systems. . . . . 626, 628, 630 - 631
Tags & Tickets. . . . . 634
Tally Counters, Hand. . . . . 169
Tan Vinyl Tapes . . . . . 639
Tap & Die Sets . . . . . 65
& Drill Sets, HSS . . . . . 30
Wrenches. . . . . 280
Tape Dispensers. . . . . 634, 642
Tape Measures . . . . . 336 - 337, 519
Taper Punches . . . . . 276
Taper Shank Drills . . . . . 37, 44
Tapes, Adhesive . . . . . 640 - 641
Aluminium foil . . . . . 641
Double Sided . . . . . 637 - 638, 642
Duct . . . . . 637 - 638, 641
Foam . . . . . 638
Gummed . . . . . 639, 642
Hazard Marking. . . . . 634
Industrial. . . . . 637, 639, 641 - 642
Insulation . . . . . 639, 641
Locking . . . . . 336
Long Measuring. . . . . 336 - 337
Lo-Tac. . . . . 640
Masking. . . . . 637
Packaging. . . . . 639 - 640, 642

PTFE . . . 640
Push/Pull . . . 337
Tan Vinyl . . . 639
Waterproof . . . 637 - 639, 641
Tapping Head Sets . . . 93
Taps, Drum . . . 356
Fluteless . . . 62, 102
Hand . . . 60 - 63
Hand, Left Hand . . . 63
Machine . . . 101 - 103
Spiral Flute . . . 61, 101 - 103
Spiral Point . . . 61, 101 - 103
Straight Flute . . . 60, 62 - 63
Tea Towels . . . 597
Telescopic Gauges . . . 277
Terry Clips . . . 548
T-Handles . . . 411
T-Handles, Square Drive . . . 431, 434, 439, 444 - 445
Thermometers . . . 168
Thickness Gauges . . . 174
Thor® . . . 305 - 310
Thread Repair Inserts . . . 543
Thread Restoring Files . . . 24, 65
Threading Heads . . . 477
Sets . . . 64 - 65
Toolholders . . . 67
Tickets & Tags . . . 634
Ties, Sack . . . 579
TIG Accessories . . . 586
Tile Cutting Machines . . . 323
Cutting Pliers . . . 323, 383
Saw Blades . . . 53
Saws . . . 348
Spacers . . . 323
Timing Lights . . . 229
Tinsnips . . . 481
Tips, Soldering . . . 266 - 267
Toggle Clamp Spares . . . 212
Clamps . . . 207 - 212
Pliers . . . 212
Tool Bags . . . 489 - 490
Belts . . . 486 - 487, 490
Boxes . . . 493 - 496
Boxes, Plastic . . . 494
Cabinet Spares . . . 504
Cabinets . . . 497 - 503, 509
Cases . . . 485, 489, 491 - 493, 495, 526, 528
Chests . . . 493 - 494, 497 - 503
Control, Drawers & Inserts . . . 495, 505 - 508
Holsters . . . 486 - 487, 496
Kits . . . 462, 493, 510 - 517
Organisers . . . 493, 503
Pouches . . . 486 - 487, 496
Rolls . . . 488
Trolleys . . . 503
Toolholders, Indexable . . . 68 - 73
Toolholders, Threading . . . 67
Toolmakers Clamps . . . 282
Square . . . 270
Vices . . . 213, 216
Toolposts & Toolholders, Quick Change . . . 215
Torches, Battery . . . 589 - 590
Torque Drivers . . . 364
Handles . . . 366
Multipliers . . . 366
Wrenches . . . 364 - 368
Torx Keys . . . 530 - 531
Torx Ring Spanners . . . 460
Towels & Wipes, Paper . . . 632
Towing Ropes . . . 243
Trainers, Safety . . . 688, 690
Transmission Jacks . . . 237
Trays, Magnetic . . . 362, 501
Trays, Oil Drip . . . 356
Trigger Spray Dispensers . . . 355
Trim Pin Removers . . . 226
Trimming Knives & Blades . . . 339 - 341, 347
Tripod Lights . . . 554
Trolley Jacks . . . 234 - 235
Trolleys, Laundry . . . 644
Platform . . . 644 - 645
Service . . . 643
Tool . . . 503
Trowels, Adhesive . . . 257
Builders . . . 258
Plasterers . . . 257
Trucks, Sack . . . 644 - 645
Trucks, Turntable . . . 645
Try Squares . . . 525
T-Slot Clamping Sets . . . 198
T-Type Socket Wrenches . . . 461
Tube Cutters . . . 474 - 475
Tubs, Multi Purpose . . . 296
Tubular, Micrometers, Internal . . . 186
Tuffsafe® . . . 676
Turning Inserts, Indexable . . . 82 - 85
Turning Toolholders . . . 68 - 73
Turntable Trucks . . . 645
Tweezers, Engineers . . . 272
Tweezers, Insulated . . . 332
Tyre Tools . . . 135, 244


## U


Universal Joints, 3/8" Drive . . . 430
Universal Joints, Square Drive . . . 411

# V


Vacuum Lifters . . . . . 228
Vacuum Testers . . . . . 247
Valve Tools . . . . . 232
Vee Blocks, Cast Iron . . . . . 188
Vernier Calipers . . . . . 176
Vice Jaws . . . . . 213, 480
Vices, Drill Press . . . . . 213, 216
- Engineers . . . . . 214, 216, 389
- Machine . . . . . 213, 216
- Multi-Angle . . . . . 267
- Multi-Purpose . . . . . 214
- Pin . . . . . 282
- Pipe . . . . . 477
- Toolmakers . . . . . 213, 216
- Workshop . . . . . 214

Voltage Detectors . . . . . 269


# W


Waistcoats, Hi-Visibility . . . . . 681
Wall Plugs . . . . . 540
Warning Triangle . . . . . 243
Washers, Brass . . . . . 539
- BZP . . . . . 542
- Copper . . . . . 542
- Fibre . . . . . 541
- Lock . . . . . 541
- Spring . . . . . 542
- Steel . . . . . 539, 542

Waste Bins . . . . . 561, 598
Waste Disposal Bags . . . . . 296, 561, 598
Watches, Stop . . . . . 169
Water Hose Fittings . . . . . 294 - 295
- Hoses . . . . . 132, 295
- Pump Pliers . . . . . 373
- Pumps, Submersible . . . . . 154
- Separators . . . . . 137, 158

Watering Cans . . . . . 295
Waterproof Tapes . . . . . 637 - 639, 641
Welding & Cutting, Gas . . . . . 584 - 585
- Accessories . . . . . 585 - 586
- Chipping Hammers . . . . . 300
- Consumables . . . . . 585
- Curtains . . . . . 588
- Cutting Nozzles . . . . . 585
- Electrodes . . . . . 587 - 588
- Face Shields . . . . . 661
- Gas Regulators . . . . . 584
- Gauntlets . . . . . 673
- Helmets . . . . . 661
- Lenses . . . . . 661
- Nozzles . . . . . 585
- Workwear . . . . . 661

Wheel Dressers, Diamond . . . . . 221
- Dressers, Huntington . . . . . 221
- Wrenches . . . . . 243

Wheelie Bins . . . . . 571
Wheels, Castor . . . . . 603 - 612
Wheels, Wire . . . . . 160 - 161
Wiggler Sets . . . . . 278
Window Scrapers . . . . . 315
Window Washers . . . . . 596
Windscreen Repair Tools . . . . . 228
Wipes, Industrial . . . . . 599 - 600
Wipes, Workshop . . . . . 532, 599
Wire Brushes, Brass . . . . . 160 - 161
- Brushes, Stainless . . . . . 591
- Cutters . . . . . 372
- Gauges . . . . . 273
- Strippers . . . . . 264 - 265, 347, 372
- Twisting Pliers . . . . . 376
- Wheels . . . . . 160 - 161

Wood Chisels . . . . . 522 - 523
Wood Screws . . . . . 538, 540
Work Benches & Cabinets . . . . . 194
- Holding Fixture Components . . . . . 199 - 205
- Lights . . . . . 554, 589 - 590

Workshop Vices . . . . . 214
Workstations, Static . . . . . 497
Workwear, Hi-Visibility . . . . . 681
Wrapping Paper . . . . . 579
Wrecking Bars . . . . . 253, 414
Wrenches, Adjustable . . . . . 224 - 225, 414, 461
- Adjustable C-Hook . . . . . 430
- Basin . . . . . 479
- Chain . . . . . 461
- Crowfoot . . . . . 427
- Heavy Duty Pipe . . . . . 478 - 479
- Hexagon . . . . . 526 - 530
- Oil Filter . . . . . 238, 461
- Pipe . . . . . 414, 471, 478 - 479
- Ratchet, Square Drive 431, 433, 437 - 438, 444 - 445
- Slogging . . . . . 415
- Speed . . . . . 479
- Strap . . . . . 461, 471
- Swivel End Socket . . . . . 460
- Tap . . . . . 280
- Torque . . . . . 364 - 368
- Torx . . . . . 530 - 531
- T-Type . . . . . 461
- Wheel . . . . . 243


# Z


Z-Barrier® . . . . . 646
Zipcut Spot Weld Remover . . . . . 228

# Cutting Tools

Keeping Industry Working™

Product Groups

# 010 - 185

# Contents

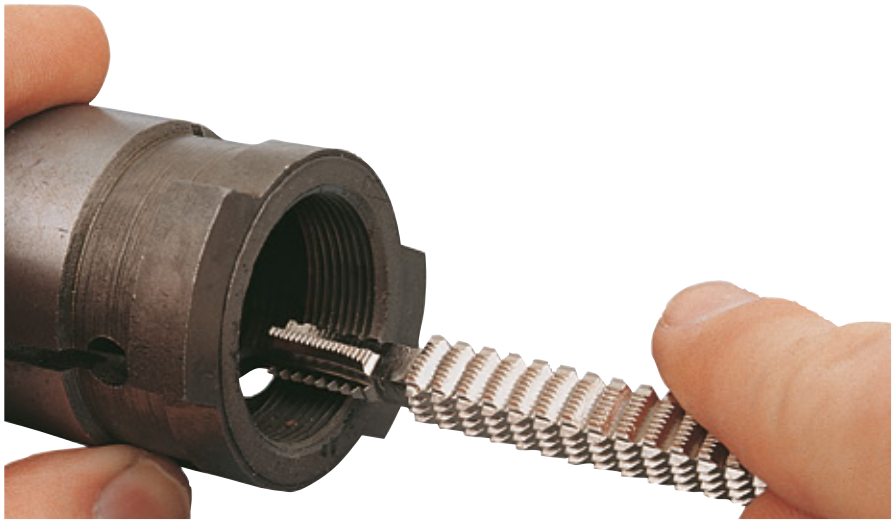

| Description | Group | Page |
|---|---|---|
| **DEBURRING** | | |
| Hand Deburring Tools | 109 | **77 - 80** |
| **FILING** | | |
| Engineer's Files | 30 | **46 - 48** |
| Needle Files | 31 | **49 - 50** |
| Milled Tooth Files | 32 | **51** |
| Rasps | 32 | **51** |
| Diamond Files | 33 | **52** |
| **HOLE MAKING** | | |
| Blacksmith's Drills | 025 | **38** |
| Centre Drills | 025 | **29, 39, 88, 95** |
| Counterbores | 021 | **29** |
| Countersinks | 020 | **26 - 28** |
| Drill Sets | 025 | **30, 35, 39 - 40** |
| Extra Long Drills | 025 | **29, 40** |
| Jobber Drills | 025/125 | **30, 33 - 35, 40, 41, 44, 45, 86, 87, 94, 95** |
| Long Series Drills | 025 | **36, 40, 87** |
| Micro Drills | 026 | **45** |
| Reamers | 065 | **57 - 58** |
| Sheet & Tube Drills | 019 | **25** |
| Spotting Drills | 025/125 | **38, 88** |
| Step Drills | 019 | **25** |
| Stub Drills | 158 | **94** |
| Taper Shank Drills | 025 | **37, 44** |

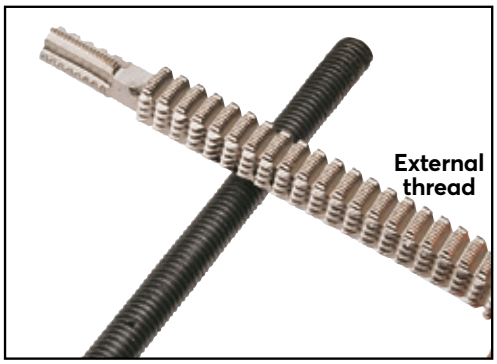
| Description | Group | Page |
|---|---|---|
| **MILLING** | | |
| Die & Mould Shanks | 165 | **99 - 100** |
| Indexable | 139 | **81, 90 - 91** |
| Plain Shank | 161 | **96 - 98** |
| Threaded Shank | 163 | **99** |
| Weldon Shank | 061/161/163 | **56, 98** |
| **THREADING** | | |
| HSS Taps & Dies | 085/086 | **60 - 66** |
| Indexable Threading | 106 | **67** |
| Production Taps | 085 | **60 - 65** |
| Tapping Head Sets | 144 | **93** |
| Threading Sets | 086 | **64 - 65** |
| **TURNING & LATHE TOOLS** | | |
| Boring Bars | 106 | **74 - 76** |
| Butt Welded Tools | 010 | **24** |
| Inserts - ISO Turning | 120 | **82 - 85** |
| Toolholders | 106 | **68 - 73** |
| **SAWING** | | |
| Powersaw Blades | 040 | **53** |
| Hacksaw Blades | 040 | **53** |
| Holesaws | 040 | **54 - 55** |
| **WORKHOLDING** | | |
| Spindle Nose Tooling | 144 | **92** |

# RESTORING FILES

## Thread Restoring Files

Restore internal and external threads by filing, where the use of taps and dies are impractical. The restorer file overlaps several good threads and files the damaged ones. Restore right and left hand, internal and external threads. Long lasting, fast cutting teeth. Thread restoring files are available in ISO, Whit/BSF, UNF/UNC and BSP thread types.






| Thread Type | Range | Order Code **SHR-017** |
|---|---|---|
| ISO | .80 to 3mm | **-9020C** |
| Whit/BSF | 10 tpi to 24 tpi | **-9001A** |
| UNF/UNC | 11 tpi to 24 tpi | **-9010B** |
| BSP | 11 tpi to 28 tpi | **-9030D** |

SENATOR® QUALITY TOOLING

**Built to Perform. Designed to Last.**

**Engineered to excel and crafted to endure, tool after tool. Includes an extensive range of products from Tool Kits and Socket Sets to Hammers and Tool Chests.**

## Butt Welded Tools

**See our range**

**Scan the QR code**

## HSS Multi-Diameter Step Drills

HSS

Using either a bench drill or light pedestal drilling machine. For material up to 1/8" (3mm) thick.

| Size | Range | Number of Steps | Order Code **SHR-019** |
|---|---|---|---|
| 0/5 | 4 - 12mm | 5 | **-0500K** |
| 0/9 | 4 - 12mm | 9 | **-0509K** |
| 1 | 4 - 20mm | 9 | **-0510K** |
| 1 | 4 - 30mm | 11 | **-0520K** |
| 3 | 6 - 38mm | 12 | **-0530K** |
| 5 | 4 - 39mm | 14 | **-0560K** |
| 10 | 6 - 37mm | 11 | **-0600K** |

## HSS Sheet Metal Step Drill Set

HSS

Manufactured from high speed steel, resulting in long tool life and extra durability. The drills are capable of producing or enlarging holes in sheet metals without the need for centre punch or pilot holes use with power tools or pedestal drilling machines.

**Sizes include:**
4 - 12mm (9 step, 6mm shank),
4 - 20mm (9 step, 8mm shank)
and 4 - 30mm (14 step, 10mm shank).

3 PIECES

| Number of Pieces | Range | Weight | Order Code **SHR-019** |
|---|---|---|---|
| 3 | 4 - 30mm | 275g | **-0260K** |

## HSS Taper Sheet & Tube Drills

HSS

Produces clean holes in sheet metal and other thin walled materials. No pre-drilled pilot hole diameter of the hole is variable. Required range of each drill, according to depth of feed.

| Range | Shank Dia (mm) | Overall Length | Weight each | Order Code **SHR-019** |
|---|---|---|---|---|
| 3 - 14mm | 6 | 57 | 30g | **-1100K** |
| 8 - 20mm | 8 | 66 | 60g | **-1110K** |
| 16 - 30mm | 9 | 74 | 140g | **-1120K** |
| 26-40mm | 9 | 85 | 300g | **-1130K** |

# COUNTERSINKS

## High Performance Countersinks

HSS-Co 5%

A chatter-free cutter giving an excellent burr-free finish. Capable of deburring and countersinking in one stroke with no 'back-off' of tool. Also free countersinking of aluminium with no secondary bulge.
For special applications and exotic materials, a choice of hard coatings is available.

| Cutting Diameter | Shank (mm) | Length (mm) | 60° Countersink Order Code SHR-020 | 90° Countersink Order Code SHR-020 | 100° Countersink Order Code SHR-020 |
|---|---|---|---|---|---|
| 6.3mm | 5 | 45 | -5950K | - | -5450K |
| 8.3mm | 6 | 46 | -6000K | -5000K | -5500K |
| 10.4mm | 6 | 47 | -6050K | -5050K | -5550K |
| 12.4mm | 8 | 58 | -6100K | -5100K | -5600K |
| 16.5mm | 8 | 60 | -6150K | -5150K | -5650K |
| 20.5mm | 10 | 65 | -6200K | -5200K | -5700K |
| 25.0mm | 10 | 69 | -6300K | -5250K | -5750K |

## Countersink Set - 60°

HSS-Co 5%

**5 Piece Set**
**High Performance Multi Flute**
Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank, ground flute 60° angle. Manufactured to **BS328 : Part 5 : 1983.**
**Sizes:** 6, 8, 10, 12.5 and 16mm.

5 PIECES

Order Code SHR-020: **-8150A**

## Countersink Set - 90°

HSS-Co 5%

**6 Piece Set**
**High Performance Multi Flute**
Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank, ground flute 90° angle.
Manufactured to **BS328 : Part 5 : 1983.**
Inclusive angle 90°.
**Sizes:** 8, 10, 12.5, 16, 20 and 25mm.

6 PIECES

Order Code SHR-020: **-9010A**

## Countersink Set - 100°

HSS-Co 5%

**5 Piece Set**
**High Performance Multi Flute**
Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank, ground flute 100° angle.
Manufactured to **BS328 : Part 5 : 1983.**
Inclusive angle 100°.
**Sizes:** 6, 8, 10, 12.5 and 16mm.

5 PIECES

Order Code SHR-020: **-9130A**

## 82° Countersinks

**3 Flute - Straight Shank**

HSS-Co 5%

Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics. Manufactured to **BS 328 : Part 5 : 1983**. Inclusive angle 82°.

| Cutting Diameter | Shank Diameter | Order Code SHR-020 |
|---|---|---|
| 8.5mm | 8mm | -7090K |
| 10.0mm | 8mm | -7100K |
| 12.5mm | 8mm | -7120K |
| 16.0mm | 10mm | -7160K |
| 20.0mm | 10mm | -7200K |
| 25.0mm | 10mm | -7250K |

## 3 Flute - Straight Shank

**90° Heavy Duty**

HSS-Co 5%

Manufactured from HSS-E cobalt steel for deburring and chamfering of most metals and plastics. Manufactured to **BS 328 : Part 5 : 1983**.

| Cutting Diameter | Shank Diameter | Order Code SHR-020 |
|---|---|---|
| 8.0mm | 8mm | -0790K |
| 10.0mm | 8mm | -0890K |
| 12.5mm | 8mm | -0990K |
| 16.0mm | 10mm | -1090K |
| 20.0mm | 10mm | -1110K |
| 25.0mm | 10mm | -1130K |

## 90° Countersinks

General purpose chamfering/deburring and countersinking tool. bright finish, 3 flute, ground all over. Made to **DIN 335**.

| Cutting Dia. | Shank (mm) | Order Code SHR-020 |
|---|---|---|
| 6.0mm | 5 | -3060E |
| 6.3mm | 5 | -3063J |
| 8.3mm | 6 | -3083J |
| 13.4mm | 8 | -3134Q |
| 15.0mm | 10 | -3150G |
| 19.0mm | 10 | -3190T |
| 23.0mm | 10 | -3223G |
| 30.0mm | 12 | -3230R |

**5 Piece Set Contents:**
6.30, 8.30, 13.40, 15.00 and 19.00mm.

Order Code SHR-020: **-9260K**

## 3 Flute Piloted Countersinks

HSS-Co 5%

For the production of high precision concentrically centred countersinks in most metals where pilot holes have been pre-drilled.
Shank diameter: 3/16".

| Diameter | Inc. Angle | Body Dia. | Overall Length | Order Code SHR-020 |
|---|---|---|---|---|
| 3/32" | 100° | 3/16" | 21/2" | -5050D |
| 3/32" | 120° | 3/16" | 21/2" | -5054H |
| 1/8" | 100° | 1/4" | 21/2" | -5051E |
| 1/8" | 120° | 1/4" | 21/2" | -5055J |
| 5/32" | 100° | 5/16" | 21/2" | -5052F |
| 3/16" | 100° | 3/8" | 21/2" | -5053G |
| 3/16" | 120° | 3/8" | 21/2" | -5056K |
| 3/32" | 100° | .190 | 21/2" | -5057L |
| 1/8" | 100° | .252 | 21/2" | -5058M |
| 5/32" | 100° | .340 | 21/2" | -5059N |
| 3/16" | 100° | .405 | 21/2" | -5060P |
| 1/4" | 100° | .530 | 21/2" | -5061Q |

## Single Flute Countersinks

HSS

A quality range of single flute countersinking bits available in nine individual sizes and as a five piece set for use in the deburring and chamfering of most metals and plastics. Manufactured from high speed steel for durability and performance. Inclusive angle 90°.

| Size | Shank Diameter | Order Code SHR-020 |
|---|---|---|
| 5 Piece Set | 1/4",3/8",1/2",3/4" & 1" | -9250K |

## Single Hole Countersinks

HSS-Co 5%

Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank. Manufactured to **BS328 : Part 5 : 1983**. Inclusive angle 90°.

| Cutting Range | Shank Diameter | Overall Length | Order Code SHR-020 |
|---|---|---|---|
| 2 - 5mm | 6 | 32.0 | -2090K |
| 5 - 10mm | 8 | 30.5 | -2100K |
| 10 - 15mm | 10 | 37.5 | -2150K |
| 15 - 20mm | 12 | 48.0 | -2200K |
| 20 - 25mm | 15 | 56.5 | -2250K |
| 25 - 30mm | 15 | 55.0 | -2300K |

## Multi Flute - Straight Shank

**Rose Pattern**
Inclusive angle 90°.
**Overall length:** 52mm.

HSS-Co 5%

| Cutting Diameter | Shank Diameter | Order Code SHR-020 |
|---|---|---|
| 9.5mm | 4.8mm | -2040K |
| 12.7mm | 4.8mm | -2060K |
| 15.8mm | 6.3mm | -2080K |

## Multi Flute - Straight Shank

**Heavy Duty**
Inclusive angle 90°.
**Overall length:** 40mm.

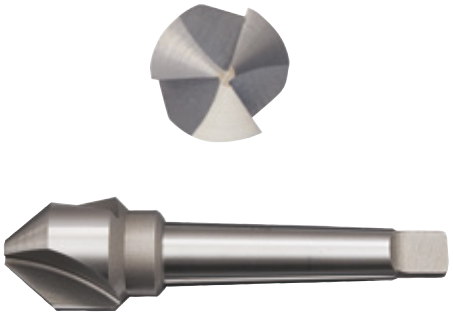
HSS-Co 5%

| Cutting Diameter | Shank Diameter | Order Code SHR-020 |
|---|---|---|
| 12.7mm | 6.3mm | -2000K |

## 3 Flute - Taper Shank

Inclusive angle 90°.

HSS-Co 5%



| Cutting Diameter | Shank Diameter | Order Code SHR-020 |
|---|---|---|
| 16.0mm | 1MT | -1550K |
| 25.0mm | 2MT | -1590K |
| 31.5mm | 2MT | -1690K |
| 40.0mm | 3MT | -1790K |
| 50.0mm | 3MT | -1890K |
| 63.0mm | 4MT | -1920K |

## Countersink Set

HSS-Co 5%

**6 Piece Set**
Straight shank, ground flute 90° angle.
**Sizes:** 2 - 5mm, 5 - 10mm, 10 - 15mm, 15 - 20mm, 20 - 25mm and 25 - 30mm.

6 PIECES

| Number of Pieces | Order Code SHR-020 |
|---|---|
| 6 | -9020B |

## TiN Coated Countersink Set - 90°

HSS-Co 5%

TiN

**6 Piece Set**
**High Performance Multi Flute**
Manufactured from HSS-E cobalt for deburring and chamfering. Straight shank, ground flute 90° angle. Manufactured to **BS328 : Part 5 : 1983.** Inclusive angle 90°.
**Sizes:** 6, 8, 10, 12.5, 16 and 20mm.

6 PIECES

| Number of Pieces | Inclusive Angle | Order Code SHR-020 |
|---|---|---|
| 6 | 90° | -8990Y |

## Countersinks

Scan the QR code

# COUNTERSINKS

## KENNEDY HSS-E Co 5% Countersinks Single Hole

HSS-Co 5%

Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics. Straight shank.
Manufactured to **BS328 : Part 5 : 1983**. Inclusive angle 90°.

| Cutting Range (mm) | Shank Dia. (mm) | Overall Length (mm) | Weight each | Order Code KEN-020 |
|---|---|---|---|---|
| 2 - 5 | 6 | 32.0 | 15g | **-2090K** |
| 5 - 10 | 8 | 30.5 | 25g | **-2100K** |
| 10 - 15 | 10 | 37.5 | 25g | **-2150K** |
| 15 - 20 | 12 | 48.0 | 110g | **-2200K** |
| 20 - 25 | 15 | 56.5 | 225g | **-2250K** |

## KENNEDY HSS-Co 5% Multi Flute Straight Shank

HSS-Co 5%

**Heavy Duty**
Inclusive angle 90°. **Overall length:** 40mm.

| Cutting Diameter | Shank Diameter | Order Code KEN-020 |
|---|---|---|
| 12.7mm | 6.3mm | **-2000K** |

## KENNEDY HSS-Co 5% Countersink Set 90°

HSS-Co 5%

**6 Piece Set**
Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics.
Straight shank, ground flute 90 angle.
Manufactured to **BS328 : Part 5 : 1983**.

**Sizes:** 8, 10, 12.5, 16, 20 and 25mm.

6 PIECES

| Weight | Order Code KEN-020 |
|---|---|
| 620g | **-1160K** |

## KENNEDY HSS-Co 5% Multi Flute Straight Shank

HSS-Co 5%

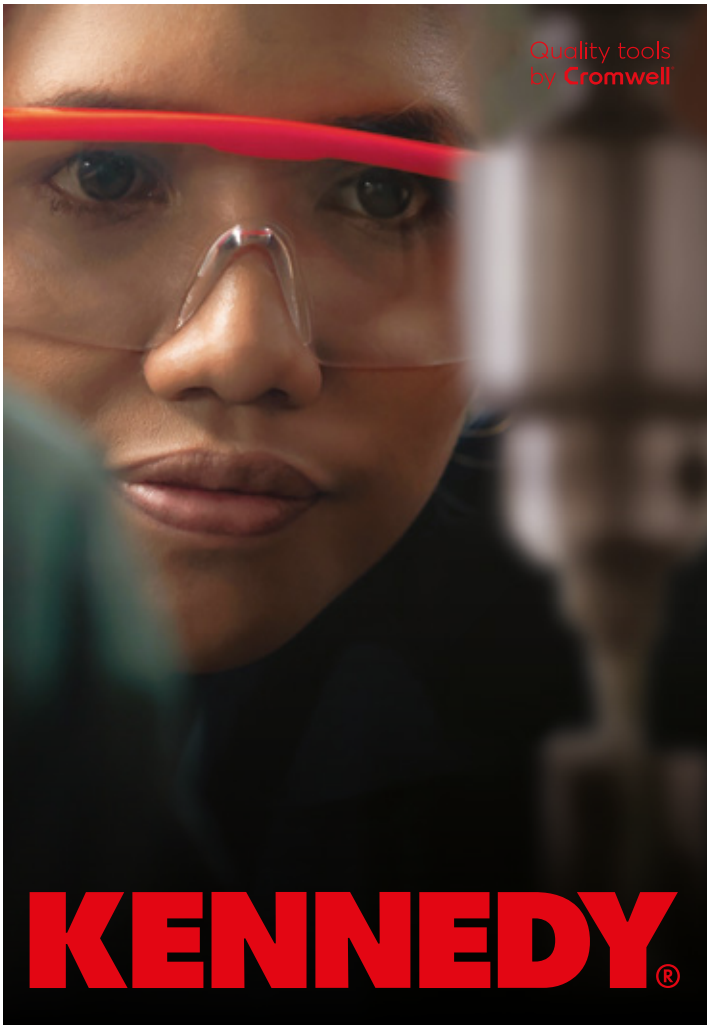
**Rose Pattern**
Inclusiv angle 90°.
**Overall length:** 52mm.

| Cutting Diameter | Shank Diameter | Order Code KEN-020 |
|---|---|---|
| 9.5mm | 4.8mm | **-2040K** |
| 12.7mm | 4.8mm | **-2060K** |
| 15.8mm | 6.3mm | **-2080K** |

## KENNEDY HSS-Co 5% Countersinks

**3 Flute - Straight Shank**
Manufactured from M35 HSS and used for the deburring and chamfering of most metals and plastics.
Manufactured to **BS 328 : Part 5 : 1983**.
Inclusive angle 90°.

| Cutting Diameter | Shank Diameter | Order Code KEN-020 |
|---|---|---|
| 8.0mm | 8mm | **-0790K** |
| 10.0mm | 8mm | **-0890K** |
| 12.5mm | 8mm | **-0990K** |
| 16.0mm | 10mm | **-1090K** |
| 20.0mm | 10mm | **-1110K** |
| 25.0mm | 10mm | **-1130K** |



SHERWOOD QUALITY CUTTING TOOLS **HSS**

## Plain Shank 7 Piece Set

Manufactured to manufacturers standard.
**Sizes:** M3, M4, M5, M6, M8, M10, M12.

| Number of Pieces | Order Code SHR-021 |
|---|---|
| 7 | -9010A |

SHERWOOD QUALITY CUTTING TOOLS

## HSS Extra Long Drills - Steam Tempered

General-purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **BS 328 : Part 1 : 1986**.

**Series E100 - Metric**

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-024 |
|---|---|---|---|
| 1.50 | 80.0 | 125.0 | -2092C |
| 2.00 | 100.0 | 160.0 | -2095F |
| 2.50 | 80.0 | 125.0 | -2097H |
| 2.50 | 100.0 | 160.0 | -2098J |
| 2.50 | 80.0 | 125.0 | -2098L |
| 3.00 | 100.0 | 160.0 | -2099K |
| 3.00 | 150.0 | 200.0 | -2100L |
| 3.00 | 200.0 | 250.0 | -2101M |
| 3.30 | 100.0 | 160.0 | -2102N |
| 3.30 | 150.0 | 200.0 | -2102Q |
| 3.50 | 100.0 | 160.0 | -2103P |
| 3.50 | 150.0 | 200.0 | -2104Q |
| 3.50 | 200.0 | 250.0 | -2105R |
| 4.00 | 100.0 | 160.0 | -2107T |
| 4.00 | 150.0 | 200.0 | -2108V |
| 4.00 | 200.0 | 250.0 | -2109W |
| 4.00 | 250.0 | 315.0 | -2110X |
| 4.50 | 100.0 | 160.0 | -2111Y |
| 4.50 | 150.0 | 200.0 | -2112N |
| 4.50 | 200.0 | 250.0 | -2113A |
| 5.00 | 100.0 | 160.0 | -2115C |
| 5.00 | 150.0 | 200.0 | -2116D |
| 5.00 | 200.0 | 250.0 | -2117E |

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-024 |
|---|---|---|---|
| 5.00 | 250.0 | 315.0 | -2118F |
| 5.00 | 300.0 | 400.0 | -2119G |
| 5.50 | 150.0 | 200.0 | -2120H |
| 5.50 | 200.0 | 250.0 | -2121J |
| 6.00 | 150.0 | 400.0 | -2123L |
| 6.00 | 200.0 | 200.0 | -2124M |
| 6.00 | 250.0 | 250.0 | -2125N |
| 6.00 | 300.0 | 200.0 | -2126P |
| 6.50 | 150.0 | 250.0 | -2127Q |
| 6.50 | 200.0 | 315.0 | -2128R |
| 6.50 | 250.0 | 315.0 | -2129S |
| 7.00 | 150.0 | 200.0 | -2130T |
| 7.00 | 200.0 | 250.0 | -2131V |
| 7.00 | 250.0 | 315.0 | -2132W |
| 7.50 | 200.0 | 250.0 | -2133X |
| 7.50 | 200.0 | 250.0 | -2134Y |
| 7.50 | 250.0 | 315.0 | -2135N |
| 8.00 | 200.0 | 250.0 | -2136A |
| 8.00 | 250.0 | 315.0 | -2137B |
| 8.00 | 300.0 | 400.0 | -2138C |
| 8.50 | 200.0 | 250.0 | -2139D |
| 8.50 | 250.0 | 315.0 | -2140E |
| 9.00 | 200.0 | 250.0 | -2141F |

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-024 |
|---|---|---|---|
| 9.00 | 250.0 | 315.0 | -2142G |
| 9.00 | 300.0 | 400.0 | -2143H |
| 9.50 | 200.0 | 250.0 | -2144J |
| 9.50 | 250.0 | 315.0 | -2145K |
| 10.00 | 200.0 | 250.0 | -2146L |
| 10.00 | 250.0 | 315.0 | -2147M |
| 10.00 | 300.0 | 400.0 | -2148N |
| 10.50 | 200.0 | 250.0 | -2149P |
| 10.50 | 250.0 | 315.0 | -2150Q |
| 11.00 | 200.0 | 250.0 | -2152S |
| 11.00 | 250.0 | 315.0 | -2153T |
| 11.00 | 300.0 | 400 | -2154V |
| 12.00 | 200.0 | 250.0 | -2155W |
| 12.00 | 250.0 | 315.0 | -2156X |
| 12.00 | 300.0 | 400.0 | -2157Y |
| 13.00 | 250.0 | 315.0 | -2158N |
| 13.00 | 300.0 | 400.0 | -2159A |
| 14.00 | 250.0 | 315.0 | -2160B |
| 14.00 | 300.0 | 400.0 | -2161C |

SHERWOOD QUALITY CUTTING TOOLS

## Solid Spiral Counterbores Plain Shank

**HSS**

Medium duty. Manufactured to **BS 328 : Part 5 : 1983.**
**Plain Shank**

**Metric**

| Bolt Size | Pilot Dia. | Cutter Dia. | Overall Length | Order Code SHR-021 |
|---|---|---|---|---|
| 3mm | 3.4 | 6.0 | 65.0 | -3520K |
| 4mm | 4.5 | 8.0 | 65.0 | -3560K |
| 5mm | 5.5 | 10.0 | 70.0 | -3580K |
| 6mm | 6.4 | 11.0 | 76.0 | -3600K |
| 8mm | 9.0 | 15.0 | 87.3 | -3620K |
| 10mm | 11.0 | 18.0 | 89.0 | -3640K |
| 12mm | 14.0 | 20.0 | 108.0 | -3660K |
| 16mm | 17.0 | 26.0 | 125.0 | -3700K |

SHERWOOD QUALITY CUTTING TOOLS

## HSS Extra Length Centre Drills

**HSS**

Ground flute, for drilling centre holes on components prior to machining. Extra length drills particularly useful for drilling centre holes in recesses.
Manufactured to **BS 328 : Part 1 : 1986, DIN333A : ISO 86, ISO2540, ISO2541.**

**Metric Series**

| Diameter (mm) Body | Diameter (mm) Point | Overall Length | Order Code SHR-024 |
|---|---|---|---|
| 4.00 | 1.00 | 120 | -1866H |
| 5.00 | 1.60 | 120 | -1866K |
| 6.00 | 2.00 | 120 | -1866N |
| 8.00 | 2.50 | 120 | -1866R |
| 10.00 | 3.15 | 120 | -1866W |
| 12.50 | 5.00 | 120 | -1866X |

## Solid Counterbores

See our range

Scan the QR code

## Centre Drills

See our range

Scan the QR code

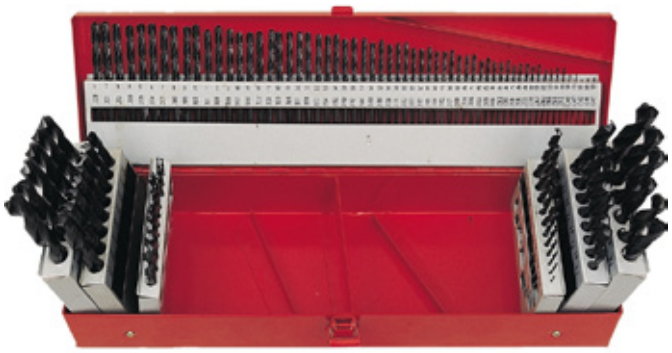
# DRILL SETS

## HSS Ground Flute Jobber Drill Sets

Industrial quality. Ground flute, blue finish. Supplied in indexing metal cases. Manufactured to **BS 328 : Part 1 : 1986, DIN 338N & ANSI B94 - 11M**.

114 PIECES

| x 1/64" | x 0.5mm | GAUGE |
|---|---|---|
| 1/16" ~ 1/2" | 1.0 ~ 13.0 | No.1 to 60 Inclusive |



| | | |
|---|---|---|
| 1/16" | 7/32" | 3/8" |
| 5/64" | 15/64" | 25/64" |
| 3/32" | 1/4" | 13/32" |
| 7/64" | 17/64" | 27/64" |
| 1/8" | 9/32" | 7/16" |
| 9/64" | 19/64" | 29/64" |
| 5/32" | 5/16" | 15/32" |
| 11/64" | 21/64" | 31/64" |
| 3/16" | 11/32" | 1/2" |
| 13/64" | 23/64" | |

| (mm) | | | |
|---|---|---|---|
| 1.0 | 4.0 | 7.5 | 11.0 |
| 1.5 | 5.0 | 8.0 | 11.5 |
| 2.0 | 5.5 | 8.5 | 12.0 |
| 2.5 | 6.0 | 9.0 | 12.5 |
| 3.0 | 6.5 | 9.5 | 13.0 |
| 3.5 | 7.0 | 10.0 | |
| | | 10.5 | |

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 114 | -8920K |

## HSS Jobber Drill Sets

Industrial quality. Ground flute, blue finish. Supplied in indexing metal cases. Manufactured to **BS 328 : Part 1 DIN 338N & ANSI B94 - 11M**.

51 PIECES

x 0.1mm
1.0 ~ 6.0

| (mm) | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1.0 | 1.6 | 2.3 | 3.0 | 3.7 | 4.4 | 5.1 | 5.8 |
| 1.1 | 1.7 | 2.4 | 3.1 | 3.8 | 4.5 | 5.2 | 5.9 |
| 1.2 | 1.8 | 2.5 | 3.2 | 3.9 | 4.6 | 5.3 | 6.0 |
| 1.3 | 1.9 | 2.6 | 3.3 | 4.0 | 4.7 | 5.4 | |
| 1.4 | 2.0 | 2.7 | 3.4 | 4.1 | 4.8 | 5.5 | |
| 1.5 | 2.1 | 2.8 | 3.5 | 4.2 | 4.9 | 5.6 | |
| | 2.2 | 2.9 | 3.6 | 4.3 | 5.0 | 5.7 | |

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 51 | -8380K |

19 PIECES

x 0.5mm
1.0 ~ 10.0

| (mm) | | | | | | |
|---|---|---|---|---|---|---|
| 1.0 | 2.0 | 3.5 | 5.0 | 6.5 | 8.0 | 9.5 |
| 1.5 | 2.5 | 4.0 | 5.5 | 7.0 | 8.5 | 10.0 |
| | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | |

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 19 | -8460K |

41 PIECES

x 0.1mm
6.0 ~ 10.0

| (mm) | | | | | | |
|---|---|---|---|---|---|---|
| 6.0 | 6.5 | 7.1 | 7.7 | 8.3 | 8.9 | 9.5 |
| 6.1 | 6.6 | 7.2 | 7.8 | 8.4 | 9.0 | 9.6 |
| 6.2 | 6.7 | 7.3 | 7.9 | 8.5 | 9.1 | 9.7 |
| 6.3 | 6.8 | 7.4 | 8.0 | 8.6 | 9.2 | 9.8 |
| 6.4 | 6.9 | 7.5 | 8.1 | 8.7 | 9.3 | 9.9 |
| | 7.0 | 7.6 | 8.2 | 8.8 | 9.4 | 10.0 |

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 41 | -8420K |

## HSS Tap & Drill Sets

Industrial quality. Ground flute, blue finish. Supplied in indexing metal case. Manufactured to **DIN 338N**.

**28 Piece Set Contents (mm):**
**Taps:** (taper, second and bottom):M3, M4, M5, M6, M8, M10, M12.
**Drills:** 2.5, 3.3, 4.2, 5.0, 6.8, 8.5, 10.2mm.

28 PIECES

METRIC
HSS
x 0.7mm
2.5 ~ 10.2

| Order Code SEN-025 |
|---|
| -9960K |

HSS

## HSS Ground Flute Select-A-Drill Set

HSS Ground Flute jobber drills in a 'Dial-a-Drill' style case. With a clear top to view drills. Manufactured to **BS 328 DIN 338N & ANSI B94 - 11M**.

19 PIECES

x 0.5mm
1.0 ~ 10.0

| (mm) | | | | | | |
|---|---|---|---|---|---|---|
| 1.0 | 2.0 | 3.5 | 5.0 | 6.5 | 8.0 | 9.5 |
| 1.5 | 2.5 | 4.0 | 5.5 | 7.0 | 8.5 | 10.0 |
| | 3.0 | 4.5 | 6.0 | 7.5 | 9.0 | |

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 19 | -9000K |

HSS

## HSS Ground Flute Tap & Drill Set

Industrial quality. Ground flute, blue finish. Supplied in indexing metal cases. Manufactured to **BS 328 : Part 1 : 1986, DIN 338N & ANSI B94 -11M**.

28 PIECES

METRIC Tap & Drill
Taps M3 ~ M12 +Tapping Drills 2.5 ~ 10.2

**28 Piece Tap & Drill Set**
**Taps** (Taper, Second and Bottom)

| | | | |
|---|---|---|---|
| M3 | M5 | M8 | M12 |
| M4 | M6 | M10 | |

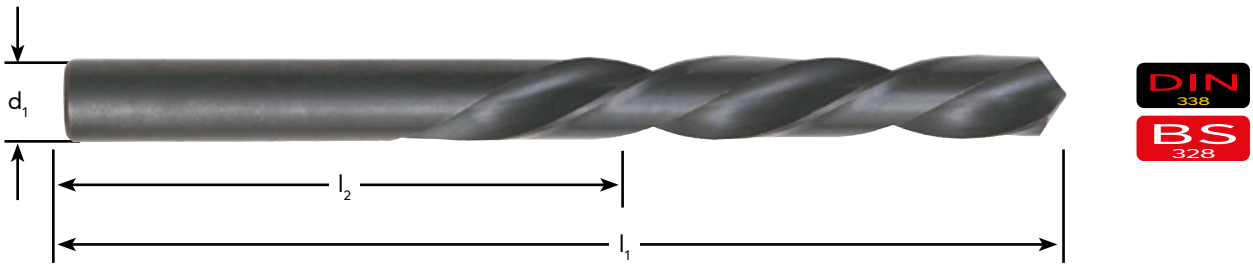
**Tapping Drills**

| | | | |
|---|---|---|---|
| **(mm)** | **3.3** | **5.0** | **8.5** |
| **2.5** | **4.2** | **6.8** | **10.2** |

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 28 | -9960K |

## Dimensions - Jobber Drills to BS 328 / DIN 338

The majority of jobber drills featured in this catalogue comply with the above standards in terms of overall and working dimensions. The tables of sizes below apply to all of these products. In order to save space in the catalogue we are not repeating these dimensions after this page. Any drills which are made to different standards/dimensions will have them printed accordingly in the tables for those products.



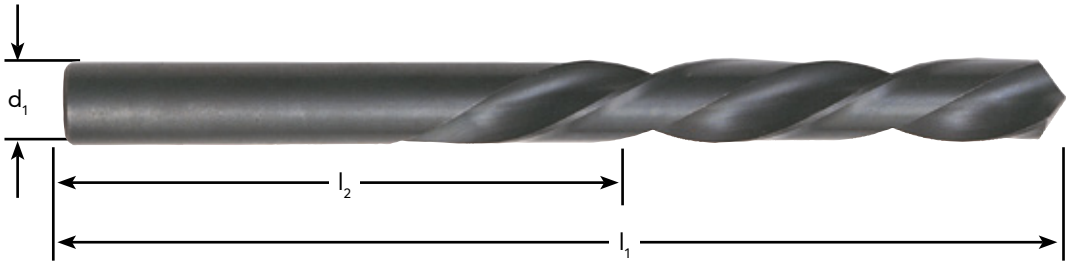

| $d_1$ mm $h_8$ | No/ Letter | Inch Dec. | $l_2$ mm | $l_1$ mm |
|---|---|---|---|---|
| 0.20 | 078 | | 2.5 | 19.0 |
| 0.25 | 098 | | 3.0 | 19.0 |
| 0.30 | | 0.0118 | 3.0 | 19.0 |
| 0.32 | | 0.0125 | 4.0 | 19.0 |
| 0.34 | 80 | 0.0133 | 4.0 | 19.0 |
| 0.35 | | 0.0137 | 4.0 | 19.0 |
| 0.37 | 79 | 0.0145 | 4.0 | 19.0 |
| 0.38 | | 0.0149 | 4.0 | 19.0 |
| 0.40 | 1/64 | 0.0157 | 5.0 | 20.0 |
| 0.40 | | 0.0157 | 5.0 | 20.0 |
| 0.41 | 78 | 0.0161 | 5.0 | 20.0 |
| 0.42 | | 0.0165 | 5.0 | 20.0 |
| 0.45 | | 0.0177 | 5.0 | 20.0 |
| 0.46 | 77 | 0.0181 | 5.0 | 20.0 |
| 0.48 | | 0.0188 | 5.0 | 20.0 |
| 0.50 | | 0.0196 | 6.0 | 22.0 |
| 0.51 | 76 | 0.0200 | 6.0 | 22.0 |
| 0.52 | | 0.0204 | 6.0 | 22.0 |
| 0.53 | 75 | 0.0208 | 6.0 | 22.0 |
| 0.55 | | 0.0216 | 7.0 | 24.0 |
| 0.57 | 74 | 0.0224 | 7.0 | 24.0 |
| 0.58 | | 0.0228 | 7.0 | 24.0 |
| 0.60 | | 0.0236 | 7.0 | 24.0 |
| 0.61 | 73 | 0.0240 | 8.0 | 26.0 |
| 0.62 | | 0.0244 | 8.0 | 26.0 |
| 0.64 | 72 | 0.0251 | 8.0 | 26.0 |
| 0.65 | | 0.0255 | 8.0 | 26.0 |
| 0.66 | 71 | 0.0259 | 8.0 | 26.0 |
| 0.68 | | 0.0267 | 9.0 | 28.0 |
| 0.70 | | 0.0275 | 9.0 | 28.0 |
| 0.71 | 70 | 0.0279 | 9.0 | 28.0 |
| 0.72 | | 0.0283 | 9.0 | 28.0 |
| 0.74 | 69 | 0.0291 | 9.0 | 28.0 |
| 0.75 | | 0.0295 | 9.0 | 28.0 |
| 0.78 | | 0.0307 | 10.0 | 30.0 |
| 0.79 | 1/32 | 0.0311 | 10.0 | 30.0 |
| 0.79 | 68 | 0.0311 | 10.0 | 30.0 |
| 0.80 | | 0.0314 | 10.0 | 30.0 |
| 0.81 | 67 | 0.0318 | 10.0 | 30.0 |
| 0.82 | | 0.0322 | 10.0 | 30.0 |
| 0.84 | 66 | 0.0330 | 10.0 | 30.0 |
| 0.85 | | 0.0334 | 10.0 | 30.0 |
| 0.88 | | 0.0346 | 11.0 | 32.0 |
| 0.89 | 65 | 0.0350 | 11.0 | 32.0 |
| 0.90 | | 0.0354 | 11.0 | 32.0 |
| 0.91 | 64 | 0.0358 | 11.0 | 32.0 |
| 0.92 | | 0.0362 | 11.0 | 32.0 |
| 0.94 | 63 | 0.0370 | 11.0 | 32.0 |
| 0.95 | | 0.0374 | 11.0 | 32.0 |
| 0.97 | 62 | 0.0381 | 12.0 | 34.0 |
| 0.98 | | 0.0385 | 12.0 | 34.0 |
| 0.99 | 61 | 0.0389 | 12.0 | 34.0 |
| 1 | | 0.0393 | 12.0 | 34.0 |
| 1.02 | 60 | 0.0401 | 12.0 | 34.0 |
| 1.04 | 59 | 0.0409 | 12.0 | 34.0 |
| 1.05 | | 0.0413 | 12.0 | 34.0 |
| 1.07 | 58 | 0.0421 | 14.0 | 36.0 |
| 1.09 | 57 | 0.0429 | 14.0 | 36.0 |
| 1.10 | | 0.0433 | 14.0 | 36.0 |
| 1.15 | | 0.0452 | 14.0 | 36.0 |
| 1.18 | 56 | 0.0464 | 14.0 | 36.0 |
| 1.19 | 3/64 | 0.0468 | 16.0 | 38.0 |
| 1.20 | | 0.0472 | 16.0 | 38.0 |
| 1.25 | | 0.0492 | 16.0 | 38.0 |
| 1.30 | | 0.0511 | 16.0 | 38.0 |
| 1.32 | 55 | 0.0519 | 16.0 | 38.0 |
| 1.35 | | 0.0531 | 18.0 | 40.0 |
| 1.40 | | 0.0551 | 18.0 | 40.0 |
| 1.40 | 54 | 0.0551 | 18.0 | 40.0 |
| 1.45 | | 0.0570 | 18.0 | 40.0 |
| 1.50 | | 0.0590 | 18.0 | 40.0 |
| 1.51 | 53 | 0.0594 | 20.0 | 43.0 |
| 1.55 | | 0.0610 | 20.0 | 43.0 |
| 1.59 | 1/16 | 0.0625 | 20.0 | 43.0 |
| 1.60 | | 0.0629 | 20.0 | 43.0 |
| 1.61 | 52 | 0.0633 | 20.0 | 43.0 |
| 1.65 | | 0.0649 | 20.0 | 43.0 |
| 1.70 | | 0.0669 | 20.0 | 43.0 |
| 1.70 | 51 | 0.0669 | 22.0 | 46.0 |
| 1.75 | | 0.0688 | 22.0 | 46.0 |
| 1.78 | 50 | 0.0700 | 22.0 | 46.0 |
| 1.80 | | 0.0708 | 22.0 | 46.0 |
| 1.85 | | 0.0728 | 22.0 | 46.0 |
| 1.85 | 49 | 0.0728 | 22.0 | 46.0 |
| 1.90 | | 0.0748 | 22.0 | 46.0 |
| 1.93 | 48 | 0.0759 | 24.0 | 49.0 |
| 1.95 | | 0.0767 | 24.0 | 49.0 |
| 1.98 | 5/64 | 0.0779 | 24.0 | 49.0 |
| 1.99 | 47 | 0.0783 | 24.0 | 49.0 |
| 2 | | 0.0787 | 24.0 | 49.0 |
| 2.05 | | 0.0807 | 24.0 | 49.0 |
| 2.06 | 46 | 0.0811 | 24.0 | 49.0 |
| 2.08 | 45 | 0.0818 | 24.0 | 49.0 |
| 2.10 | | 0.0826 | 24.0 | 49.0 |
| 2.15 | | 0.0846 | 27.0 | 53.0 |
| 2.18 | 44 | 0.0858 | 27.0 | 53.0 |
| 2.20 | | 0.0866 | 27.0 | 53.0 |
| 2.25 | | 0.0885 | 27.0 | 53.0 |
| 2.26 | 43 | 0.0889 | 27.0 | 53.0 |
| 2.30 | | 0.0905 | 27.0 | 53.0 |
| 2.35 | | 0.0925 | 27.0 | 53.0 |
| 2.38 | 3/32 | 0.0937 | 30.0 | 57.0 |
| 2.38 | 42 | 0.0937 | 30.0 | 57.0 |
| 2.40 | | 0.0944 | 30.0 | 57.0 |
| 2.44 | 41 | 0.0960 | 30.0 | 57.0 |
| 2.45 | | 0.0964 | 30.0 | 57.0 |
| 2.49 | 40 | 0.098 | 30.0 | 57.0 |
| 2.50 | | 0.0984 | 30.0 | 57.0 |
| 2.53 | 39 | 0.0996 | 30.0 | 57.0 |
| 2.55 | | 0.1003 | 30.0 | 57.0 |
| 2.58 | 38 | 0.1015 | 30.0 | 57.0 |
| 2.60 | | 0.1023 | 30.0 | 57.0 |
| 2.64 | 37 | 0.1039 | 30.0 | 57.0 |
| 2.65 | | 0.1043 | 30.0 | 57.0 |
| 2.70 | | 0.1062 | 33.0 | 61.0 |
| 2.71 | 36 | 0.1066 | 33.0 | 61.0 |
| 2.75 | | 0.1082 | 33.0 | 61.0 |
| 2.78 | 7/64 | 0.1094 | 33.0 | 61.0 |
| 2.79 | 35 | 0.1098 | 33.0 | 61.0 |
| 2.80 | | 0.1102 | 33.0 | 61.0 |
| 2.82 | 34 | 0.1110 | 33.0 | 61.0 |
| 2.85 | | 0.1122 | 33.0 | 61.0 |
| 2.87 | 33 | 0.1129 | 33.0 | 61.0 |
| 2.90 | | 0.1141 | 33.0 | 61.0 |
| 2.95 | | 0.1161 | 33.0 | 61.0 |
| 2.95 | 32 | 0.1161 | 33.0 | 61.0 |
| 3 | | 0.1181 | 33.0 | 61.0 |
| 3.05 | 31 | 0.1200 | 36.0 | 65.0 |
| 3.10 | | 0.1220 | 36.0 | 65.0 |
| 3.15 | | 0.1240 | 36.0 | 65.0 |
| 3.18 | 1/8 | 0.1251 | 36.0 | 65.0 |
| 3.20 | | 0.1259 | 36.0 | 65.0 |
| 3.25 | | 0.1279 | 36.0 | 65.0 |
| 3.26 | 30 | 0.1283 | 36.0 | 65.0 |
| 3.30 | | 0.1299 | 36.0 | 65.0 |
| 3.40 | | 0.1338 | 39.0 | 70.0 |
| 3.45 | 29 | 0.1358 | 39.0 | 70.0 |
| 3.50 | | 0.1377 | 39.0 | 70.0 |
| 3.57 | 9/64 | 0.1405 | 39.0 | 70.0 |
| 3.57 | 28 | 0.1405 | 39.0 | 70.0 |
| 3.60 | | 0.1417 | 39.0 | 70.0 |
| 3.66 | 27 | 0.1440 | 39.0 | 70.0 |
| 3.70 | | 0.1456 | 39.0 | 70.0 |
| 3.73 | 26 | 0.1468 | 39.0 | 70.0 |
| 3.75 | | 0.1476 | 39.0 | 70.0 |
| 3.80 | | 0.1496 | 43.0 | 75.0 |
| 3.80 | 25 | 0.1496 | 43.0 | 75.0 |
| 3.86 | 24 | 0.1519 | 43.0 | 75.0 |
| 3.90 | | 0.1535 | 43.0 | 75.0 |
| 3.91 | 23 | 0.1539 | 43.0 | 75.0 |
| 3.97 | 5/32 | 0.1562 | 43.0 | 75.0 |
| 3.99 | 22 | 0.157 | 43.0 | 75.0 |
| 4 | | 0.1574 | 43.0 | 75.0 |
| 4.04 | 21 | 0.1590 | 43.0 | 75.0 |
| 4.09 | 20 | 0.1610 | 43.0 | 75.0 |
| 4.10 | | 0.1614 | 43.0 | 75.0 |
| 4.20 | | 0.1653 | 43.0 | 75.0 |
| 4.22 | 19 | 0.1661 | 43.0 | 75.0 |
| 4.25 | | 0.1673 | 43.0 | 75.0 |
| 4.30 | | 0.1692 | 47.0 | 80.0 |
| 4.31 | 18 | 0.1696 | 47.0 | 80.0 |
| 4.37 | 11/64 | 0.172 | 47.0 | 80.0 |
| 4.39 | 17 | 0.1728 | 47.0 | 80.0 |
| 4.40 | | 0.1732 | 47.0 | 80.0 |
| 4.50 | | 0.1771 | 47.0 | 80.0 |
| 4.50 | 16 | 0.1771 | 47.0 | 80.0 |
| 4.57 | 15 | 0.1799 | 47.0 | 80.0 |
| 4.60 | | 0.1811 | 47.0 | 80.0 |
| 4.62 | 14 | 0.1818 | 47.0 | 80.0 |
| 4.70 | | 0.1850 | 47.0 | 80.0 |
| 4.70 | 13 | 0.1850 | 47.0 | 80.0 |
| 4.75 | | 0.1870 | 47.0 | 80.0 |
| 4.76 | 3/16 | 0.1874 | 52.0 | 86.0 |
| 4.80 | | 0.1889 | 52.0 | 86.0 |
| 4.80 | 12 | 0.1889 | 52.0 | 86.0 |
| 4.85 | 11 | 0.1909 | 52.0 | 86.0 |
| 4.90 | | 0.1929 | 52.0 | 86.0 |
| 4.92 | 10 | 0.1937 | 52.0 | 86.0 |
| 4.98 | 9 | 0.1960 | 52.0 | 86.0 |
| 5 | | 0.1968 | 52.0 | 86.0 |
| 5.06 | 8 | 0.1992 | 52.0 | 86.0 |
| 5.10 | | 0.2007 | 52.0 | 86.0 |
| 5.11 | 7 | 0.2011 | 52.0 | 86.0 |
| 5.16 | 13/64 | 0.2031 | 52.0 | 86.0 |
| 5.18 | 6 | 0.2039 | 52.0 | 86.0 |
| 5.20 | | 0.2047 | 52.0 | 86.0 |
| 5.22 | 5 | 0.2055 | 52.0 | 86.0 |
| 5.25 | | 0.2066 | 52.0 | 86.0 |

# JOBBER DRILLS



## Dimensions - Jobber Drills to BS 328/DIN 338

The majority of jobber drills featured in this catalogue comply with the above standards in terms of overall and working dimensions. The tables of sizes below apply to all of these products. In order to save space in the catalogue we are not repeating these dimensions after this page. Any drills which are made to different standards/dimensions will have them printed accordingly in the tables for those products.




DIN 338
BS 328

| $d_1$ mm $h_8$ | No/ Letter | Inch Dec. | $l_2$ mm | $l_1$ mm |
|---|---|---|---|---|
| 5.30 | | 0.2086 | 52.0 | 86.0 |
| 5.31 | 4 | 0.2090 | 57.0 | 93.0 |
| 5.40 | | 0.2125 | 57.0 | 93.0 |
| 5.41 | 3 | 0.2129 | 57.0 | 93.0 |
| 5.50 | | 0.2165 | 57.0 | 93.0 |
| 5.56 | 7/32 | 0.2188 | 57.0 | 93.0 |
| 5.60 | | 0.2204 | 57.0 | 93.0 |
| 5.61 | 2 | 0.2208 | 57.0 | 93.0 |
| 5.70 | | 0.2244 | 57.0 | 93.0 |
| 5.75 | | 0.2263 | 57.0 | 93.0 |
| 5.79 | 1 | 0.2279 | 57.0 | 93.0 |
| 5.80 | | 0.2283 | 57.0 | 93.0 |
| 5.90 | | 0.2322 | 57.0 | 93.0 |
| 5.94 | A | 0.2338 | 57.0 | 93.0 |
| 5.95 | 15/64 | 0.2342 | 57.0 | 93.0 |
| 6 | | 0.2362 | 57.0 | 93.0 |
| 6 | B | 0.2374 | 63.0 | 101.0 |
| 6.10 | | 0.2401 | 63.0 | 101.0 |
| 6.15 | C | 0.2421 | 63.0 | 101.0 |
| 6.20 | | 0.2440 | 63.0 | 101.0 |
| 6.25 | | 0.2460 | 63.0 | 101.0 |
| 6.25 | D | 0.2460 | 63.0 | 101.0 |
| 6.30 | | 0.2480 | 63.0 | 101.0 |
| 6.35 | 1/4 | 0.2500 | 63.0 | 101.0 |
| 6.35 | E | 0.2500 | 63.0 | 101.0 |
| 6.40 | | 0.2519 | 63.0 | 101.0 |
| 6.50 | | 0.2559 | 63.0 | 101.0 |
| 6.53 | F | 0.2570 | 63.0 | 101.0 |
| 6.60 | | 0.2598 | 63.0 | 101.0 |
| 6.63 | G | 0.2610 | 63.0 | 101.0 |
| 6.70 | | 0.2637 | 63.0 | 101.0 |
| 6.75 | 17/64 | 0.2657 | 69.0 | 109.0 |
| 6.75 | | 0.2657 | 69.0 | 109.0 |
| 6.76 | H | 0.2661 | 69.0 | 109.0 |
| 6.80 | | 0.2677 | 69.0 | 109.0 |
| 6.90 | | 0.2716 | 69.0 | 109.0 |
| 6.91 | I | 0.2720 | 69.0 | 109.0 |
| 7 | | 0.2755 | 69.0 | 109.0 |
| 7.04 | J | 0.2771 | 69.0 | 109.0 |
| 7.10 | | 0.2795 | 69.0 | 109.0 |
| 7.14 | 9/32 | 0.2811 | 69.0 | 109.0 |
| 7.14 | K | 0.2811 | 69.0 | 109.0 |
| 7.20 | | 0.2834 | 69.0 | 109.0 |
| 7.25 | | 0.2854 | 69.0 | 109.0 |
| 7.30 | | 0.2874 | 69.0 | 109.0 |
| 7.37 | L | 0.2901 | 69.0 | 109.0 |
| 7.40 | | 0.2913 | 69.0 | 109.0 |
| 7.49 | M | 0.2948 | 69.0 | 109.0 |
| 7.50 | | 0.2952 | 69.0 | 109.0 |
| 7.54 | 19/64 | 0.2968 | 75.0 | 117.0 |
| 7.60 | | 0.2992 | 75.0 | 117.0 |
| 7.67 | N | 0.3019 | 75.0 | 117.0 |
| 7.70 | | 0.3031 | 75.0 | 117.0 |
| 7.75 | | 0.3051 | 75.0 | 117.0 |
| 7.80 | | 0.3070 | 75.0 | 117.0 |
| 7.90 | | 0.3110 | 75.0 | 117.0 |
| 7.94 | 5/16 | 0.3125 | 75.0 | 117.0 |
| 8 | | 0.3149 | 75.0 | 117.0 |
| 8.03 | O | 0.3161 | 75.0 | 117.0 |
| 8.10 | | 0.3188 | 75.0 | 117.0 |
| 8.20 | | 0.3228 | 75.0 | 117.0 |
| 8.20 | P | 0.3228 | 75.0 | 117.0 |
| 8.25 | | 0.3248 | 75.0 | 117.0 |
| 8.30 | | 0.3267 | 75.0 | 117.0 |
| 8.33 | 21/64 | 0.3279 | 75.0 | 117.0 |
| 8.40 | | 0.3307 | 75.0 | 117.0 |
| 8.43 | Q | 0.3318 | 75.0 | 117.0 |
| 8.50 | | 0.3346 | 75.0 | 117.0 |
| 8.60 | | 0.3385 | 81.0 | 125.0 |
| 8.61 | R | 0.3389 | 81.0 | 125.0 |
| 8.70 | | 0.3425 | 81.0 | 125.0 |
| 8.73 | 11/32 | 0.3437 | 81.0 | 125.0 |
| 8.75 | | 0.3444 | 81.0 | 125.0 |
| 8.80 | | 0.3464 | 81.0 | 125.0 |
| 8.84 | S | 0.3480 | 81.0 | 125.0 |
| 8.90 | | 0.3503 | 81.0 | 125.0 |
| 9 | | 0.3543 | 81.0 | 125.0 |
| 9.09 | T | 0.3578 | 81.0 | 125.0 |
| 9.10 | | 0.3582 | 81.0 | 125.0 |
| 9.13 | 23/64 | 0.3594 | 81.0 | 125.0 |
| 9.20 | | 0.3622 | 81.0 | 125.0 |
| 9.25 | | 0.3641 | 81.0 | 125.0 |
| 9.30 | | 0.3661 | 81.0 | 125.0 |
| 9.35 | U | 0.3681 | 81.0 | 125.0 |
| 9.40 | | 0.3700 | 81.0 | 125.0 |
| 9.50 | | 0.3740 | 81.0 | 125.0 |
| 9.53 | 3/8 | 0.3751 | 87.0 | 133.0 |
| 9.58 | V | 0.3771 | 87.0 | 133.0 |
| 9.60 | | 0.3779 | 87.0 | 133.0 |
| 9.70 | | 0.3818 | 87.0 | 133.0 |
| 9.75 | | 0.3838 | 87.0 | 133.0 |
| 9.80 | | 0.3858 | 87.0 | 133.0 |
| 9.80 | W | 0.3858 | 87.0 | 133.0 |
| 9.90 | | 0.3897 | 87.0 | 133.0 |
| 9.92 | 25/64 | 0.3905 | 87.0 | 133.0 |
| 10 | | 0.3937 | 87.0 | 133.0 |
| 10.08 | X | 0.3968 | 87.0 | 133.0 |
| 10.10 | | 0.3976 | 87.0 | 133.0 |
| 10.20 | | 0.4015 | 87.0 | 133.0 |
| 10.25 | | 0.4035 | 87.0 | 133.0 |
| 10.26 | Y | 0.4039 | 87.0 | 133.0 |
| 10.30 | | 0.4055 | 87.0 | 133.0 |
| 10.32 | 13/32 | 0.4062 | 87.0 | 133.0 |
| 10.40 | | 0.4094 | 87.0 | 133.0 |
| 10.49 | Z | 0.4129 | 87.0 | 133.0 |
| 10.50 | | 0.4133 | 87.0 | 133.0 |
| 10.60 | | 0.4173 | 87.0 | 133.0 |
| 10.70 | | 0.4212 | 94.0 | 142.0 |
| 10.72 | 27/64 | 0.4220 | 94.0 | 142.0 |
| 10.75 | | 0.4232 | 94.0 | 142.0 |
| 10.80 | | 0.4251 | 94.0 | 142.0 |
| 10.90 | | 0.4291 | 94.0 | 142.0 |
| 11 | | 0.4330 | 94.0 | 142.0 |
| 11.10 | | 0.4370 | 94.0 | 142.0 |
| 11.11 | 7/16 | 0.4374 | 94.0 | 142.0 |
| 11.20 | | 0.4409 | 94.0 | 142.0 |
| 11.25 | | 0.4429 | 94.0 | 142.0 |
| 11.30 | | 0.4448 | 94.0 | 142.0 |
| 11.40 | | 0.4488 | 94.0 | 142.0 |
| 11.50 | | 0.4527 | 94.0 | 142.0 |
| 11.51 | 29/64 | 0.4531 | 94.0 | 142.0 |
| 11.60 | | 0.4566 | 94.0 | 142.0 |
| 11.70 | | 0.4606 | 94.0 | 142.0 |
| 11.75 | | 0.4625 | 94.0 | 142.0 |
| 11.80 | | 0.4645 | 94.0 | 142.0 |
| 11.90 | | 0.4685 | 101.0 | 151.0 |
| 11.91 | 15/32 | 0.4688 | 101.0 | 151.0 |
| 12 | | 0.4724 | 101.0 | 151.0 |
| 12.10 | | 0.4763 | 101.0 | 151.0 |
| 12.20 | | 0.4803 | 101.0 | 151.0 |
| 12.25 | | 0.4822 | 101.0 | 151.0 |
| 12.30 | | 0.4842 | 101.0 | 151.0 |
| 12.30 | 31/64 | 0.4842 | 101.0 | 151.0 |
| 12.40 | | 0.4881 | 101.0 | 151.0 |
| 12.50 | | 0.4921 | 101.0 | 151.0 |
| 12.60 | | 0.4960 | 101.0 | 151.0 |
| 12.70 | | 0.5000 | 101.0 | 151.0 |
| 12.70 | 1/2 | 0.5000 | 101.0 | 151.0 |
| 12.75 | | 0.5019 | 101.0 | 151.0 |
| 12.80 | | 0.5039 | 101.0 | 151.0 |
| 12.90 | | 0.5078 | 101.0 | 151.0 |
| 13 | | 0.5118 | 101.0 | 151.0 |
| 13.10 | 33/64 | 0.5157 | 101.0 | 151.0 |
| 13.10 | | 0.5157 | 101.0 | 151.0 |
| 13.20 | | 0.5196 | 101.0 | 151.0 |
| 13.25 | | 0.5216 | 108.0 | 160.0 |
| 13.30 | | 0.5236 | 108.0 | 160.0 |
| 13.40 | | 0.5275 | 108.0 | 160.0 |
| 13.49 | 17/32 | 0.5311 | 108.0 | 160.0 |
| 13.50 | | 0.5314 | 108.0 | 160.0 |
| 13.60 | | 0.5354 | 108.0 | 160.0 |
| 13.70 | | 0.5393 | 108.0 | 160.0 |
| 13.75 | | 0.5413 | 108.0 | 160.0 |
| 13.80 | | 0.5433 | 108.0 | 160.0 |
| 13.89 | 35/64 | 0.5468 | 108.0 | 160.0 |
| 13.90 | | 0.5472 | 108.0 | 160.0 |
| 14 | | 0.5511 | 108.0 | 160.0 |
| 14.25 | | 0.5610 | 114.0 | 169.0 |
| 14.29 | 9/16 | 0.5625 | 114.0 | 169.0 |
| 14.50 | | 0.5708 | 114.0 | 169.0 |
| 14.68 | 37/64 | 0.5779 | 114.0 | 169.0 |
| 14.75 | | 0.5807 | 114.0 | 169.0 |
| 15 | | 0.5905 | 114.0 | 169.0 |
| 15.08 | 19/32 | 0.5937 | 120.0 | 178.0 |
| 15.25 | | 0.6003 | 120.0 | 178.0 |
| 15.48 | 39/64 | 0.6094 | 120.0 | 178.0 |
| 15.50 | | 0.6102 | 120.0 | 178.0 |
| 15.75 | | 0.6200 | 120.0 | 178.0 |
| 15.88 | 5/8 | 0.6251 | 120.0 | 178.0 |
| 16 | | 0.6299 | 120.0 | 178.0 |
| 16.27 | 41/64 | 0.6405 | 125.0 | 184.0 |
| 16.50 | | 0.6496 | 125.0 | 184.0 |
| 16.67 | 21/32 | 0.6562 | 125.0 | 184.0 |
| 17 | | 0.6692 | 125.0 | 184.0 |
| 17.07 | 43/64 | 0.6720 | 130.0 | 191.0 |
| 17.46 | 11/16 | 0.6874 | 130.0 | 191.0 |
| 17.50 | | 0.6889 | 130.0 | 191.0 |
| 18 | | 0.7086 | 130.0 | 191.0 |
| 18.5 | | 0.7283 | 135.0 | 198.0 |
| 19 | | 0.7480 | 135.0 | 198.0 |
| 19.50 | | 0.7677 | 140.0 | 205.0 |
| 20 | | 0.7874 | 140.0 | 205.0 |

# HSS Jobber Drills
# Metric - Steam Tempered

HSS
METRIC

DIN 338
BS 328

For Dimensions See Pages 31 - 32

General purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite.
- Point angle: 118°, Helix angle: normal
- Web thickness: standard
- Relief angle: 10° - 20°
- Tolerance of diameter: h8
- Tolerance of shank: f11

Manufactured to **BS 328/DIN 338RN**.

**Black Finish (W-Finish)**
This is the most common surface finish and is the result of a steam tempering operation in which steam is passed over the product during a controlled tempering cycle, producing a black oxide layer. Black tools are generally recommended for ferrous applications where the oxide layer aids chip flow, helps to dissipate heat by retaining some coolant on the tool surface and also helps to prevent the tool from staining.

For Bright Finish Jobber Drills see page 35

## Series J100

| Dia. (mm) | Flute Length (mm) | Overall Length (mm) | Order Code SHR-025 |
|---|---|---|---|
| 0.25 | 3 | 19 | -0010X |
| 0.3 | 3 | 19 | -0012A |
| 0.35 | 4 | 19 | -0014F |
| 0.4 | 5 | 20 | -0016L |
| 0.42 | 5 | 20 | -0017N |
| 0.5 | 6 | 22 | -0020R |
| 0.55 | 7 | 24 | -0022T |
| 0.6 | 7 | 24 | -0024W |
| 0.65 | 8 | 26 | -0026Y |
| 0.7 | 9 | 28 | -0028A |
| 0.72 | 9 | 28 | -0029B |
| 0.75 | 9 | 28 | -0030C |
| 0.78 | 10 | 30 | -0031D |
| 0.8 | 10 | 30 | -0032E |
| 0.82 | 10 | 30 | -0033F |
| 0.85 | 10 | 30 | -0034G |
| 0.88 | 11 | 32 | -0035H |
| 0.9 | 11 | 32 | -0036J |
| 0.95 | 11 | 32 | -0038L |
| 0.98 | 12 | 34 | -0039M |
| 13 | 101 | 151 | -0201N |

| Dia. (mm) | Flute Length (mm) | Overall Length (mm) | Order Code SHR-025 |
|---|---|---|---|
| 1 | 12 | 34 | -4574A |
| 1.05 | 12 | 34 | -4575B |
| 1.1 | 14 | 36 | -4576C |
| 1.15 | 14 | 36 | -4577D |
| 1.2 | 16 | 38 | -4578E |
| 1.25 | 16 | 38 | -4579F |
| 1.3 | 16 | 38 | -4580G |
| 1.35 | 18 | 40 | -4581H |
| 1.4 | 18 | 40 | -4582J |
| 1.45 | 18 | 40 | -4583K |
| 1.5 | 18 | 40 | -4584L |
| 1.55 | 20 | 43 | -4585M |
| 1.6 | 20 | 43 | -4586N |
| 1.65 | 20 | 43 | -4587P |
| 1.7 | 20 | 43 | -4588Q |
| 1.75 | 22 | 46 | -4589R |
| 1.8 | 22 | 46 | -4590S |
| 1.85 | 22 | 46 | -4591T |
| 1.9 | 22 | 46 | -4592V |
| 1.95 | 24 | 49 | -4593W |
| 2 | 24 | 49 | -4594X |
| 2.05 | 24 | 49 | -4595Y |
| 2.1 | 24 | 49 | -4596Z |
| 2.15 | 27 | 53 | -4597A |
| 2.2 | 27 | 53 | -4598B |
| 2.25 | 27 | 53 | -4599C |
| 2.3 | 27 | 53 | -4600D |

## Series J100

| Dia. (mm) | Flute Length (mm) | Overall Length (mm) | Order Code SHR-025 |
|---|---|---|---|
| 2.35 | 27 | 53 | -4601E |
| 2.4 | 30 | 57 | -4602F |
| 2.45 | 30 | 57 | -4603G |
| 2.5 | 30 | 57 | -4604H |
| 2.55 | 30 | 57 | -4605J |
| 2.6 | 30 | 57 | -4606K |
| 2.65 | 30 | 57 | -4607L |
| 2.7 | 33 | 61 | -4608M |
| 2.75 | 33 | 61 | -4609N |
| 2.8 | 33 | 61 | -4610P |
| 2.85 | 33 | 61 | -4611Q |
| 2.9 | 33 | 61 | -4612R |
| 2.95 | 33 | 61 | -4613S |
| 3 | 33 | 61 | -4614T |
| 3.1 | 36 | 65 | -4615V |
| 3.15 | 36 | 65 | -4616W |
| 3.2 | 36 | 65 | -4617X |
| 3.25 | 36 | 65 | -4618Y |
| 3.3 | 36 | 65 | -4619Z |
| 3.4 | 39 | 70 | -4620A |
| 3.45 | 39 | 70 | -4621B |
| 3.5 | 39 | 70 | -4622C |
| 3.6 | 39 | 70 | -4623D |
| 3.65 | 39 | 70 | -4624E |
| 3.7 | 39 | 70 | -4625F |
| 3.75 | 39 | 70 | -4626G |
| 3.8 | 43 | 75 | -4627H |
| 3.9 | 43 | 75 | -4628J |
| 4 | 43 | 75 | -4629K |
| 4.05 | 43 | 75 | -4630L |
| 4.1 | 43 | 75 | -4631M |
| 4.2 | 43 | 75 | -4632N |
| 4.25 | 43 | 75 | -4633P |
| 4.3 | 47 | 80 | -4634Q |
| 4.4 | 47 | 80 | -4635R |
| 4.5 | 47 | 80 | -4636S |
| 4.6 | 47 | 80 | -4637T |
| 4.7 | 47 | 80 | -4638V |
| 4.75 | 47 | 80 | -4639W |
| 4.8 | 52 | 86 | -4640X |
| 4.85 | 52 | 86 | -4641Y |
| 4.9 | 52 | 86 | -4642Z |
| 5 | 52 | 86 | -4643A |
| 5.1 | 52 | 86 | -4644B |
| 5.2 | 52 | 86 | -4645C |
| 5.25 | 52 | 86 | -4646D |
| 5.3 | 52 | 86 | -4647E |
| 5.4 | 57 | 93 | -4648F |
| 5.5 | 57 | 93 | -4649G |
| 5.6 | 57 | 93 | -4650H |
| 5.7 | 57 | 93 | -4651J |
| 5.75 | 57 | 93 | -4652K |

# JOBBER DRILLS

## HSS Jobber Drills
## Metric - Steam Tempered

HSS

METRIC

DIN 338 BS 328

For Dimensions See Pages 31 - 32

General purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite.
- Point angle: 118°,
- Helix angle: normal
- Web thickness: standard
- Relief angle: 10° - 20°
- Tolerance of diameter: h8
- Tolerance of shank: f11

Manufactured to **BS 328/DIN 338RN**.

**Black Finish (W-Finish)**
This is the most common surface finish and is the result of a steam tempering operation in which steam is passed over the product during a controlled tempering cycle, producing a black oxide layer. Black tools are generally recommended for ferrous applications where the oxide layer aids chip flow, helps to dissipate heat by retaining some coolant on the tool surface and also helps to prevent the tool from staining.

For Bright Finish Jobber Drills see page 35

### Series J100

| Dia. (mm) | Flute Length (mm) | Overall Length (mm) | Order Code SHR-025 |
|---|---|---|---|
| 5.8 | 3 | 19 | -4653L |
| 5.9 | 3 | 19 | -4654M |
| 6 | 4 | 19 | -4655N |
| 6.1 | 5 | 20 | -4656P |
| 6.2 | 5 | 20 | -4657Q |
| 6.25 | 5 | 20 | -4658R |
| 6.3 | 5 | 20 | -4659S |
| 6.4 | 6 | 22 | -4660T |
| 6.5 | 6 | 22 | -4661V |
| 6.6 | 7 | 24 | -4662W |
| 6.7 | 7 | 24 | -4663X |
| 6.75 | 7 | 24 | -4664Y |
| 6.8 | 8 | 26 | -4665Z |
| 6.9 | 8 | 26 | -4666A |
| 7 | 9 | 28 | -4667B |
| 7.1 | 9 | 28 | -4668C |
| 7.2 | 9 | 28 | -4669D |
| 7.3 | 10 | 30 | -4670E |
| 7.4 | 10 | 30 | -4671F |
| 7.5 | 10 | 30 | -4672G |
| 7.6 | 10 | 30 | -4673H |
| 7.7 | 11 | 32 | -4674J |
| 7.8 | 11 | 32 | -4675K |
| 7.9 | 11 | 32 | -4676L |
| 8 | 11 | 32 | -4677M |
| 8.1 | 12 | 34 | -4678N |
| 8.2 | 12 | 34 | -4679P |
| 8.25 | 12 | 34 | -4680Q |
| 8.3 | 14 | 36 | -4681R |
| 8.4 | 14 | 36 | -4682S |
| 8.5 | 16 | 38 | -4683T |
| 8.6 | 16 | 38 | -4684V |
| 8.7 | 16 | 38 | -4685W |
| 8.75 | 18 | 40 | -4686X |
| 8.8 | 18 | 40 | -4687Y |
| 8.9 | 18 | 40 | -4688Z |
| 9 | 18 | 40 | -4689A |
| 9.1 | 20 | 43 | -4690B |
| 9.2 | 20 | 43 | -4691C |
| 9.3 | 20 | 43 | -4692D |
| 9.4 | 22 | 46 | -4693E |
| 9.5 | 22 | 46 | -4694F |
| 9.6 | 22 | 46 | -4695G |
| 9.7 | 22 | 46 | -4696H |
| 9.75 | 24 | 49 | -4697J |
| 9.8 | 24 | 49 | -4698K |
| 9.9 | 24 | 49 | -4699L |
| 10 | 24 | 49 | -4700M |
| 10.1 | 27 | 53 | -4701N |
| 10.2 | 27 | 53 | -4702P |
| 10.25 | 27 | 53 | -4703Q |

### Series J100

| Dia. (mm) | Flute Length (mm) | Overall Length (mm) | Order Code SHR-025 |
|---|---|---|---|
| 10.3 | 87 | 133 | -4704R |
| 10.4 | 87 | 133 | -4705S |
| 10.5 | 87 | 133 | -4706T |
| 10.6 | 87 | 133 | -4707V |
| 10.7 | 94 | 142 | -4708W |
| 10.8 | 94 | 142 | -4709X |
| 10.9 | 94 | 142 | -4710Y |
| 11 | 94 | 142 | -4711Z |
| 11.1 | 94 | 142 | -4712A |
| 11.2 | 94 | 142 | -4713B |
| 11.3 | 94 | 142 | -4714C |
| 11.4 | 94 | 142 | -4715D |
| 11.5 | 94 | 142 | -4716E |
| 11.6 | 94 | 142 | -4717F |
| 11.7 | 94 | 142 | -4718G |
| 11.8 | 94 | 142 | -4719H |
| 11.9 | 101 | 151 | -4720J |
| 12 | 101 | 151 | -4721K |
| 12.1 | 101 | 151 | -4722L |
| 12.2 | 101 | 151 | -4723M |
| 12.25 | 101 | 151 | -4724N |
| 12.3 | 101 | 151 | -4725P |
| 12.4 | 101 | 151 | -4726Q |
| 12.5 | 101 | 151 | -4727R |
| 12.6 | 101 | 151 | -4728S |
| 12.7 | 101 | 151 | -4729T |
| 12.8 | 101 | 151 | -4730V |
| 12.9 | 101 | 151 | -4731W |
| 13.1 | 101 | 151 | -0202P |
| 13.2 | 101 | 151 | -0203Q |
| 13.3 | 108 | 160 | -0205S |
| 13.5 | 108 | 160 | -0207V |
| 13.6 | 108 | 160 | -0208W |
| 13.7 | 108 | 160 | -0209X |
| 13.75 | 108 | 160 | -0210Y |
| 13.8 | 108 | 160 | -0211N |
| 13.9 | 108 | 160 | -0212A |
| 14 | 108 | 160 | -0213B |
| 14.25 | 114 | 169 | -0214C |
| 14.5 | 114 | 169 | -0215D |
| 14.75 | 114 | 169 | -0216E |
| 15 | 114 | 169 | -0217F |
| 15.25 | 120 | 178 | -0218G |
| 15.5 | 120 | 178 | -0219H |
| 15.75 | 120 | 178 | -0220J |
| 16 | 120 | 178 | -0221K |
| 16.5 | 125 | 184 | -0222L |
| 17 | 125 | 184 | -0223M |
| 17.5 | 130 | 191 | -0224N |
| 18 | 130 | 191 | -0225P |
| 18.5 | 135 | 198 | -0226Q |
| 19 | 135 | 198 | -0227R |
| 19.5 | 140 | 205 | -0228S |
| 20 | 140 | 205 | -0229T |

## HSS Jobber Drills - Bright Finish

HSS

General purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite.
Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11.
Manufactured to **BS 328/DIN 338RN**.

**Bright Finish**
Drills with a bright finish are supplied
in the as-ground condition and such tools are used generally in the machining of non-ferrous materials.

DIN 338 BS 328 For Dimensions See Pages 31 - 32

**PRICED PER 1**

| Diameter mm | Order Code SHR-025 |
|---|---|
| 1 | -4752A |
| 1.1 | -4753B |
| 1.2 | -4754C |
| 1.3 | -4755D |
| 1.4 | -4756E |
| 1.5 | -4757F |
| 1.6 | -4758G |
| 1.7 | -4759H |
| 1.8 | -4760J |
| 1.9 | -4761K |
| 1.95 | -4762L |
| 2 | -4763M |
| 2.1 | -4764N |
| 2.2 | -4765P |
| 2.3 | -4766Q |
| 2.4 | -4767R |
| 2.5 | -4768S |
| 2.6 | -4769T |
| 2.7 | -4770V |
| 2.8 | -4771W |
| 2.9 | -4772X |
| 3 | -4773Y |
| 3.1 | -4774Z |
| 3.2 | -4775A |
| 3.3 | -4776B |

| Diameter mm | Order Code SHR-025 |
|---|---|
| 3.4 | -4777C |
| 3.5 | -4778D |
| 3.6 | -4779E |
| 3.7 | -4780F |
| 3.8 | -4781G |
| 3.9 | -4782H |
| 4 | -4783J |
| 4.1 | -4784K |
| 4.2 | -4785L |
| 4.3 | -4786M |
| 4.4 | -4787N |
| 4.5 | -4788P |
| 4.6 | -4789Q |
| 4.7 | -4790R |
| 4.8 | -4791S |
| 4.9 | -4792T |
| 5 | -4793V |
| 5.1 | -4794W |
| 5.2 | -4795X |
| 5.3 | -4796Y |
| 5.4 | -4797Z |
| 5.5 | -4798A |
| 5.6 | -4799B |
| 5.7 | -4800C |
| 5.8 | -4801D |
| 5.9 | -4802E |

| Diameter mm | Order Code SHR-025 |
|---|---|
| 6 | -4803F |
| 6.1 | -4804G |
| 6.2 | -4805H |
| 6.3 | -4806J |
| 6.4 | -4807K |
| 6.5 | -4808L |
| 6.6 | -4809M |
| 6.7 | -4810N |
| 6.8 | -4811P |
| 6.9 | -4812Q |
| 7 | -4813R |
| 7.1 | -4814S |
| 7.2 | -4815T |
| 7.3 | -4816V |
| 7.4 | -4817W |
| 7.5 | -4818X |
| 8 | -4823C |
| 8.2 | -4825E |
| 8.3 | -4826F |
| 8.5 | -4828H |
| 8.7 | -4830K |
| 8.8 | -4831L |
| 9 | -4833N |
| 9.1 | -4834P |
| 9.4 | -4837S |
| 9.5 | -4838T |

| Diameter mm | Order Code SHR-025 |
|---|---|
| 9.6 | -4839V |
| 10 | -4843Z |
| 10.2 | -4845B |
| 10.5 | -4847D |
| 11 | -4851H |
| 11.5 | -4854L |
| 11.8 | -4856N |
| 12 | -4857P |
| 12.3 | -4860S |
| 12.4 | -4861T |
| 12.5 | -4862V |
| 13 | -4865Y |
| 13.20 | -0240T |
| 14.00 | -0241C |
| 14.50 | -0241E |
| 15.00 | -0241G |
| 16.00 | -0241L |
| 16.50 | -0241P |
| 17.00 | -0241R |
| 17.50 | -0241T |
| 18.00 | -0241V |
| 18.50 | -0241X |
| 19.00 | -0241Z |
| 20.00 | -0242D |

### Inch

| Diameter Inch | Order Code SHR-025 |
|---|---|
| 1/16 | -4876A |
| 5/64 | -4877B |
| 3/32 | -4878C |
| 7/64 | -4879D |
| 1/8 | -4880E |
| 9/64 | -4881F |
| 5/32 | -4882G |
| 11/64 | -4883H |
| 3/16 | -4884J |
| 1/4 | -4888N |
| 19/64 | -4891R |
| 5/16 | -4892S |

## HSS Jobber Drill Sets

Industrial quality. Ground flute, blue finish. Supplied in indexing metal cases.
Manufactured to **BS 328 : Part 1 DIN 338N & ANSI B94 - 11M**.

25 PIECES

**x 0.5mm**
**1.0 ~ 13.0**

| (mm) | | | | | | |
|---|---|---|---|---|---|---|
| 1.0 | 2.5 | 4.5 | 6.5 | 8.5 | 10.5 | 12.5 |
| 1.5 | 3.0 | 5.0 | 7.0 | 9.0 | 11.0 | 13.0 |
| 2.0 | 3.5 | 5.5 | 7.5 | 9.5 | 11.5 | |
| | 4.0 | 6.0 | 8.0 | 10.0 | 12.0 | |

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 25 | -8500K |

## HSS Jobber Drill Sets - Bright Finish

Industrial quality. Ground flute.
Supplied in indexing metal cases.
Manufactured to **BS 328 : Part 1 : 1986, DIN 338N & ANSI B94 - 11M**.

DIN 338 BS 328 For Dimensions See Pages 31 - 32

25 PIECES

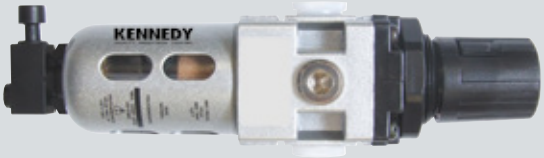
**x 0.5mm**
**1.0 ~ 13.0**

| (mm) | | | | | | |
|---|---|---|---|---|---|---|
| 1.0 | 2.5 | 4.5 | 6.5 | 8.5 | 10.5 | 12.5 |
| 1.5 | 3.0 | 5.5 | 7.5 | 9.5 | 11.5 | 13.0 |
| 2.0 | 3.5 | 6.0 | 8.0 | 10.0 | 12.0 | |
| | 4.0 | | | | | |

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 25 | -8520K |

See our range

Scan the QR Code




Filters & Regulators

# LONG SERIES DRILLS

## HSS Straight Shank Long Series Drills - Steam Tempered

HSS

General purpose drills which are designed to drill steels with tensile strength up to 1,000N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Point angle: 118°, helix angle: normal, web thickness: normal, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of f11.
Manufactured to **BS 328; Part 1: 1986, DIN 340 RN, ISO 494**.

**Series L100**

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-025 |
|---|---|---|---|
| 1.00 | 33.0 | 56.0 | **-1420A** |
| 1.50 | 45.0 | 70.0 | **-1425F** |
| 1.60 | 50.0 | 76.0 | **-1426G** |
| 1.70 | 50.0 | 76.0 | **-1427H** |
| 1.80 | 53.0 | 80.0 | **-1429K** |
| 1.90 | 53.0 | 80.0 | **-1431M** |
| 2.00 | 56.0 | 85.0 | **-1433P** |
| 2.10 | 56.0 | 85.0 | **-1435R** |
| 2.20 | 59 | 90 | **-1437T** |
| 2.30 | 59.0 | 90.0 | **-1439W** |
| 2.40 | 62.0 | 95.0 | **-1441Y** |
| 2.50 | 62.0 | 95.0 | **-1443A** |
| 2.60 | 62.0 | 95.0 | **-1445C** |
| 2.70 | 66 | 100 | **-1447E** |
| 2.80 | 66.0 | 100.0 | **-1449G** |
| 2.90 | 66.0 | 100.0 | **-1451J** |
| 3.00 | 66.0 | 100.0 | **-1453L** |
| 3.10 | 69.0 | 106.0 | **-1454M** |
| 3.20 | 69.0 | 106.0 | **-1455N** |
| 3.25 | 69 | 106 | **-1456P** |
| 3.30 | 69. | 106.0 | **-1457Q** |
| 3.40 | 73.0 | 112.0 | **-1458R** |
| 3.50 | 73.0 | 112.0 | **-1459S** |
| 3.60 | 73.0 | 112.0 | **-1460T** |
| 3.70 | 73.0 | 112.0 | **-1461V** |
| 3.80 | 78.0 | 119.0 | **-1463X** |
| 3.90 | 78.0 | 119.0 | **-1464Y** |
| 4.00 | 78.0 | 119.0 | **-1465N** |
| 4.10 | 78.0 | 119.0 | **-1466A** |
| 4.20 | 78.0 | 119.0 | **-1467B** |
| 4.30 | 82.0 | 126.0 | **-1469D** |
| 4.40 | 82 | 126 | **-1470E** |
| 4.50 | 82.0 | 126.0 | **-1471F** |
| 4.60 | 82 | 126 | **-1472G** |
| 4.70 | 82.0 | 126.0 | **-1473H** |
| 4.80 | 87.0 | 132.0 | **-1475K** |
| 4.90 | 87.0 | 132.0 | **-1476L** |
| 5.00 | 87.0 | 132.0 | **-1477M** |
| 5.10 | 87.0 | 132.0 | **-1478N** |
| 5.20 | 87.0 | 132.0 | **-1479P** |
| 5.30 | 87.0 | 132.0 | **-1481R** |
| 5.40 | 91.0 | 139.0 | **-1482S** |
| 5.50 | 91.0 | 139.0 | **-1483T** |
| 5.60 | 91 | 139 | **-1484V** |
| 5.70 | 91 | 139 | **-1485W** |
| 5.80 | 91 | 139 | **-1487Y** |
| 5.90 | 91.0 | 139.0 | **-1488N** |
| 6.00 | 91.0 | 139.0 | **-1489A** |
| 6.10 | 79.0 | 148.0 | **-1490B** |
| 6.20 | 97.0 | 148.0 | **-1491C** |
| 6.30 | 97.0 | 148.0 | **-1493E** |
| 6.40 | 97.0 | 148.0 | **-1494F** |
| 6.50 | 97.0 | 148.0 | **-1495G** |
| 6.60 | 97.0 | 148.0 | **-1496H** |
| 6.70 | 97.0 | 148.0 | **-1497J** |
| 6.80 | 102.0 | 156.0 | **-1499L** |
| 6.90 | 102.0 | 156.0 | **-1500M** |
| 7.00 | 102.0 | 156.0 | **-1501N** |
| 7.20 | 102.0 | 156.0 | **-1503Q** |
| 7.30 | 120 | 156 | **-1505S** |
| 7.50 | 102.0 | 156.0 | **-1507V** |
| 7.70 | 109.0 | 165.0 | **-1509X** |
| 7.80 | 109 | 165 | **-1511N** |
| 7.90 | 109 | 165 | **-1512A** |
| 8.00 | 109.0 | 165.0 | **-1513B** |
| 8.10 | 109 | 165 | **-1514C** |
| 8.20 | 109.0 | 165.0 | **-1515D** |
| 8.30 | 109.0 | 165.0 | **-1517F** |
| 8.50 | 109.0 | 165.0 | **-1519H** |
| 8.60 | 115 | 175 | **-1520J** |
| 8.70 | 115.0 | 175.0 | **-1521K** |
| 8.80 | 115 | 175 | **-1523M** |
| 9.00 | 115.0 | 175.0 | **-1525P** |
| 9.20 | 115 | 175 | **-1527R** |
| 9.50 | 115.0 | 175.0 | **-1531W** |
| 9.80 | 115 | 175 | **-1535A** |
| 10.00 | 121.0 | 184.0 | **-1537C** |
| 10.10 | 121.0 | 184.0 | **-1538D** |
| 10.20 | 121.0 | 184.0 | **-1539E** |
| 10.40 | 121.0 | 184.0 | **-1542H** |
| 10.50 | 121.0 | 184.0 | **-1543J** |
| 10.70 | 128 | 195 | **-1545L** |
| 10.80 | 128 | 195 | **-1547N** |
| 11.00 | 128.0 | 195.0 | **-1549Q** |
| 11.50 | 128.0 | 195.0 | **-1555X** |
| 11.70 | 128 | 195 | **-1557N** |
| 11.80 | 128.0 | 195.0 | **-1559B** |
| 12.00 | 134.0 | 205.0 | **-1561D** |
| 12.20 | 134 | 205 | **-1563F** |
| 12.50 | 134.0 | 205.0 | **-1567K** |
| 12.70 | 134 | 205 | **-1569M** |
| 13.00 | 134.0 | 205.0 | **-1573R** |

## HSS Straight Shank Long Series Drills Bright Finish

HSS

General purpose drills to drill steels with tensile strength up to 1,000N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Point angle: 118°, helix angle: normal, web thickness: normal, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of f11. Manufactured to **BS 328; Part 1: 1986, DIN 340 RN, ISO 494**. Drills with a bright finish are supplied in the as-ground condition and such tools are used generally in the machining of non-ferrous materials.

**Series L100 - Bright Finish**

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-025 |
|---|---|---|---|
| 1.00 | 33.0 | 56.0 | **-1630A** |
| 1.20 | 41.0 | 65.0 | **-1630E** |
| 1.50 | 45.0 | 70.0 | **-1630J** |
| 2.00 | 56.0 | 85.0 | **-1630Q** |
| 2.10 | 56.0 | 85.0 | **-1630R** |
| 2.20 | 59.0 | 90.0 | **-1630S** |
| 2.30 | 62.0 | 95.0 | **-1630T** |
| 2.40 | 62.0 | 95.0 | **-1630W** |
| 2.50 | 62.0 | 95.0 | **-1630Y** |
| 2.80 | 66.0 | 100.0 | **-1631B** |
| 3.00 | 66.0 | 100.0 | **-1631H** |
| 3.20 | 69.0 | 106.0 | **-1631N** |
| 3.30 | 69.0 | 106.0 | **-1631Q** |
| 3.40 | 73 | 112 | **-1631T** |
| 3.50 | 73.0 | 112.0 | **-1631V** |
| 3.80 | 78 | 119 | **-1631Y** |
| 4.00 | 78.0 | 119.0 | **-1632C** |
| 4.20 | 78.0 | 119.0 | **-1632F** |
| 4.30 | 82 | 126 | **-1632G** |
| 4.40 | 82 | 126 | **-1632J** |
| 4.50 | 82.0 | 126.0 | **-1632L** |
| 5.00 | 87.0 | 132.0 | **-1632W** |
| 5.10 | 87 | 132 | **-1632X** |
| 5.20 | 87 | 132 | **-1632Y** |
| 5.50 | 91 | 139 | **-1633F** |
| 5.80 | 91 | 139 | **-1633J** |
| 6.00 | 91.0 | 139.0 | **-1633P** |
| 6.30 | 97.0 | 148.0 | **-1633S** |
| 6.50 | 97.0 | 148.0 | **-1633X** |
| 6.80 | 120.0 | 156.0 | **-1634D** |
| 7.00 | 120.0 | 156.0 | **-1634H** |
| 7.20 | 102 | 156 | **-1634K** |
| 7.50 | 102 | 156 | **-1634N** |
| 8.00 | 109.0 | 165.0 | **-1635A** |
| 8.20 | 109 | 165 | **-1635C** |
| 8.50 | 109.0 | 165.0 | **-1635L** |
| 9.00 | 115 | 175 | **-1635Z** |
| 9.50 | 115 | 175 | **-1636E** |
| 9.80 | 121 | 184 | **-1636L** |
| 10.00 | 121.0 | 184.0 | **-1636N** |
| 10.20 | 121 | 184 | **-1636Q** |
| 10.50 | 121 | 184 | **-1636T** |
| 11.00 | 128 | 195 | **-1637A** |
| 11.50 | 128 | 195 | **-1637F** |
| 12.00 | 134.0 | 205.0 | **-1637P** |
| 12.50 | 134 | 205 | **-1637V** |
| 13.00 | 134 | 205 | **-1638Q** |

## HSS Taper Shank Drills
## Metric

To drill steels with a tensile strength up to 1,000 N/mm², cast steel, grey cast iron, malleable cast iron, nickel brass and graphite. Point angle: 118°, helix angle: normal, relief angle: normal, tolerance of diameter: h8.
Manufacturing Standard: **DIN 345**.

**DIN 345**

**≥ 4.00 mm**
**≤ 15.75 mm**

**Series T100**

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-025 |
|---|---|---|---|
| **1 Morse Taper** | | | |
| 4.00 | 43 | 123 | **-2646S** |
| 4.10 | 43 | 123 | **-2647T** |
| 4.20 | 43 | 123 | **-2648V** |
| 4.50 | 47 | 123 | **-2652N** |
| 5.00 | 52 | 133 | **-2658F** |
| 5.50 | 57 | 138 | **-2664M** |
| 6.00 | 57 | 138 | **-2670T** |
| 6.50 | 63 | 144 | **-2676A** |
| 6.60 | 63 | 144 | **-2677B** |
| 6.80 | 69 | 150 | **-2680E** |
| 7.00 | 69 | 150 | **-2682G** |
| 7.50 | 69 | 150 | **-2688N** |
| 8.00 | 75 | 156 | **-2694W** |
| 8.20 | 75 | 156 | **-2696Y** |
| 8.50 | 75 | 156 | **-2700C** |
| 8.60 | 81 | 162 | **-2701D** |
| 9.00 | 81 | 162 | **-2706J** |

**Series T100**

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-025 |
|---|---|---|---|
| 9.50 | 81 | 162 | **-2712Q** |
| 10.00 | 87 | 168 | **-2718X** |
| 10.20 | 87 | 168 | **-2720N** |
| 10.50 | 87 | 168 | **-2724D** |
| 11.00 | 94 | 175 | **-2730K** |
| 11.50 | 94 | 175 | **-2736R** |
| 12.00 | 101 | 182 | **-2742Y** |
| 12.20 | 101 | 182 | **-2744A** |
| 12.50 | 101 | 182 | **-2748E** |
| 13.00 | 101 | 182 | **-2754L** |
| 13.50 | 108 | 189 | **-2760S** |
| 14.00 | 108 | 189 | **-2766N** |
| **2 Morse Taper** | | | |
| 14.50 | 114 | 212 | **-2768B** |
| 15.00 | 114 | 212 | **-2770D** |
| 15.50 | 120 | 218 | **-2772F** |

**DIN 345**

**≥ 16.00 mm**
**≤ 50.00 mm**

**Series T100**

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-025 |
|---|---|---|---|
| **2 Morse Taper** | | | |
| 16.00 | 120 | 218 | **-2774H** |
| 16.50 | 125 | 223 | **-2776K** |
| 17.00 | 125 | 223 | **-2778M** |
| 17.50 | 130 | 228 | **-2780P** |
| 18.00 | 130 | 228 | **-2782R** |
| 18.50 | 135 | 233 | **-2784T** |
| 19.00 | 135 | 233 | **-2786W** |
| 19.50 | 140 | 238 | **-2788Y** |
| 20.00 | 140 | 238 | **-2790A** |
| 20.50 | 145 | 243 | **-2793D** |
| 21.00 | 145 | 243 | **-2795F** |
| 21.50 | 150 | 248 | **-2797H** |
| 22.00 | 150 | 248 | **-2799K** |
| 22.50 | 150 | 248 | **-2801M** |
| 23.00 | 150 | 248 | **-2803P** |
| **3 Morse Taper** | | | |
| 23.50 | 150 | 248 | **-2805R** |
| 24.00 | 160 | 281 | **-2807T** |
| 24.50 | 160 | 281 | **-2809W** |

**Series T100**

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-025 |
|---|---|---|---|
| 25.00 | 160 | 281 | **-2811Y** |
| 26.00 | 165 | 286 | **-2815C** |
| 27.00 | 170 | 291 | **-2819G** |
| 28.00 | 170 | 291 | **-2823L** |
| 29.00 | 175 | 296 | **-2827Q** |
| 30.00 | 175 | 296 | **-2831V** |
| 31.00 | 180 | 301 | **-2835N** |
| **4 Morse Taper** | | | |
| 32.00 | 185 | 334 | **-2839D** |
| 33.00 | 185 | 334 | **-2842G** |
| 34.00 | 190 | 339 | **-2844J** |
| 35.00 | 190 | 339 | **-2846L** |
| 36.00 | 195 | 344 | **-2848N** |
| 37.00 | 195 | 334 | **-2850Q** |
| 38.00 | 200 | 349 | **-2852S** |
| 39.00 | 200 | 349 | **-2854V** |
| 40.00 | 200 | 349 | **-2856X** |
| 45.00 | 210 | 359 | **-2866H** |
| 50.00 | 220 | 369 | **-2876T** |

# REDUCED SHANK DRILLS



## HSS Reduced Shank Drills (Blacksmiths)

HSS

General purpose drills for light duty work, for drilling steels, cast iron, nickel brass and graphite. Reduced parallel shank ½". Point angle: 118°, helix angle: normal, web thickness: standard, tolerance of diameter: h8, tolerance of shank: 0.01/0.08. Manufactured to works standard.

**Metric**

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-025 |
|---|---|---|---|
| 13.0 | 78 | 150 | -1805A |
| 13.5 | 78 | 150 | -1805B |
| 14.0 | 78 | 150 | -1806C |
| 14.5 | 78 | 150 | -1806D |
| 15.0 | 78 | 150 | -1807E |
| 15.5 | 78 | 150 | -1807F |
| 16.0 | 78 | 150 | -1808G |
| 16.5 | 78 | 150 | -1808H |
| 17.0 | 78 | 150 | -1809J |
| 17.5 | 78 | 150 | -1809K |
| 18.0 | 78 | 150 | -1810L |
| 18.5 | 78 | 150 | -1810M |
| 19.0 | 78 | 150 | -1811N |
| 19.5 | 85 | 150 | -1811P |
| 20.0 | 85 | 150 | -1812Q |
| 21.0 | 85 | 150 | -1813R |
| 22.0 | 85 | 150 | -1814S |
| 23.0 | 85 | 150 | -1815T |
| 24.0 | 85 | 150 | -1816V |
| 25.0 | 85 | 150 | -1817W |
| 26.0 | 85 | 150 | -1818X |
| 27.0 | 85 | 150 | -1819Y |
| 28.0 | 85 | 150 | -1820Z |
| 29.0 | 85 | 150 | -1821A |
| 30.0 | 85 | 150 | -1822B |
| 32.0 | 85 | 150 | -1824D |

**Bright Finish - TiN Tipped**

HSS TiN-tip

**Metric**

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-025 |
|---|---|---|---|
| 14.0 | 78 | 150 | -1736C |
| 15.0 | 78 | 150 | -1737E |
| 16.0 | 78 | 150 | -1738G |
| 17.0 | 78 | 150 | -1739J |
| 18.0 | 78 | 150 | -1740L |
| 19.0 | 78 | 150 | -1741P |
| 20.0 | 85 | 150 | -1742Q |
| 22.0 | 85 | 150 | -1744S |
| 25.0 | 85 | 150 | -1747W |

## Spotting Drills

See our range

Scan the QR code

## HSS Spotting Drills

HSS-E

Special drill for accurate and fast spotting on NC machines, jig drills and other capital-intensive boring machines. For countersinking and chamfering of tapping holes in one operation. Only suitable for shallow depth drilling.

**90° Point - Series C520**

| Diam. (mm) | Flute Length | Overall Length | Order Code SHR-025 |
|---|---|---|---|
| 3.00 | 12.0 | 46.0 | -2528Y |
| 4.00 | 12.0 | 46.0 | -2528Z |
| 5.00 | 14.0 | 62.0 | -2529B |
| 6.00 | 16.0 | 66.0 | -2529A |
| 8.00 | 21.0 | 79.0 | -2530B |
| 10.00 | 24.0 | 89.0 | -2531C |
| 12.00 | 30.0 | 102.0 | -2532D |
| 14.00 | 33.0 | 107.0 | -2532N |
| 16.00 | 35.0 | 115.0 | -2533E |
| 20.00 | 40.0 | 131.0 | -2534F |

**90° Point Set**
**Contents:** 4.00, 6.00, 8.00, 10.00 and 12.00mm.

5 PIECES

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 5 | -9200K |

**120° Point - Series C530**

| Diam. (mm) | Flute Length | Overall Length | Order Code SHR-025 |
|---|---|---|---|
| 6.00 | 20.0 | 66.0 | -2535G |
| 8.00 | 16.0 | 79.0 | -2536H |
| 10.00 | 21.0 | 89.0 | -2537J |
| 12.00 | 30.0 | 102.0 | -2538K |
| 16.00 | 35.0 | 115.0 | -2539L |
| 20.00 | 40.0 | 131.0 | -2540M |

## HSS Centre Drills

HSS

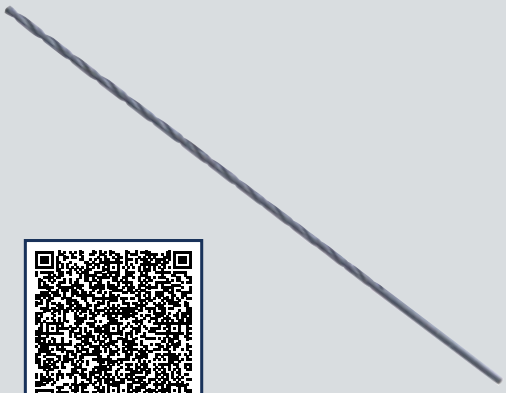
INCH

Designed with spiral flutes and various lengths and forms to give high quality centre holes that suit most applications. 60° inclusive angle.
Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**

**Inch Series**
**Series C100**

| Size | Diameter. Body | Diameter. Pilot | Pilot Length Min. | Pilot Length Max | Overall Length | Order Code SHR-025 |
|---|---|---|---|---|---|---|
| BS00 | 1/8" | 0.025" | 0.025" | 0.030" | 1 1/8" | -1827L |
| BS0 | 1/8" | 1/32" | 3/64" | 1/16" | 1 1/4" | -1828M |
| BS1 | 1/8" | 3/64" | 1/16" | 5/64" | 1 1/2" | -1829A |
| BS2 | 3/16" | 1/16" | 5/64" | 3/32" | 1 3/4" | -1830B |
| BS3 | 1/4" | 3/32" | 1/8" | 5/32" | 2" | -1831C |
| BS4 | 5/16" | 1/8" | 5/32" | 3/16" | 2 1/4" | -1832D |
| BS5 | 7/16" | 3/16" | 1/4" | 9/32" | 2 1/2" | -1833E |
| BS6 | 5/8" | 1/4" | 5/16" | 3/8" | 3" | -1835G |

## Vent & Micro Precision Drills



Scan the QR code

## HSS Centre Drills

HSS

METRIC

Designed with spiral flutes and various lengths and forms to give high quality centre holes that suit most applications. 60° inclusive angle. Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**

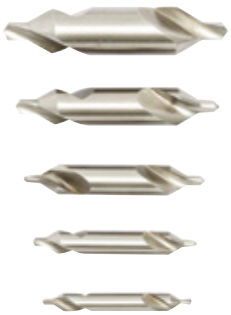
**C100 Series - Metric**

| Diameter Body | Diameter Pilot | Pilot Length Min | Pilot Length Max | Overall Length | Order Code SHR-025 |
|---|---|---|---|---|---|
| 3.15 | 0.80 | 1.1 | 1.5 | 31.5 | -1843X |
| 3.15 | 1.00 | 1.3 | 1.9 | 31.5 | -1844A |
| 3.15 | 1.25 | 1.6 | 2.2 | 31.5 | -1845B |
| 4.00 | 1.60 | 2.0 | 2.8 | 35.5 | -1846C |
| 5.00 | 2.00 | 2.5 | 3.3 | 40.0 | -1847D |
| 6.30 | 2.50 | 3.1 | 4.1 | 45.0 | -1848E |
| 8.00 | 3.15 | 3.9 | 4.9 | 50.0 | -1849F |
| 10.00 | 4.00 | 5.0 | 6.2 | 56.0 | -1850G |
| 12.50 | 5.00 | 6.3 | 7.5 | 63.0 | -1851H |
| 16.00 | 6.30 | 8.0 | 9.2 | 71.0 | -1852J |
| 20.00 | 8.00 | 10.0 | 11.5 | 83.0 | -1852M |
| 25.00 | 10.00 | 12.8 | 14.2 | 103.0 | -1852N |

## HSS Metric Set

HSS

60° inclusive angle.
Manufactured to
**BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**
**Sizes:** 5 x 2mm, 6.3 x 2.5mm, 8 x 3.15mm 10 x 4mm and 12.5 x 5mm.

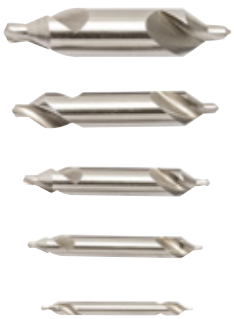


| Weight each | Order Code SHR-025 |
|---|---|
| 120g | -9150K |

## HSS BS Set

HSS

60° inclusive angle.
Manufactured to
**BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540,ISO 2541.**
**Sizes:** BS1, BS2, BS3, BS4 and BS5.



| Weight each | Order Code SHR-025 |
|---|---|
| 114g | -9160K |

# LONG/EXTRA LENGTH DRILLS

## HSS Long Series Drill Set

Used for deep hole drilling in most materials. (Not suitable for the drilling of holes in crankshafts.)
Manufactured to **BS 328 : Part 1 : 1986**.

10 PIECES

**mm**
**2.0 ~ 10.0**

| | | |
|---|---|---|
| 2.0 x 85mm | 4.0 x 119mm | 8.0 x 165mm |
| 2.5 x 95mm | 4.5 x 126mm | 10.0 x 184mm |
| 3.0 x 100mm | 5.0 x 132mm | |
| 3.5 x 112mm | 6.0 x 139mm | |

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 10 | **-8540K** |

## HSS Extra Length Drill Set

HSS

Used for deep hole drilling in most materials. (Not suitable for the drilling of holes in crankshafts.) Manufactured to **BS 328 : Part 1 : 1986**.

6 PIECES

**mm**
**3.0 ~ 10.0**

| | |
|---|---|
| 3.0 x 160mm | 6.0 x 200mm |
| 4.0 x 160mm | 8.0 x 250mm |
| 5.0 x 200mm | 10.0 x 250mm |

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 6 | **-8600K** |

## HSS Ground Flute Jobber Drill Set

General purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite. Industrial quality. Ground flute, blue finish. Supplied in indexing metal cases.
Point angle: 118
Helix angle: normal
Web thickness: standard
Relief angle: 10-20
Tolerance of diameter: h8
Tolerance of shank: f11.
Manufactured to **BS328 : Part 1 DIN 338N & ANSI B94 - 11M.**
Set contains: Gauge 1-60.

60 PIECES

**GAUGE**
No.1 to 60
Inclusive

| Number of Pieces | Order Code SHR-025 |
|---|---|
| 60 | **-8880K** |

**PRECISION POWER FOR EVERY JOB**

Do not compromise. Choose Kobe for unparalleled performance and reliability. Your projects deserve nothing less than the best.

Ready to take your work to the next level? Discover the Kobe difference today and experience excellence at your fingertips!

**Power. Precision. Perfection.**

KOBE™

## HSS Jobber Drills Inch/Metric - Bright Finish

HSS

General purpose drills for steels, cast steel, grey cast iron, malleable cast iron, nickel brass, aluminium alloy and graphite.
Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: 10° - 20°, tolerance of diameter: h8, tolerance of shank: f11.

Manufactured to **BS 328/DIN338RN**.

**Bright Finish**
Drills with a bright finish are supplied in the as-ground condition and such tools are used generally in the machining of non-ferrous materials.

PRICED PER 1

DIN 338 BS 328 For Dimensions See Pages 31 - 32

| Dia. (mm) | Order Code SHR-025 |
|---|---|
| 2 | -4922A |
| 2.5 | -4923B |
| 3 | -4924C |
| 3.2 | -4925D |
| 3.3 | -4926E |
| 3.5 | -4927F |
| 4 | -4928G |
| 4.2 | -4929H |
| 5 | -4930J |
| 6 | -4931K |
| 7.6 | -4819Y |
| 7.7 | -4820Z |
| 7.8 | -4821A |
| 7.9 | -4822B |
| 8 | -4932L |
| 8.1 | -4824D |
| 8.4 | -4827G |
| 8.6 | -4829J |
| 8.9 | -4832M |
| 9.2 | -4835Q |
| 9.3 | -4836R |
| 9.7 | -4840W |
| 9.8 | -4841X |

| Dia. (mm) | Order Code SHR-025 |
|---|---|
| 9.9 | -4842Y |
| 10 | -4933M |
| 10.1 | -4844A |
| 10.3 | -4846C |
| 10.7 | -4848E |
| 10.8 | -4849F |
| 10.9 | -4850G |
| 11.2 | -4852J |
| 11.4 | -4853K |
| 11.7 | -4855M |
| 12 | -4934N |
| 12.1 | -4858Q |
| 12.2 | -4859R |
| 12.7 | -4863W |
| 12.9 | -4864X |
| 13.7 | -0240Z |
| 13.8 | -0241A |
| 14.25 | -0241D |
| 14.75 | -0241F |
| 15.25 | -0241H |
| 15.5 | -0241J |
| 15.75 | -0241K |

| Dia. (inch) | Order Code SHR-025 |
|---|---|
| 13/64" | -4885K |
| 7/32" | -4886L |
| 15/64" | -4887M |
| 17/64" | -4889P |
| 9/32" | -4890Q |
| 21/64" | -4893T |
| 11/32" | -4894V |
| 23/64" | -4895W |
| 3/8" | -4896X |
| 25/64" | -4897Y |
| 13/32" | -4898Z |
| 7/16" | -4899A |
| 29/64" | -4900B |
| 1/2" | -4901C |

## HSS Straight Shank Roll Forged Jobber Drills

- Constructed from HSS for enhanced durability and stability
- Roll-forged manufacturing provides an even and robust grain structure
- Precision-ground tips deliver smooth and accurate cuts
- Coated with black oxide to resist wear and reduce corrosion
- Includes a 118° point angle for precise and consistent results
- Ideal for drilling tasks on wood, plastics, carbon, and plain steels
- DIN 338 Type N

DIN 338 BS 328 For Dimensions See Pages 31 - 32

| Diameter | Order Code SHR-025 |
|---|---|
| 1/8" | -6542Z |
| 3/16" | -6543A |
| 1/4" | -6543B |
| 3/8" | -6543C |
| 1/2" | -6543D |
| 1.00mm | -6543E |
| 1.50mm | -6543F |
| 2.00mm | -6543G |
| 2.50mm | -6543H |
| 2.80mm | -6543J |
| 3.00mm | -6543K |
| 3.20mm | -6543L |
| 3.30mm | -6543M |
| 3.50mm | -6543N |

| Diameter | Order Code SHR-025 |
|---|---|
| 3.80mm | -6543Q |
| 4.00mm | -6543R |
| 4.20mm | -6543T |
| 4.50mm | -6543U |
| 4.80mm | -6543V |
| 5.00mm | -6543X |
| 5.20mm | -6543Y |
| 5.50mm | -6543Z |
| 6.00mm | -6544A |
| 6.20mm | -6544B |
| 6.50mm | -6544C |
| 6.80mm | -6544D |
| 7.00mm | -6544E |
| 7.50mm | -6544F |

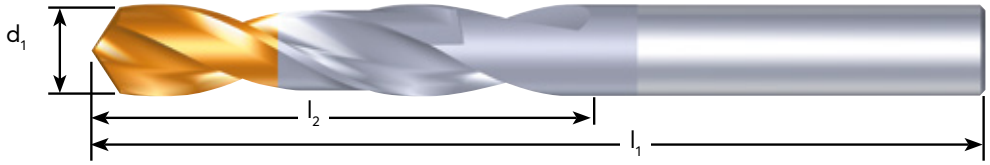
| Diameter | Order Code SHR-025 |
|---|---|
| 8.00mm | -6544G |
| 8.50mm | -6544H |
| 9.00mm | -6544J |
| 9.50mm | -6544K |
| 10.00mm | -6544L |
| 10.20mm | -6544M |
| 10.50mm | -6544N |
| 11.00mm | -6544P |
| 11.50mm | -6544Q |
| 12.00mm | -6544R |
| 12.50mm | -6544T |
| 13.00mm | -6544U |
| 14.00mm | -6544V |

# STUB DRILLS



## Dimensions - Stub Drills to BS 328 / DIN 1897

The majority of stub drills featured in this catalogue comply with the above standards in terms of overall and working dimensions. The tables of sizes below apply to all of these products. In order to save space in the catalogue we are not repeating these dimensions after this page. Any drills which are made to different standards/dimensions will have them printed accordingly in the tables for those products.




| d1 mm h8 | Inch | Inch Dec. | l2 mm | l1 mm |
|---|---|---|---|---|
| **0.50** | | 0.0196 | 3.0 | 20.0 |
| **0.60** | | 0.0236 | 3.5 | 21.0 |
| **0.70** | | 0.0275 | 4.5 | 23.0 |
| **0.79** | 1/32 | 0.0312 | 5.0 | 24.0 |
| **0.80** | | 0.0314 | 5.0 | 24.0 |
| **0.90** | | 0.0354 | 5.5 | 25.0 |
| **1** | | 0.0393 | 6.0 | 26.0 |
| **1.10** | | 0.0433 | 7.0 | 28.0 |
| **1.19** | 3/64 | 0.0468 | 8.0 | 30.0 |
| **1.20** | | 0.0472 | 8.0 | 30.0 |
| **1.30** | | 0.0511 | 8.0 | 30.0 |
| **1.40** | | 0.0551 | 9.0 | 32.0 |
| **1.50** | | 0.0590 | 9.0 | 32.0 |
| **1.59** | 1/16 | 0.0625 | 10.0 | 34.0 |
| **1.60** | | 0.0629 | 10.0 | 34.0 |
| **1.70** | | 0.0669 | 10.0 | 34.0 |
| **1.80** | | 0.0708 | 11.0 | 36.0 |
| **1.90** | | 0.0748 | 11.0 | 36.0 |
| **1.98** | 5/64 | 0.0779 | 12.0 | 38.0 |
| **2** | | 0.0787 | 12.0 | 38.0 |
| **2.10** | | 0.0826 | 12.0 | 38.0 |
| **2.20** | | 0.0866 | 13.0 | 40.0 |
| **2.25** | | 0.0885 | 13.0 | 40.0 |
| **2.30** | | 0.0905 | 13.0 | 40.0 |
| **2.38** | 3/32 | 0.0937 | 14.0 | 43.0 |
| **2.40** | | 0.0944 | 14.0 | 43.0 |
| **2.50** | | 0.0984 | 14.0 | 43.0 |
| **2.60** | | 0.1023 | 14.0 | 43.0 |
| **2.65** | | 0.1043 | 14.0 | 43.0 |
| **2.70** | | 0.1062 | 16.0 | 46.0 |
| **2.78** | 7/64 | 0.1094 | 16.0 | 46.0 |
| **2.80** | | 0.1102 | 16.0 | 46.0 |
| **2.90** | | 0.1141 | 16.0 | 46.0 |
| **3** | | 0.1181 | 16.0 | 46.0 |
| **3.10** | | 0.1220 | 18.0 | 49.0 |
| **3.18** | 1/8 | 0.1251 | 18.0 | 49.0 |
| **3.20** | | 0.1259 | 18.0 | 49.0 |
| **3.25** | | 0.1279 | 18.0 | 49.0 |
| **3.30** | | 0.1299 | 18.0 | 49.0 |
| **3.40** | | 0.1338 | 20.0 | 52.0 |
| **3.50** | | 0.1377 | 20.0 | 52.0 |
| **3.57** | 9/64 | 0.1405 | 20.0 | 52.0 |
| **3.60** | | 0.1417 | 20.0 | 52.0 |
| **3.70** | | 0.1456 | 20.0 | 52.0 |
| **3.80** | | 0.1496 | 22.0 | 55.0 |
| **3.90** | | 0.1535 | 22.0 | 55.0 |
| **3.97** | 5/32 | 0.1562 | 22.0 | 55.0 |
| **4** | | 0.1574 | 22.0 | 55.0 |
| **4.10** | | 0.1614 | 22.0 | 55.0 |
| **4.20** | | 0.1653 | 22.0 | 55.0 |
| **4.30** | | 0.1692 | 24.0 | 58.0 |
| **4.37** | 11/64 | 0.1720 | 24.0 | 58.0 |
| **4.40** | | 0.1732 | 24.0 | 58.0 |
| **4.50** | | 0.1771 | 24.0 | 58.0 |
| **4.60** | | 0.1811 | 24.0 | 58.0 |
| **4.70** | | 0.1850 | 24.0 | 58.0 |
| **4.76** | 3/16 | 0.1874 | 26.0 | 62.0 |
| **4.80** | | 0.1889 | 26.0 | 62.0 |
| **4.90** | | 0.1929 | 26.0 | 62.0 |
| **5** | | 0.1968 | 26.0 | 62.0 |
| **5.10** | | 0.2007 | 26.0 | 62.0 |
| **5.16** | 13/64 | 0.2031 | 26.0 | 62.0 |
| **5.20** | | 0.2047 | 26.0 | 62.0 |
| **5.30** | | 0.2086 | 26.0 | 62.0 |
| **5.40** | | 0.2125 | 28.0 | 66.0 |
| **5.50** | | 0.2165 | 28.0 | 66.0 |
| **5.56** | 7/32 | 0.2188 | 28.0 | 66.0 |
| **5.60** | | 0.2204 | 28.0 | 66.0 |
| **5.70** | | 0.2244 | 28.0 | 66.0 |
| **5.80** | | 0.2283 | 28.0 | 66.0 |
| **5.90** | | 0.2322 | 28.0 | 66.0 |
| **5.95** | 15/64 | 0.2342 | 28.0 | 66.0 |
| **6** | | 0.2362 | 28.0 | 66.0 |
| **6.10** | | 0.2401 | 31.0 | 70.0 |
| **6.20** | | 0.2440 | 31.0 | 70.0 |
| **6.30** | | 0.2480 | 31.0 | 70.0 |
| **6.35** | 1/4 | 0.2500 | 31.0 | 70.0 |
| **6.40** | | 0.2519 | 31.0 | 70.0 |
| **6.50** | | 0.2559 | 31.0 | 70.0 |
| **6.60** | | 0.2598 | 31.0 | 70.0 |
| **6.70** | | 0.2637 | 31.0 | 70.0 |
| **6.80** | | 0.2677 | 34.0 | 74.0 |
| **6.90** | | 0.2716 | 34.0 | 74.0 |
| **7** | | 0.2755 | 34.0 | 74.0 |
| **7.10** | | 0.2795 | 34.0 | 74.0 |
| **7.14** | 9/32 | 0.2811 | 34.0 | 74.0 |
| **7.20** | | 0.2834 | 34.0 | 74.0 |
| **7.30** | | 0.2874 | 34.0 | 74.0 |
| **7.40** | | 0.2913 | 34.0 | 74.0 |
| **7.50** | | 0.2952 | 34.0 | 74.0 |
| **7.60** | | 0.2992 | 37.0 | 79.0 |
| **7.70** | | 0.3031 | 37.0 | 79.0 |
| **7.80** | | 0.3070 | 37.0 | 79.0 |
| **7.90** | | 0.3110 | 37.0 | 79.0 |
| **7.94** | 5/16 | 0.3125 | 37.0 | 79.0 |
| **8** | | 0.3149 | 37.0 | 79.0 |
| **8.10** | | 0.3188 | 37.0 | 79.0 |
| **8.20** | | 0.3228 | 37.0 | 79.0 |
| **8.30** | | 0.3267 | 37.0 | 79.0 |
| **8.40** | | 0.3307 | 37.0 | 79.0 |
| **8.50** | | 0.3346 | 37.0 | 79.0 |
| **8.60** | | 0.3385 | 40.0 | 84.0 |
| **8.70** | | 0.3425 | 40.0 | 84.0 |
| **8.73** | 11/32 | 0.3437 | 40.0 | 84.0 |
| **8.80** | | 0.3464 | 40.0 | 84.0 |
| **8.90** | | 0.3503 | 40.0 | 84.0 |
| **9** | | 0.3543 | 40.0 | 84.0 |
| **9.10** | | 0.3582 | 40.0 | 84.0 |
| **9.20** | | 0.3622 | 40.0 | 84.0 |
| **9.30** | | 0.3661 | 40.0 | 84.0 |
| **9.40** | | 0.3700 | 40.0 | 84.0 |
| **9.50** | | 0.3740 | 40.0 | 84.0 |
| **9.53** | 3/8 | 0.3751 | 43.0 | 89.0 |
| **9.60** | | 0.3779 | 43.0 | 89.0 |
| **9.70** | | 0.3818 | 43.0 | 89.0 |
| **9.80** | | 0.3858 | 43.0 | 89.0 |
| **9.90** | | 0.3897 | 43.0 | 89.0 |
| **10** | | 0.3937 | 43.0 | 89.0 |
| **10.10** | | 0.3976 | 43.0 | 89.0 |
| **10.20** | | 0.4015 | 43.0 | 89.0 |
| **10.30** | | 0.4055 | 43.0 | 89.0 |
| **10.32** | 13/32 | 0.4062 | 43.0 | 89.0 |
| **10.40** | | 0.4094 | 43.0 | 89.0 |
| **10.50** | | 0.4133 | 43.0 | 89.0 |
| **10.60** | | 0.4173 | 43.0 | 89.0 |
| **10.70** | | 0.4212 | 47.0 | 95.0 |
| **10.80** | | 0.4251 | 47.0 | 95.0 |
| **10.90** | | 0.4291 | 47.0 | 95.0 |
| **11** | | 0.4330 | 47.0 | 95.0 |
| **11.10** | | 0.4370 | 47.0 | 95.0 |
| **11.11** | 7/16 | 0.4374 | 47.0 | 95.0 |
| **11.20** | | 0.4409 | 47.0 | 95.0 |
| **11.30** | | 0.4448 | 47.0 | 95.0 |
| **11.50** | | 0.4527 | 47.0 | 95.0 |
| **11.60** | | 0.4566 | 47.0 | 95.0 |
| **11.70** | | 0.4606 | 47.0 | 95.0 |
| **11.80** | | 0.4645 | 47.0 | 95.0 |
| **11.90** | | 0.4685 | 51.0 | 102.0 |
| **12** | | 0.4724 | 51.0 | 102.0 |
| **12.10** | | 0.4763 | 51.0 | 102.0 |
| **12.20** | | 0.4803 | 51.0 | 102.0 |
| **12.50** | | 0.4921 | 51.0 | 102.0 |
| **12.70** | 1/2 | 0.5000 | 51.0 | 102.0 |
| **13** | | 0.5118 | 51.0 | 102.0 |
| **13.50** | | 0.5314 | 54.0 | 107.0 |
| **14** | | 0.5511 | 54.0 | 107.0 |
| **14.29** | 9/16 | 0.5625 | 56.0 | 111.0 |
| **14.50** | | 0.5708 | 56.0 | 111.0 |
| **15** | | 0.5905 | 56.0 | 111.0 |
| **15.50** | | 0.6102 | 58.0 | 115.0 |
| **15.88** | 5/8 | 0.6251 | 58.0 | 115.0 |
| **16** | | 0.6299 | 58.0 | 115.0 |
| **16.50** | | 0.6496 | 60.0 | 119.0 |
| **17** | | 0.6692 | 60.0 | 119.0 |
| **17.46** | 11/16 | 0.6874 | 62.0 | 123.0 |
| **17.50** | | 0.6889 | 62.0 | 123.0 |
| **18** | | 0.7086 | 62.0 | 123.0 |
| **18.50** | | 0.7283 | 64.0 | 127.0 |
| **19** | | 0.7480 | 64.0 | 127.0 |
| **19.05** | 3/4 | 0.7500 | 66.0 | 131.0 |
| **19.50** | | 0.7677 | 66.0 | 131.0 |
| **20** | | 0.7874 | 66.0 | 131.0 |
| **20.50** | | 0.8070 | 68.0 | 136.0 |
| **20.64** | 13/16 | 0.8125 | 68.0 | 136.0 |
| **21** | | 0.8267 | 68.0 | 136.0 |
| **22** | | 0.8661 | 70.0 | 141.0 |
| **22.23** | 7/8 | 0.8751 | 70.0 | 141.0 |
| **23** | | 0.9055 | 72.0 | 146.0 |
| **23.81** | 15/16 | 0.9374 | 75.0 | 151.0 |
| **24** | | 0.9448 | 75.0 | 151.0 |
| **25** | | 0.9842 | 75.0 | 151.0 |
| **25.40** | 1" | 100 | 78.0 | 156.0 |
| **26.99** | 1 1/16 | 1.0625 | 81.0 | 162.0 |
| **28.58** | 1 1/8 | 1.1251 | 84.0 | 168.0 |
| **30.16** | 1 3/16 | 1.1874 | 87.0 | 174.0 |
| **31.75** | 1 1/4 | 1.2500 | 90.0 | 180.0 |

## Bright Stub Drills

Scan the QR code

## Black Oxide Stub Drills

Scan the QR code

# From start to finish

## Your No. 1 choice for abrasive supplies

A comprehensive range of abrasive products – all backed with expert knowledge and support.

Visit our website to find out more

Keeping Industry Working™

# STRAIGHT SHANK DRILLS



## HSS Heavy Duty Straight Shank Jobber Drills

HSS-Co 5%

The Sherwood range of HSS-Co heavy duty straight shank jobber drills offers durable and reliable cutting performance, boasting 5% cobalt alloy for enhanced strength and longevity in high-temperature, high-speed operations. These drills excel in drilling steels with tensile strength up to 1,400 N/mm², very hard bronze, stainless steels, as well as heat and acid-resistant steels. The cutting edges maintain sharpness for extended periods, minimising the need for frequent sharpening and maximising productivity, while also resisting corrosion effectively.

Manufactured to **BS 328, DIN 338B**.

### Metric

| Dia (mm) | Overall Length (mm) | Order Code SHR-026 |
|---|---|---|
| 1.00 | 34 | -1210A |
| 1.10 | 36 | -1212B |
| 1.20 | 38 | -1214C |
| 1.30 | 38 | -1216D |
| 1.40 | 40 | -1218E |
| 1.50 | 40 | -1220F |
| 1.60 | 43 | -1222G |
| 1.70 | 43 | -1224H |
| 1.80 | 46 | -1226J |
| 1.90 | 46 | -1228K |
| 2.00 | 49 | -1230L |
| 2.10 | 49 | -1232M |
| 2.20 | 53 | -1234N |
| 2.30 | 53 | -1236P |
| 2.40 | 57 | -1238Q |
| 2.50 | 57 | -1240R |
| 2.60 | 57 | -1242S |
| 2.70 | 61 | -1244T |
| 2.80 | 61 | -1246V |
| 3.00 | 61 | -1248W |
| 3.10 | 65 | -1250X |
| 3.20 | 65 | -1252Y |
| 3.30 | 65 | -1254Z |
| 3.40 | 70 | -1256A |
| 3.50 | 70 | -1258B |
| 3.60 | 70 | -1260C |
| 3.70 | 70 | -1262D |
| 3.80 | 75 | -1264E |
| 3.90 | 75 | -1266F |
| 4.00 | 75 | -1268G |
| 4.10 | 75 | -1270H |
| 4.20 | 75 | -1272J |
| 4.30 | 80 | -1274K |
| 4.50 | 80 | -1276L |
| 4.60 | 80 | -1278M |
| 4.70 | 80 | -1280N |
| 4.80 | 86 | -1282P |
| 4.90 | 86 | -1284Q |
| 5.00 | 86 | -1286R |
| 5.10 | 86 | -1288S |
| 5.20 | 86 | -1290T |
| 5.30 | 86 | -1292V |
| 5.50 | 93 | -1294W |
| 5.60 | 93 | -1296X |
| 5.70 | 93 | -1298Y |
| 5.80 | 93 | -1300Z |
| 6.00 | 93 | -1302A |
| 6.10 | 101 | -1304B |
| 6.20 | 101 | -1306C |
| 6.30 | 101 | -1308D |
| 6.50 | 101 | -1310E |
| 6.60 | 101 | -1312F |
| 6.70 | 101 | -1314G |
| 6.80 | 109 | -1316H |
| 7.00 | 109 | -1318J |
| 7.20 | 109 | -1320K |
| 7.50 | 109 | -1322L |
| 7.70 | 117 | -1324M |
| 8.00 | 117 | -1326N |
| 8.50 | 117 | -1328P |
| 9.00 | 125 | -1330Q |
| 9.50 | 125 | -1332R |
| 10.00 | 133 | -1334S |
| 10.20 | 133 | -1336T |
| 10.50 | 133 | -1338V |
| 11.00 | 142 | -1340W |
| 11.50 | 142 | -1342X |
| 12.00 | 151 | -1344Y |
| 12.50 | 151 | -1346Z |
| 13.00 | 151 | -1348A |

### INCH

| Dia (mm) | Overall Length (mm) | Order Code SHR-026 |
|---|---|---|
| 1/16" | 43 | -1364A |
| 5/64" | 49 | -1366B |
| 3/32" | 57 | -1368C |
| 7/64" | 61 | -1370D |
| 1/8" | 65 | -1372E |
| 9/64" | 79 | -1374F |
| 5/32" | 75 | -1376G |
| 11/64" | 80 | -1378H |
| 3/16" | 86 | -1380J |
| 7/32" | 93 | -1382K |
| 1/4" | 93 | -1384L |
| 17/64" | 109 | -1386M |
| 9/32" | 109 | -1388N |
| 5/16" | 117 | -1390P |
| 3/8" | 133 | -1392Q |

## HSS-Co 5% Taper Shank Drills

HSS-Co 5%

High heat resistant drill for drilling alloyed and unalloyed steels and castings with a tensile strength over 800N/mm². Especially suitable for hot and cold rolled steels as well as case hardening and heat treatable steels. Manufactured to Type N **DIN 345**.

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-026 |
|---|---|---|---|
| **1 Morse Taper** | | | |
| 10.00 | 87.0 | 168.0 | -1824W |
| 10.50 | 87.0 | 168.0 | -1824X |
| 11.00 | 94.0 | 175.0 | -1824Y |
| 12.00 | 101.0 | 182.0 | -1825A |
| 12.50 | 101.0 | 182.0 | -1825B |
| 13.00 | 101.0 | 182.0 | -1825C |
| 13.50 | 108.0 | 189.0 | -1825D |
| 14.00 | 108.0 | 189.0 | -1825E |
| 14.50 | 114.0 | 212.0 | -1825F |
| 15.00 | 114.0 | 212.0 | -1825G |
| 15.50 | 120.0 | 218.0 | -1825H |
| **2 Morse Taper** | | | |
| 16.00 | 120.0 | 218.0 | -1825J |
| 16.50 | 125.0 | 223.0 | -1825K |
| 17.00 | 125.0 | 223.0 | -1825L |
| 17.50 | 130.0 | 228.0 | -1825M |
| 18.00 | 130.0 | 228.0 | -1825N |
| 18.50 | 135.0 | 233.0 | -1825P |
| 19.00 | 135.0 | 233.0 | -1825Q |
| 20.00 | 140.0 | 238.0 | -1825S |
| 21.00 | 145.0 | 243.0 | -1825V |
| 22.00 | 150.0 | 248.0 | -1825X |
| **3 Morse Taper** | | | |
| 24.00 | 160.0 | 281.0 | -1826B |
| 25.00 | 160.0 | 281.0 | -1826D |
| 26.00 | 165.0 | 286.0 | -1826F |
| 28.00 | 170.0 | 291.0 | -1826K |
| 30.00 | 175.0 | 296.0 | -1826P |
| **4 Morse Taper** | | | |
| 32.00 | 185.0 | 334.0 | -1826T |

# STRAIGHT SHANK DRILLS



## HSS Straight Shank Roll Forged Drill Sets

NEW

- Roll-forged HSS construction enhances strength and longevity
- Ground tips ensure precise and efficient cutting performance
- Designed to work on various materials, including wood, plastics, and metals like carbon and stainless steel
- Contains a comprehensive range of drill sizes, increasing versatility
- Packaged in a robust metal case to keep drills organised and easily accessible

| Contents | Number of Pieces | Kod SHR-025 |
|---|---|---|
| 1-10mmx0.5mm | 51 | -0076X |

| Contents | Number of Pieces | Kod SHR-025 |
|---|---|---|
| 6-10mmX0.1mm | 41 | -0076Y |

| Contents | Number of Pieces | Kod SHR-025 |
|---|---|---|
| 1-13mmX0.5mm | 25 | -0076Z |

| Contents | Number of Pieces | Kod SHR-025 |
|---|---|---|
| 1-10mmX0.5mm | 19 | -0077A |

| Contents | Number of Pieces | Kod SHR-025 |
|---|---|---|
| 1-10mmX0.5mm | 170 | -0077B |

## Multi-Purpose Roll Forged Drill Set

- Six precision wood drills with self-aligning points for clean results in timber
- Six masonry drills with tungsten carbide tips, perfect for light building materials, ceramics, and tiles
- Six versatile HSS jobber drills with durable roll-forged flutes for reliable performance across multiple materials
- Available in sizes from 3-10mm, ensuring flexibility for different applications
- Supplied in a convenient storage case with a rotating selector for hassle-free organisation
- 6x wood drills from 3-10mm
- 6x masonry drills from 3-10mm
- 6x HSS Drills (Jobber) from 3-10mm

NEW

| Contents | Number of Pieces | Kod SHR-025 |
|---|---|---|
| 1-13mmX0.5mm | 18 | -0077C |

## HSS-Co Straight Shank Drill Sets

NEW

**Inch & Metric Sets**
Straight Shank.
Manufactured to **BS 328, DIN 338B**

x 0.5mm
1.0 ~ 10.0

x 1/32"
1/16" ~ 1/2"

| Type | Number of Pieces | Order Code SHR-026 |
|---|---|---|
| Metric | 19 | -1436D |
| Inch | 15 | -1440H |

# ENGINEER'S FILES

## KENNEDY Pro. Engineer's Hand Files Hand Files

Manufactured from T12 CH-Moly alloy tool steel, hardened and tempered. **BS498:1990 and American Federal Standard GGG-F325B.**

**Flat**

**Hand**

**Round**

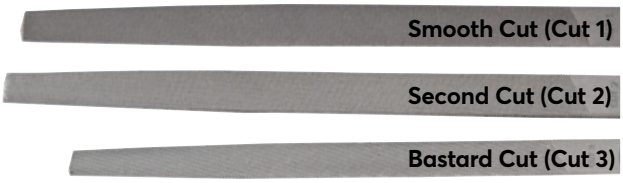
**Half Round**

Intelligent design for maximum control and reduced fatigue

| Overall Length | Shape | Smooth Order Code KEN-030 | Second Order Code KEN-030 | Bastard Order Code KEN-030 |
|---|---|---|---|---|
| 150mm (6") | Hand | -2060K | -2070K | -2080K |
| | Flat | -2160K | -2170K | -2180K |
| | Round | -2260K | -2270K | - |
| | Half Round | -2360K | -2370K | -2380K |
| | Square | - | -2470K | -2480K |
| 200mm (8") | Hand | -4060K | -4070K | -4080K |
| | Flat | -4160K | -4170K | -4180K |
| | Round | -4260K | -4270K | - |
| | Half Round | -4360K | -4370K | -4380K |
| | Square | - | -4470K | - |
| 250mm (10") | Hand | -6060K | -6070K | -6080K |
| | Flat | -6160K | -6170K | -6180K |
| | Round | -6260K | -6270K | - |
| | Half Round | -6360K | -6370K | -6380K |
| | Square | - | -6470K | - |

## KENNEDY Pro. Triangular 'Three-cut' Files with Handles

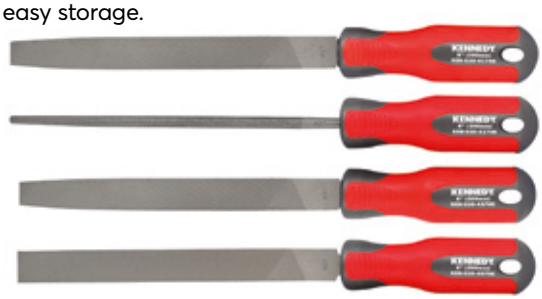
Each face has a different cut.
**Overall length:**
200mm (8").




| Cut | Shape | Order Code KEN-030 |
|---|---|---|
| Smooth Second Bastard | Triangular | -4540K |

## KENNEDY Pro. Engineer's File Sets

Contains Hand, Flat, Round and Half Round files. In a woven wallet for easy storage.




| Overall Length | Cut | Order Code KEN-030 |
|---|---|---|
| 150mm (6") | Second | -9740K |
| 200mm (8") | | -9760K |
| 250mm (10") | | -9780K |

## KENNEDY Pro. Industrial Quality Engineer's Hand Files

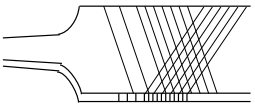
Available in a comprehensive range of shapes and sizes.
**BS 498 : 1990 and American Federal Standard GGG-f-325b.**

**Bastard Cut**

**Second Cut**

**Smooth Cut**

**Double Cut**
Two sets of diagonal rows of teeth used with heavier pressure than single cut remove material faster from the workpiece.



**Flat** - Edges taper towards front. Applications as for hand files. Preferred where taper allows access into tight corners and angles. For general work on iron, steel, etc.

**Hand** - Parallel edges, one edge uncut. For flat filing, corner filing and deburring. Multi-purpose and for other work where a 'safe' or uncut edge is needed. Double cut.

**Round** - Diameter tapers towards point. Suitable for internal and external concave surfaces.



**Half-Round** - Edges and surfaces taper towards point. Dual application; suitable for concave surfaces and flat filing. For rapid removal of metal.

**Square** - Parallel edges, surfaces taper towards point. For groove, rectangular hole and internal corner filing. Preferable to a Flat File because of its heavier section.



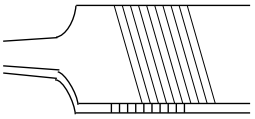
**Three Square** - Equilateral section (60° angles). Tapered towards point. For filing acute angles, internal corners and flat filing, clearing out square corners.

**Knife** - Two equal surfaces, tapered to knife point. For filing and deburring narrow grooves, slits and gear-teeth. Used principally by tool and die makers on work having acute angles.

**Warding** - Parallel surfaces, edges tapered to a point. For narrow grooves, keyways, slots etc.
Warding Files are used by locksmiths in repairing or filing ward notches in keys.
Also suited for use in narrow spaces. All sides double cut.

**Pillar** - Parallel edges, surfaces tapered towards end. Narrow version of hand file. For use where access is restricted. These files are designed for millwrights and mechanics for use in enlarging key-ways, slots, etc., close to the shoulder.

**Single Cut**
Single set of parallel diagonal rows of teeth. Often used with light pressure to produce a smooth surface finish or put a keen edge on knives, shears and saws.



**Double Ended Saw** - Edges taper towards point. For filing and sharpening saws. Points are left uncut. Instead of having a tang, both ends are tapered. They are used for sharpening saws having a 60° angle. The teeth are cut from each end towards the centre.

**Taper Saw** - Edges taper towards point. For filing and sharpening hand saws. Points are left uncut.
Taper Saw
Files are used for filing every type of handsaw which have 60° angle teeth. These files are single cut with edges that are set and cut for filing the gullet between the saw teeth.



**Mill Saw** - Available with one or two round edges. Parallel edges, both edges cut for filing and sharpening saws.

## KENNEDY Industrial Quality Engineer's Hand Files - Handles Supplied Separately

Available in a comprehensive range of shapes and sizes. Manufactured to **BS 498 : 1990 and American Federal Standard GGG-f-325b.**

| Overall Length | Type | Smooth Cut Weight per 10 | Smooth Cut Order Code KEN-030 | Second Cut Weight per 10 | Second Cut Order Code KEN-030 | Bastard Cut Weight per 10 | Bastard Cut Order Code KEN-030 |
|---|---|---|---|---|---|---|---|
| 100mm (4") | Hand | 0.27kg | **-0010K** | 0.27kg | **-0020K** | 0.27kg | **-0030K** |
| | Flat | 0.27kg | **-0110K** | 0.26kg | **-0120K** | 0.26kg | **-0130K** |
| | Round | 0.09kg | **-0210K** | 0.09kg | **-0220K** | 0.09kg | **-0230K** |
| | Half Round | 0.29kg | **-0310K** | 0.29kg | **-0320K** | 0.29kg | **-0330K** |
| | Square | 0.10kg | **-0410K** | 0.10kg | **-0420K** | 0.12kg | **-0430K** |
| | 3 Square | 0.27kg | **-0510K** | 0.29kg | **-0520K** | 0.31kg | **-0530K** |
| | Warding | 0.11kg | **-0710K** | 0.12kg | **-0720K** | 0.12kg | **-0730K** |
| 150mm (6") | Hand | 0.73kg | **-2010K** | 0.73kg | **-2020K** | 0.77kg | **-2030K** |
| | Flat | 0.74kg | **-2110K** | 0.71kg | **-2120K** | 0.71kg | **-2130K** |
| | Round | 0.35kg | **-2210K** | 0.34kg | **-2220K** | 0.35kg | **-2230K** |
| | Half Round | 0.72kg | **-2310K** | 0.72kg | **-2320K** | 0.72kg | **-2330K** |
| | Square | 0.37kg | **-2410K** | 0.40kg | **-2420K** | 0.40kg | **-2430K** |
| | 3 Square | 0.86kg | **-2510K** | 0.82kg | **-2520K** | 0.82kg | **-2530K** |
| | Knife | 0.59kg | **-2610K** | 0.62kg | **-2620K** | 0.62kg | **-2630K** |
| | Warding | 0.35kg | **-2710K** | 0.36kg | **-2720K** | 0.36kg | **-2730K** |
| | Pillar | 0.35kg | **-2810K** | 0.35kg | **-2820K** | 0.36kg | **-2830K** |
| | Double Ended | | - | 0.33kg | **-2930K** | | - |
| | Taper Saw | | - | 0.88kg | **-2940K** | | - |
| 175mm (7") | Double Ended | | - | 0.34kg | **-3930K** | | - |
| 200mm (8") | Hand | 1.70kg | **-4010K** | 1.75kg | **-4020K** | 1.60kg | **-4030K** |
| | Flat | 1.35kg | **-4110K** | 1.35kg | **-4120K** | 1.35kg | **-4130K** |
| | Round | 0.60kg | **-4210K** | 0.60kg | **-4220K** | 0.60kg | **-4230K** |
| | Half Round | 1.50kg | **-4310K** | 1.50kg | **-4320K** | 1.55kg | **-4330K** |
| | Square | 0.81kg | **-4410K** | 0.85kg | **-4420K** | 0.83kg | **-4430K** |
| | 3 Square | 2.00kg | **-4510K** | 1.80kg | **-4520K** | 1.90kg | **-4530K** |
| | Knife | 1.35kg | **-4610K** | 1.40kg | **-4620K** | 1.30kg | **-4630K** |
| | Warding | 1.00kg | **-4710K** | 0.90kg | **-4720K** | 0.76kg | **-4730K** |
| | Pillar | 0.67kg | **-4810K** | 0.85kg | **-4820K** | 0.70kg | **-4830K** |
| | Millsaw | | - | 1.90kg | **-4920K** | | - |
| | Double Ended | | - | 0.50kg | **-4930K** | | - |
| | Taper Saw | | - | 0.72kg | **-4940K** | | - |
| 225mm (9") | Double Ended | | - | 0.75kg | **-5930K** | | - |
| 255mm (10") | Hand | 3.00kg | **-6010K** | 3.10kg | **-6020K** | 3.10kg | **-6030K** |
| | Flat | 2.90kg | **-6110K** | 2.90kg | **-6120K** | 2.70kg | **-6130K** |
| | Round | 1.30kg | **-6210K** | 1.30kg | **-6220K** | 1.25kg | **-6230K** |
| | Half Round | 2.55kg | **-6310K** | 2.55kg | **-6320K** | 2.60kg | **-6330K** |
| | Square | 1.60kg | **-6410K** | 1.70kg | **-6420K** | 1.75kg | **-6430K** |
| | 3 Square | 1.85kg | **-6510K** | 2.70kg | **-6520K** | 3.00kg | **-6530K** |
| | Millsaw | | - | 2.10kg | **-6910K** | | - |
| | Double Ended | | - | 0.97kg | **-6930K** | | - |
| 305mm (12") | Hand | 4.30kg | **-7010K** | 4.35kg | **-7020K** | 4.40kg | **-7030K** |
| | Flat | 4.20kg | **-7110K** | 4.30kg | **-7120K** | 4.50kg | **-7130K** |
| | Round | 2.50kg | **-7210K** | 2.40kg | **-7220K** | 2.45kg | **-7230K** |
| | Half Round | 4.60kg | **-7310K** | 4.35kg | **-7320K** | 4.40kg | **-7330K** |
| | Square | 3.20kg | **-7410K** | 3.25kg | **-7420K** | 1.40kg/5 | **-7430K** |
| | 3 Square | 4.50kg | **-7510K** | 4.95kg | **-7520K** | 4.55kg | **-7530K** |
| | 1 Round Edge Mill | | - | 1.20kg/5 | **-7910K** | | - |
| 355mm (14") | Hand | 3.70kg/5 | **-8010K** | 3.70kg/5 | **-8020K** | 3.40kg/5 | **-8030K** |
| | Flat | 2.23kg/5 | **-8110K** | 3.45kg/5 | **-8120K** | 3.30kg/5 | **-8130K** |
| | Round | 2.45kg/5 | **-8210K** | 2.50kg/5 | **-8220K** | 2.55kg/5 | **-8230K** |
| | Half Round | 2.90kg/5 | **-8310K** | 3.50kg/5 | **-8320K** | 3.55kg/5 | **-8330K** |
| | Square | | - | 3.00kg/5 | **-8420K** | 3.07kg/5 | **-8430K** |
| | 3 Square | | - | 3.35kg/5 | **-8520K** | 3.50kg/5 | **-8530K** |
| (16") | Hand | | - | | - | 5.30kg/5 | **-9030K** |
| | Flat | | - | 5.10kg/5 | **-9120K** | 5.00kg/5 | **-9130K** |
| | Half Round | | - | 4.85kg/5 | **-9320K** | | - |
| | Square | | - | | - | 4.45kg/5 | **-9430K** |

# ENGINEER'S FILES



## KENNEDY Engineer's Second Cut File Sets

**Contents (1 of each):**
flat, hand, round, half-round three-square and square.
Plus two file handles, supplied in PVC wallet.
Manufactured to **BS498 : 1990 & US Federal Standards**.

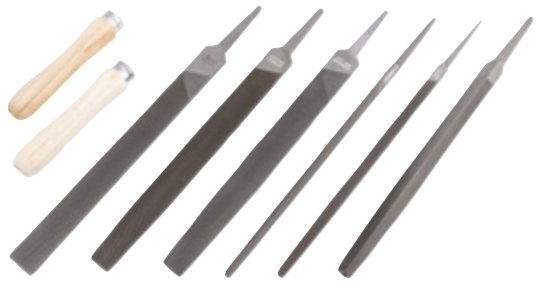
8 PIECES

| Number of Pieces | Set Size | Hile Size | Weight szt. | Order Code KEN-030 |
|---|---|---|---|---|
| 8 | 150mm (6") | 75mm (3") | 0.44kg | **-9860K** |
| 8 | 200mm (8") | 100mm (4") | 0.89kg | **-9880K** |
| 8 | 255mm (10") | 125mm (5") | 1.65kg | **-9900K** |

## KENNEDY Engineer's Double Cut File Set

Bastard cut one side and 2nd cut on other.
**Contents (1 of each):** three square, half round and round bastard cut files, flat, hand and square 'double cut'. 200mm (8").Supplied with two file handles in plastic wallet.

8 PIECES



| Number of Pieces | Order Code KEN-030 |
|---|---|
| 8 | **-9930K** |

## SENATOR QUALITY TOOLING Engineer's File Sets

A selection of popular engineer's files suitable for filing and deburring on a wide variety of materials. Double cut teeth for rapid metal removal. Ideal for workshop or garage. Manufactured to **BS498:1990** and American Federal Standard **GGG-F-3256**.

**Contents (1 of each):**
bastard cut hand, second cut
flat, round and half round.

4 PIECES

| Number of Pieces | Size | Order Code SEN-030 |
|---|---|---|
| 4 | 150mm (6") | **-9510K** |
| 4 | 200mm (8") | **-9520K** |
| 4 | 255mm (10") | **-9530K** |

## KENNEDY Second Cut File Set

**Contents (1 of each):**
- 3x 150mm flat files
- 3x 255mm flat files
- 2x 150mm half round file
- 2x 255mm half round file
- 1x 150mm round file
- 1x 255mm round file
- 1x 6-piece needle file set (supplied in a PVC wallet)

**Needle file set in PVC wallet.**

18 PIECES

| Number of Pieces | Order Code KEN-030 |
|---|---|
| 18 | **-9990K** |

## SENATOR QUALITY TOOLING Engineer's File Set

A selection of popular engineer's files suitable for filing and deburring on a wide variety of materials. Ideal for workshop or garage. Double cut teeth for rapid metal removal.

**Contents: (1 of each)**

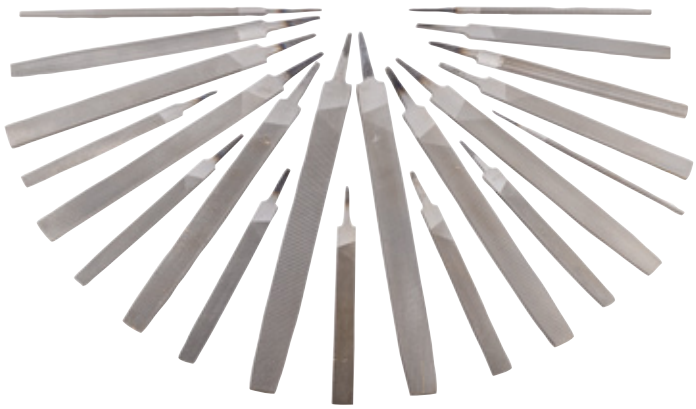
**150mm (6"):**
**Hand:** smooth, second.
**Flat:** smooth, second, bastard.
**Half Round:** second.
**Round:** bastard.

**200mm (8"):**
**Hand:** second.
**Flat:** second.
**Half Round:** second.
**Round:** second.

**255mm (10"):**
**Hand:** second, bastard.
**Flat:** smooth, second, bastard.
**Half Round:** second.
**Round:** bastard.

**305mm (12"):**
**Flat:** second, bastard.

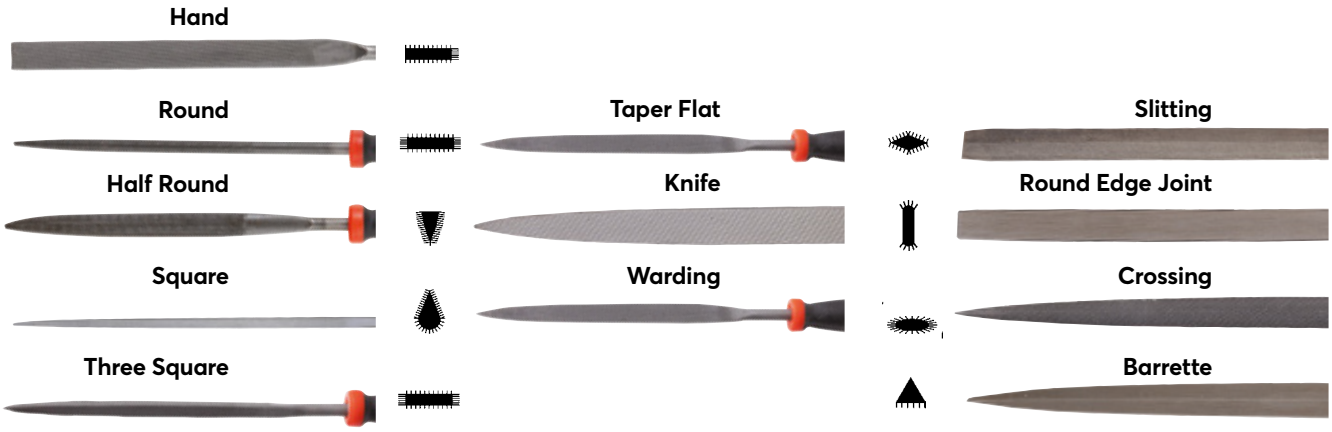
20 PIECES



| Number of Pieces | Order Code SEN-030 |
|---|---|
| 20 | **-9840K** |

## KENNEDY® Precision Hand Files Needle Pattern (Round Handle)

Available in 14cm and 16cm lengths and a complete range of shapes. Manufactured to **BS 498:1990**.




| Overall Length | Type | Weight per 10 | Cut 0 Order Code KEN-031 | Cut 2 Order Code KEN-031 | Cut 4 Order Code KEN-031 |
|---|---|---|---|---|---|
| 160mm (6½") | Hand | 80g | -6000K | -6020K | -6040K |
| | Round | 75g | -6200K | -6220K | -6240K |
| | Half Round | 75g | -6300K | -6320K | -6340K |
| | Square | 80g | -6400K | -6420K | - |
| | Three Square | 70g | -6500K | -6520K | -6540K |
| | Taper Flat | 70g | - | -6560K | - |
| | Knife | 70g | -6600K | -6620K | - |
| | Warding | 70g | -6700K | -6720K | - |
| | Crossing | 75g | - | -6920K | - |
| | Barrette | 80g | - | -6960K | - |

## KENNEDY® File Handles

Polypropylene file handles with integral hanging hole and covered with a ribbed rubber grip for increased purchase and added comfort.

**Available in three sizes:** 0, 1 and 2.

| Size | Suitable File Length (mm) | Order Code KEN-531 |
|---|---|---|
| No. 0 | 100 - 150 | -5000K |
| No. 1 | 200 - 250 | -5010K |
| No. 2 | 300 - 400 | -5020K |

## KENNEDY® Standard Wooden File Handles

Suitable for traditionally tanged engineer's files. With steel ferrule.

| Handle Length | Suitable File Length | Weight each | Order Code KEN-531 |
|---|---|---|---|
| 75mm | 4" - 6" | 20g | -5300K |
| 100mm | 8" | 25g | -5400K |
| 125mm | 10" | 45g | -5500K |
| 150mm | 12" - 16" | 60g | -5600K |

# NEEDLE/RIFFLER FILE



## KENNEDY® Needle File Sets

Supplied in PVC Wallet. Manufactured to **BS 498:1990. Cut 2.**

**6 Piece Set (1 of each):**
Flat, Hand, Half Round, Round, Square, Three Square

**12 Piece Set (1 of each):**
Hand, Flat, Knife, Round, Half Round, Square, Three Square, Crossing, R/Edge Joint, Slitting, Warding, Barrette.

| Number of Pieces | Weight each | Order Code **KEN-031** |
|---|---|---|
| | **Length - 140mm** | |
| 6 | 50g | **-5980K** |
| 12 | 120g | **-5990K** |
| | **Length - 160mm** | |
| 6 | 70g | **-6980K** |
| 12 | 150g | **-6990K** |

## KENNEDY® Riffler File Sets

**Set A 15cm - Cut 2**
**Contents (1 of each):**
900, 911, 914, 916, 918, 940, 952, 957, 981, 983, 985 and 987.

12 PIECES

| Number of Pieces | Weight Set | Order Code **KDY-031** |
|---|---|---|
| 12 | 310g | **-9110K** |

**Set B 15cm - Cut 2**
**Contents (1 of each):**
905, 913, 915, 917, 931, 943, 955, 963, 982, 984, 986 and 996.

12 PIECES

| Number of Pieces | Weight Set | Order Code **KDY-031** |
|---|---|---|
| 12 | 310g | **-9120K** |

## SENATOR® QUALITY TOOLING Needle File Sets

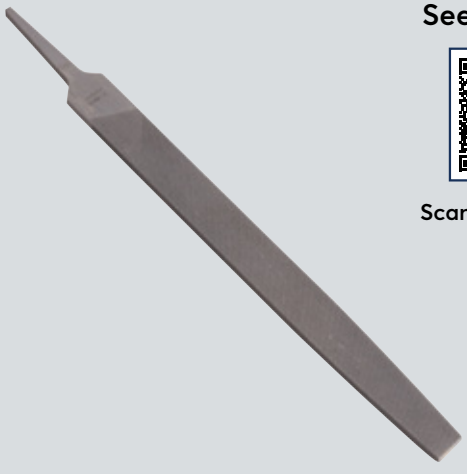
Supplied in PVC Wallet. Manufactured to **BS 498:1990.** Cut 2.

**6 Piece Set (1 of each):**
Warding, Hand, Half Round, Round, Square, Three Square.

**12 Piece Set (1 of each):**
Hand, Flat, Knife, Round, Half Round, Square, Three Square, Crossing, R/Edge Joint, Slitting, Warding, Barrette.

| Number of Pieces | Weight each | Order Code **SEN-031** |
|---|---|---|
| | **Length - 160mm** | |
| 6 | 50g | **-6980K** |
| 12 | 120g | **-6990K** |

## Files



See our range

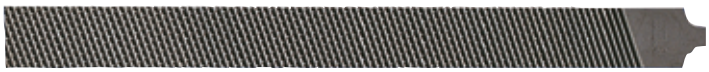
Scan the QR Code

## KENNEDY Milled Tooth Hand Files

Manufactured from alloy steel and featuring undercut teeth that produce a more aggressive cut than conventional files and require less operator effort. Suitable for use on a wide variety of materials including aluminium, steels, alloys, brass, copper, wood, plastics etc. Available as standard cut in four blade lengths and two tooth forms. Other styles are available on request.

**Please note:** Handles are not supplied as standard and should be ordered separately as required. Refer to page 756 for selection of handles

**Straight Tooth**

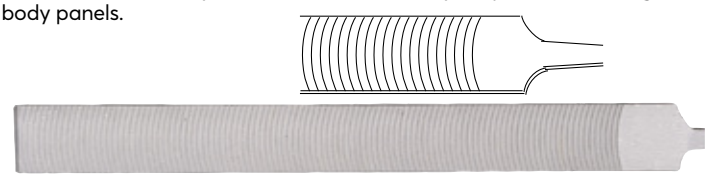


| Overall Length | Weight per 10 | Order Code KEN-032 |
|---|---|---|
| 200mm (8") | 1.30kg | **-2080K** |
| 255mm (10") | 2.10kg | **-2100K** |
| 305mm (12") | 2.90kg | **-2120K** |
| 355mm (14") | 5.30kg | **-2140K** |

## KENNEDY Curved Tooth Files

**Curved Cut**

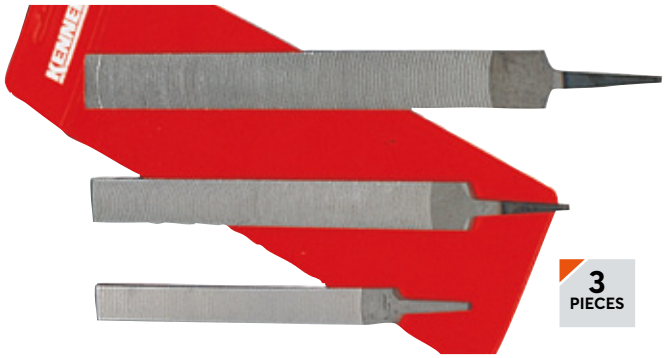
Teeth are arranged in curved contours across the file face. Normally used in automotive body shops for smoothing body panels.



| Overall Length | Weight per 10 | Order Code KEN-032 |
|---|---|---|
| 200mm (8") | 1.30kg | **-1080K** |
| 255mm (10") | 2.00kg | **-1100K** |
| 305mm (12") | 4.00kg | **-1120K** |
| 355mm (14") | 5.90kg | **-1140K** |

## KENNEDY Curved Tooth File Set

**Contents:** (1 of each) Flat, 200mm (8"), 255mm (10") and 305mm (12") standard cut.




| Ilość PIECES. | Weight szt. | Order Code KEN-032 |
|---|---|---|
| 3 | 765g | **-1830K** |

THE ULTIMATE AIR GRINDER FOR EVERY SPACE

Elevate your work with Kobe's ultra-compact air grinder.
Designed for precision and power in tight spaces.

Ideal for grinding, polishing, and deburring, this versatile tool ensures flawless results every time. Choose Kobe for unmatched performance and redefine your standards.

Power. Precision. Perfection.

KOBE™

Hand Rasps

Scan the QR code

# DIAMOND FILES



## SENATOR QUALITY TOOLING Diamond Needle File Set

**16cm**
150 grain (medium grade). With tapered handles.
Supplied in PVC wallet.
Suitable for light duty and workshop use.
**Contents:** hand, half round, three square, round, square and knife.

DIAMANT

6 PIECES

| Number of Pieces | Weight each | Order Code SEN-033 |
|---|---|---|
| 6 | 115g | -0600K |

## SENATOR QUALITY TOOLING Diamond Riffler & Needle File Set

**14cm**
Contains the most commonly used shapes, supplied in a vinyl wallet.
**Contents:** 1 of each needle file: flat, three square, slitting, and 1 of each style riffler: 985, 911, 905, 940, 952, 961 and 963.

10 PIECES

| Number of Pieces | Order Code SEN-033 |
|---|---|
| 10 | -2700K |

## KENNEDY Diamond Needle File Set

**16cm** 120/140 grain.
**Contents:** hand, half round, three square, round, square and knife.

DIAMANT

6 PIECES

| Number of Pieces | Weight each | Order Code KEN-033 |
|---|---|---|
| 6 | 60g | -0500K |

## KENNEDY Industrial Diamond Coated Needle Files

DIAMANT

**16cm**
Available in seven shapes and two grain sizes offering the solution to finishing problems where material hardness makes conventional files ineffective. Plated with finely selected diamond powder, 120 - 150 mesh. Can be used on tungsten carbide, ceramics, carbon, glass, fibreglass and hardened steels such as stainless steel, nimonics, titanium etc.

| Type | Weight per 6 | 120/140 Grain Order Code KEN-033 | 325/400 Grain Order Code KEN-033 |
|---|---|---|---|
| Hand | 70g | -0020K | -0220K |
| H/Round | 60g | -0040K | -0240K |
| 3 Square | 60g | -0060K | -0260K |
| Round | 60g | -0080K | -0280K |
| Square | 60g | -0100K | -0300K |
| Knife | 60g | -0120K | -0320K |
| Flat | 60g | -0140K | -0340K |

# HACKSAW & POWER SAW BLADES

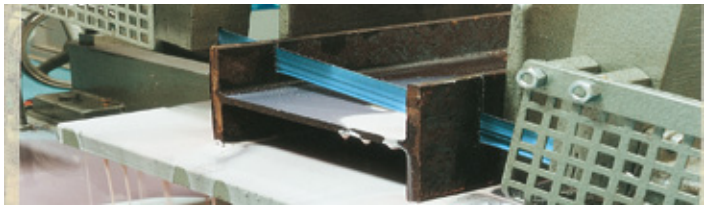


## KENNEDY HSS All Hard Power Saw Blades

Recommended for cutting thin cross-sections such as tubing, small bars and light angle iron. Because blades are relatively thin they should be used only on light machines.

**Power Saw Hacksaw Blade Tooth Recommendations**

| TPI | Suitable for Section Width |
|---|---|
| 18 | up to 13mm (up to ½") |
| 14 | 6 to 19mm (¼" to ¾") |
| 10 | 8 to 25mm (5/16" to 1) |
| 6 | 13 to 38mm (½" to 1 ½") |
| 4 | 19mm and above (¾" and above) |



| Length | Width | Thickness | TPI | Order Code KEN-040 |
|---|---|---|---|---|
| 12" | 5/8" | .032" | 18T | -4630K |
| 12" | 1" | .050" | 10T | -5030K |
| 12" | 1" | .050" | 14T | -5040K |
| 14" | 1" | .050" | 10T | -5130K |
| 14" | 1" | .050" | 14T | -5140K |
| 14" | 1¼" | .062" | 6T | -5200K |
| 14" | 1¼" | .062" | 10T | -5220K |
| 14" | 1¼" | .062" | 14T | -5230K |
| 16" | 1¼" | .062" | 6T | -5390K |
| 16" | 1¼" | .062" | 10T | -5410K |
| 16" | 1¼" | .062" | 14T | -5420K |
| 16" | 1½" | .062" | 4T | -5490K |
| 16" | 1½" | .062" | 6T | -5500K |
| 17" | 1¼" | .062" | 10T | -5530K |
| 18" | 1¼" | .062" | 6T | -5550K |
| 18" | 1¼" | .062" | 10T | -5570K |
| 18" | 1½" | .075" | 6T | -5650K |
| 20" | 1½" | .075" | 6T | -5750K |
| 21" | 1½" | .075" | 6T | -5770K |
| 21" | 1½" | .075" | 10T | -5790K |
| 21" | 1¾" | .088" | 6T | -5820K |
| 24" | 2" | .100" | 6T | -5960K |

## KENNEDY Junior Hacksaw Blades

- Manufactured from a low alloy steel to increase resistance to corrosion
- Supplied as a pack of 10 blades to ensure you always have an ample amount of spares to hand
- Ideal for use when cutting ferrous and non-ferrous metals with either a mini hand saw or junior hacksaw
- Conforms to **BS 6271 : 1990**
- Blades only, hacksaw těla sold separately

**-0620K**

10 PIECES

**-0650K**

10 PIECES

| Type | Length (mm) | TPI | Order Code KEN-040 |
|---|---|---|---|
| Metal | 150 | 32 | -0620K |
| Wood | 150 | 14 | -0650K |

## KENNEDY HSS All Hard Hacksaw Blades

Fully hardened for extra long tooth life and maximum straightness of cut. For use where workpiece is held securely in place. Made to **BS 1919 : Part 1: 1993**.

| Length | Width | Thickness | TPI | Order Code KEN-040 |
|---|---|---|---|---|
| 10" | ½" | .025 | 18T | -3130K |
| 10" | ½" | .025 | 24T | -3250K |
| 12" | ½" | .025 | 14T | -3510K |
| 12" | ½" | .025 | 18T | -3630K |
| 12" | ½" | .025 | 24T | -3750K |
| 12" | ½" | .025 | 32T | -3870K |

## KENNEDY Spare Tile Saw Blade

- Grit size: Medium
- For cutting and shaping ceramic tiles
- Overall length: 175mm (7")
- Pack of 10

| Length (mm) | Weight each | Order Code KEN-040 |
|---|---|---|
| 150 | 4g | -1400K |

## KENNEDY Flexible Back Bi-metal Hacksaw Blades

The perfect combination of shatter resistant spring steel, used as the backing material, and tough, wear-resistant HSS teeth - Electron-beam welded together. Ideal for interrupted cuts in cramped places or where the blade is subject to stress caused by twisting or bending. Provides optimum tooth strength/life and reduced breakage and fracture when compared to traditional all-hard blades.

**Made to BS 1919 : Part 1: 1993.**

| Length | Width | Thickness | TPI | Order Code KEN-040 |
|---|---|---|---|---|
| 10" | ½" | .025 | 18T | -2130K |
| 10" | ½" | .025 | 24T | -2250K |
| 10" | ½" | .025 | 32T | -2320K |
| 12" | ½" | .025 | 14T | -2510K |
| 12" | ½" | .025 | 18T | -2630K |
| 12" | ½" | .025 | 24T | -2750K |
| 12" | ½" | .025 | 32T | -2870K |

### TPI Selection Guide

| Group | Materials | Brinell Hardness HB | Rockwell Hardness HRC | Tensile Strength N/mm2 | Number of Teeth per Inch Section thickness or diameter Below 2mm | 2 - 5 mm | Above 5mm |
|---|---|---|---|---|---|---|---|
| 1.1 | Mild steel | <200 | - | <700 | 32 | 24 | 18 |
| 1.4 to 1.5 | Alloy steel & tool steel low to medium | <260 | <26 | <850 | 32 | 24 | 18 - 24 |
| 1.6 | High alloy steel | >340 | >36 | >1200 | 32 | 24 | 24 |
| 2.1 | Stainless steels | <290 | <30 | <1000 | 32 | 24 | 18 |
| 3.1 | Grey cast iron | <300 | - | - | 24 - 32 | 18 - 24 | 18 |
| 6.1 | Asbestos and copper | - | - | <500 | 24 - 32 | 18 - 24 | 18 |
| 6.3 | Brass and bronze | - | - | <500 | 24 - 32 | 18 - 24 | 18 |
| 7.1 | Aluminium | - | - | <500 | 24 - 32 | 18 - 24 | 18 |
| 8.1 | Hard plastic | - | - | - | 24 - 32 | 18 - 24 | 18 |

KENNEDY

CONSTANT PITCH FOR SHEET UP TO 3mm

## Constant Pitch Bi-Metal HSS Holesaws

For cutting thin sheet materials up to 3mm thick. For producing high quality holes in wood, steel, brass, bronze, cast iron, aluminium and plastic. Featuring a hardened HSS cutting edge welded to a tough alloy steel body. Heavy duty shatter-resistant construction.
**6 teeth per inch.**
**38mm (1½") cutting depth.**

| Holesaw Sizes | Use Arbor |
|---|---|
| 14 to 30mm | K1 or K4 |
| 32 to 210mm | K2 or K10 |

| Cutting Dia. | Weight each | Order Code KEN-050 |
|---|---|---|
| 14 (9/16") | 27g | -0140K |
| 16 (5/8") | 28g | -0160K |
| 17 (11/16") | 35g | -0170K |
| 19 (3/4") | 34g | -0190K |
| 20 (25/32") | 39g | -0200K |
| 21 (13/16") | 39g | -0210K |
| 22 (7/8") | 46g | -0220K |
| 24 (15/16") | 57g | -0240K |
| 25 (1") | 61g | -0250K |
| 27 (1 1/16") | 74g | -0270K |
| 29 (1 1/8") | 83g | -0290K |
| 30 (1 3/16") | 93g | -0300K |
| 32 (1 1/4") | 75g | -0320K |
| 33 (1 5/16") | 81g | -0330K |
| 35 (1 3/8") | 93g | -0350K |
| 37 (1 7/16") | 100g | -0370K |
| 38 (1 1/2") | 86g | -0380K |
| 40 (1 9/16") | 91g | -0400K |
| 41 (1 5/8") | 100g | -0410K |
| 43 (1 11/16") | 100g | -0430K |
| 44 (1 3/4") | 100g | -0440K |
| 46 (1 13/16") | 110g | -0460K |
| 48 (1 7/8") | 110g | -0480K |
| 51 (2") | 120g | -0510K |
| 52 (2 1/16") | 120g | -0520K |
| 54 (2 1/8") | 130g | -0540K |
| 56 (2 3/16") | 135g | -0560K |
| 57 (2 1/4") | 140g | -0570K |
| 59 (2 5/16") | 150g | -0590K |
| 60 (2 3/8") | 160g | -0600K |
| 64 (2 1/2") | 170g | -0640K |
| 65 (2 9/16") | 180g | -0650K |
| 67 (2 5/8") | 190g | -0670K |
| 68 (2 11/16") | 200g | -0680K |
| 70 (2 3/4") | 210g | -0700K |
| 73 (2 7/8") | 230g | -0730K |
| 76 (3") | 230g | -0760K |
| 79 (3 1/8") | 260g | -0790K |
| 83 (3 1/4") | 310g | -0830K |
| 86 (3 3/8") | 330g | -0860K |
| 89 (3 1/2") | 330g | -0890K |
| 92 (3 5/8") | 330g | -0920K |
| 95 (3 3/4") | 365g | -0950K |
| 102 (4") | 365g | -1020K |
| 105 (4 1/8") | 400g | -1050K |
| 108 (4 1/4") | 400g | -1080K |
| 111 (4 3/8") | 435g | -1110K |
| 114 (4 1/2") | 465g | -1140K |
| 121 (4 3/4") | 500g | -1210K |
| 127 (5") | 565g | -1270K |
| 133 (5 1/4") | 600g | -1330K |
| 140 (5 1/2") | 650g | -1400K |
| 152 (6") | 800g | -1520K |
| 168 (6 5/8") | 1000g | -1680K |
| 177 (6 31/32") | 1050g | -1770K |
| 210 (8 9/32") | 1200g | -1540K |

KENNEDY

VARIABLE PITCH FOR IMPROVED ACTION

## Variable Pitch Bi-Metal HSS Holesaws

For wood, steel, brass, bronze, cast iron, aluminium and plastic. Aggressive cutting action and M3 HSS cutting teeth to give a very smooth finish. Tooth life is greatly extended, as is battery life when used with a cordless drill.
**4 to 6 teeth per inch.**
**28.5mm (1 1/8") cutting depth.**

| Cutting Dia. | Weight each | Order Code KEN-050 |
|---|---|---|
| 14 (9/16") | 30g | -5140K |
| 16 (5/8") | 40g | -5160K |
| 17 (11/16") | 40g | -5170K |
| 19 (3/4") | 40g | -5190K |
| 20 (25/32") | 50g | -5200K |
| 21 (13/16") | 50g | -5210K |
| 22 (7/8") | 60g | -5220K |
| 24 (15/16") | 70g | -5240K |
| 25 (1") | 80g | -5250K |
| 27 (1 1/16") | 80g | -5270K |
| 29 (1 1/8") | 90g | -5290K |
| 30 (1 3/16") | 100g | -5300K |
| 32 (1 1/4") | 100g | -5320K |
| 33 (1 5/16") | 110g | -5330K |
| 35 (1 3/8") | 120g | -5350K |
| 37 (1 7/16") | 130g | -5370K |
| 38 (1 1/2") | 80g | -5380K |
| 40 (1 9/16") | 90g | -5400K |
| 41 (1 5/8") | 90g | -5410K |
| 43 (1 11/16") | 100g | -5430K |
| 44 (1 3/4") | 110g | -5440K |
| 46 (1 13/16") | 110g | -5460K |
| 48 (1 7/8") | 130g | -5480K |
| 51 (2") | 140g | -5510K |
| 52 (2 1/16") | 150g | -5520K |
| 54 (2 1/8") | 150g | -5540K |
| 56 (2 3/16") | 160g | -5560K |
| 57 (2 1/4") | 170g | -5570K |
| 59 (2 5/16") | 170g | -5590K |
| 60 (2 3/8") | 180g | -5600K |
| 64 (2 1/2") | 200g | -5640K |
| 65 (2 9/16") | 210g | -5650K |
| 67 (2 5/8") | 220g | -5670K |
| 68 (2 11/16") | 225g | -5680K |
| 70 (2 3/4") | 230g | -5700K |
| 73 (2 7/8") | 240g | -5730K |
| 76 (3") | 260g | -5760K |
| 79 (3 1/8") | 280g | -5790K |
| 83 (3 1/4") | 300g | -5830K |
| 86 (3 3/8") | 330g | -5860K |
| 89 (3 1/2") | 340g | -5890K |
| 92 (3 5/8") | 370g | -5920K |
| 95 (3 3/4") | 390g | -5950K |
| 102 (4") | 430g | -6020K |
| 105 (4 1/8") | 460g | -6050K |
| 108 (4 1/4") | 470g | -6080K |
| 111 (4 3/8") | 500g | -6110K |
| 114 (4 1/2") | 540g | -6140K |
| 121 (4 3/4") | 590g | -6210K |
| 127 (5") | 650g | -6270K |
| 133 (5 1/4") | 710g | -6330K |
| 140 (5 1/2") | 770g | -6400K |
| 152 (6") | 900g | -6520K |
| 168 (6 5/8") | 1060g | -6680K |
| 177 (6 31/32") | 1100g | -6770K |

KENNEDY

## Holesaw Arbors

Precision machined and threaded, guaranteeing a smooth secure fit to all popular brands of holesaws. Made from alloy steel. Suitable for use with all power tools.

**For Saw Sizes upto 32mm**

**K4** 6.5mm

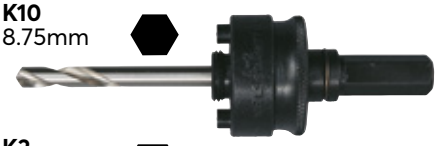
**K1** 8.75mm

**K1-SDS**
**Pilot supplied separately.**

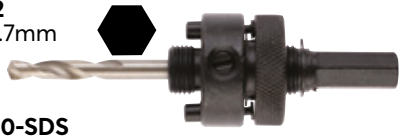
| Product Number | For Saw Size | Order Code KEN-050 |
|---|---|---|
| K4 | 14-30mm | -1750K |
| K1 | 14-30mm | -1600K |
| K1-SDS | 14-32mm | -1550K |

**For Saw Sizes upto 152mm**

**K10**
8.75mm



**K2**
12.7mm



**K10-SDS**
Pilot supplied separately.

| Product Number | For Saw Size | Order Code KEN-050 |
|---|---|---|
| K10 | 32-152mm | -1850K |
| K2 | 32-152mm | -1650K |
| K10-SDS | 33-152mm | -1560K |

KENNEDY

## Pilot Drills

HSS, ground flute.

**K14C**

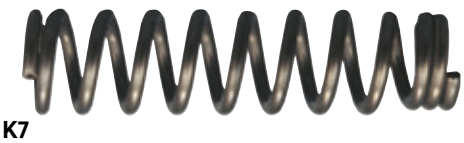
**K14D**

| Product Number | To Suit Arbors | Order Code KEN-050 |
|---|---|---|
| K14C | All except K4 | -1930K |
| K14D | K4 only | -1960K |

KENNEDY

## Ejector Spring

Manufactured from hardened spring steel. Presses over pilot to give quick release of core piece after cut.



**K7**

| Product Number | To Suit Saw Diameter | Order Code KEN-050 |
|---|---|---|
| K7 | 14 to 210mm | -1970K |

## KENNEDY Variable Pitch Bi-Metal HSS Holesaw Kits

For producing high quality holes in wood, steel, brass, bronze, cast iron, aluminium and plastic. Featuring a very aggressive cutting action and M3 HSS cutting teeth to give a very smooth finish. The varying tooth pitch gives substantial reductions in noise by disrupting harmonics produced when sawing materials such as tubing, angle etc. Tooth life is greatly extended, as is battery life when used with a cordless drill.
**4 to 6 teeth per inch. 28.5mm (1⅛") cutting depth.**

**Service Engineer's Kit**
**9 Piece**
Comprises of 22, 29, 35, 44, 51 and 64mm variable pitch bi-metal high speed steel holesaws with hardened cutting edges, K7 spring, K4 and K10 arbors with pilot drills.
Supplied in a robust plastic carry case.

VARIABLE PITCH FOR IMPROVED ACTION

9 PIECES

| Number of Pieces | Order Code KEN-050 |
|---|---|
| 9 | -2400K |

**Electrician's Kit**
**9 Piece**
Comprises of 16, 20, 25, 32, 40 and 51mm variable pitch bi-metal high speed steel holesaws with hardened cutting edges, K7 Spring, K1 and K10 arbors with pilot drills.
Supplied in a robust plastic carry case.

9 PIECES

| Number of Pieces | Order Code KEN-050 |
|---|---|
| 9 | -2300K |

## KENNEDY Tradesman's Compact Kits

High quality variable pitch bi-metal high speed steel holesaws with hardened cutting edges. Supplied in a handy storage tube. Ideal size to fit into power tool cases and tool boxes.

**5 Piece:** Comprises of 16, 20, 25 and 30mm holesaws with K1 arbor.

**11 Piece:** Comprises of 16, 19, 20, 22, 25, 30, 32, 38 and 51mm holesaws with K1 and K10 arbors.

5 PIECES

VARIABLE PITCH FOR IMPROVED ACTION

11 PIECES

**Storage tubes fit into power tool cases and tool boxes**

| Number of Pieces | Order Code KEN-050 |
|---|---|
| 5 | -2100K |
| 11 | -2500K |

## KENNEDY Constant Pitch Bi-Metal HSS Holesaw Kit

Featuring a constant pitch - First choice for cutting thin sheet materials up to 3mm thick. For producing high quality holes in wood, steel, brass, bronze, cast iron, aluminium and plastic. Featuring a hardened HSS cutting edge welded to a tough alloy steel body. Heavy duty shatter-resistant construction; virtually unbreakable.
**6 teeth per inch. 38mm (1½") cutting depth.**

**9 Piece Service Engineer's Kit**
Comprises of 22, 29, 35, 44, 51 and 64mm constant pitch bi-metal high speed steel holesaws with hardened cutting edges.
Complete with K4 and K10 arbors and K7 Spring.
Supplied in a robust plastic carry case.

9 PIECES

| Number of Pieces | Order Code KEN-050 |
|---|---|
| 9 | -2000K |

# SHANK MILLING CUTTERS/DRILLS



## KENNEDY Rotary Masonry Drill Bit Sets

**7 Piece - Standard Length**
**Standard Length:** No.6 x 75, No.8 x 85, No.10 x 85, No.10A x 100, No.12 x 100, No.16 x 120, No.20 x 120mm.

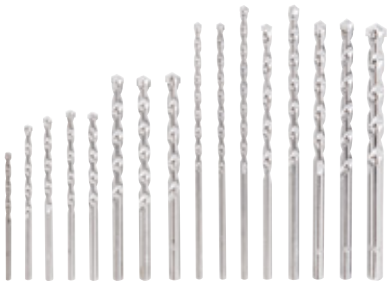
**7 Piece - Standard & Medium Length**
**Standard Length:**
No.10 x 85, No.12 x 100, No.14 x 100, No.16 x 120, No.20 x 120.
**Medium Length:**
No.24 x 150, No.26 x 150mm.

**16 Piece - Standard & Medium Length**
**Standard Length:**
No.6 x 75, No.8 x 85, No.10 x 85, No.10A x 100, No.14 x 100, No.16 x 120, No.18 x 120, No.20 x 120.
**Medium Length:**
No.8 x 150, No.10 x 150,No.10A x 150, No.14 x 150, No.16 x 150, No.18 x 150, No.20 x 150, No.24 x 150mm.

7 PIECES

7 PIECES

16 PIECES



| Number of Pieces | Order Code KEN-055 |
|---|---|
| 7 - Standard | -5070K |
| 7 - Standard & Medium | -5170K |
| 16 - Standard & Medium | -5320K |

## KENNEDY SDS-Style Fitting Drill Bit Sets

Tungsten carbide tipped and suitable for all SDS direct fitting hammer drills. High performance drill bits that withstand extreme heat generation ensuring maximum performance coupled with wear resistance. Manufactured to **DIN 8035**.

7 PIECES

**7 Piece**
5, 6 and 8mm x 110mm overall length.
6, 8, 10 and 12mm x 160mm overall length.

**9 Piece**
5, 5.5, 6 and 7mm x 160mm overall length.
8 x 210mm, 8 x 260mm,
12 x 216mm, 12 x 316mm,
16 x 250mm overall length.

9 PIECES

| Number of Pieces | Order Code KEN-057 |
|---|---|
| 7 | -7000K |
| 9 | -7020K |

## Shank Milling Cutters

See our range

Scan the QR code

## SHERWOOD QUALITY CUTTING TOOLS 4 Flute HSS-E Weldon Shank End Mills

HSS-E

NEW

- High-speed steel with cobalt (HSSE) construction ensures durability and wear resistance
- Compatible with spindle tooling holders for enhanced machining precision
- Tested by the manufacturer to guarantee quality and performance
- Compliance with DIN 844 and DIN 1835B standards ensuring reliability. Manufactured to **BS 328, DIN 338B**.

| Cutter Dia (mm) | Shank Dia (mm) | Flute Length (mm) | Order Code SHR-061 |
|---|---|---|---|
| 3.00 | 6 | 8 | -8001A |
| 4.00 | 6 | 11 | -8001B |
| 5.00 | 6 | 13 | -8001C |
| 6.00 | 6 | 13 | -8001D |
| 7.00 | 10 | 16 | -8001E |
| 8.00 | 10 | 19 | -8001F |
| 10.00 | 10 | 22 | -8001H |
| 11.00 | 12 | 22 | -8001J |
| 12.00 | 12 | 26 | -8001K |
| 13.00 | 12 | 26 | -8001L |
| 14.00 | 12 | 26 | -8001M |
| 15.00 | 12 | 26 | -8001N |
| 16.00 | 16 | 32 | -8001P |
| 17.00 | 16 | 32 | -8001Q |
| 18.00 | 16 | 32 | -8001R |
| 19.00 | 16 | 32 | -8001T |
| 20.00 | 20 | 38 | -8001U |
| 25.00 | 25 | 45 | -8001V |

| Cutter Dia (mm) | Shank Dia (mm) | Flute Length (mm) | Order Code SHR-061 |
|---|---|---|---|
| 3.00 | 6 | 12 | -8003A |
| 5.00 | 6 | 13 | -8003C |
| 6.00 | 6 | 13 | -8003D |
| 8.00 | 10 | 16 | -8003E |
| 12.00 | 12 | 22 | -8003H |
| 14.00 | 12 | 22 | -8003J |
| 16.00 | 16 | 26 | -8003K |
| 20.00 | 20 | 26 | -8003L |

## SHERWOOD QUALITY CUTTING TOOLS Straight Shank Machine Reamers

HSS

Left hand spiral flute, right hand cutting.
Manufactured to **BS 328-4**.

| Tolerances (to H7) | | | | | |
|---|---|---|---|---|---|
| Diameter Metric | Tolerance + | Tolerance - | Diameter Inch | Tolerance + | Tolerance - |
| up to 3.00 | 0.008 | 0.004 | up to 1/8" | 0.0003 | 0.0001 |
| Over 3.00 ~ up to 6.00 | 0.010 | 0.005 | Over 1/8" ~ up to 15/64" | 0.0004 | 0.0002 |
| Over 6.00 ~ up to 10.00 | 0.012 | 0.006 | Over 15/64" ~ up to 3/8" | 0.0005 | 0.0002 |
| Over 10.00 ~ up to 18.00 | 0.015 | 0.008 | Over 3/8" ~ up to 5/8" | 0.0006 | 0.0003 |

### METRIC

| Diameter (mm) | Flute Length (mm) | Overall Length | Order Code SHR-065 |
|---|---|---|---|
| 2.00 | 25.0 | 50.0 | -2220A |
| 3.00 | 31.0 | 62.0 | -2222C |
| 4.00 | 38.0 | 76.0 | -2224E |
| 5.00 | 44.0 | 87.0 | -2226G |
| 6.00 | 47.0 | 93.0 | -2228J |
| 7.00 | 54.0 | 107.0 | -2229K |
| 8.00 | 58.0 | 115.0 | -2230L |
| 9.00 | 62.0 | 124.0 | -2231M |
| 10.00 | 66.0 | 133.0 | -2232N |
| 11.00 | 71.0 | 142.0 | -2232R |
| 12.00 | 76.0 | 152.0 | -2233P |
| 13.00 | 78.0 | 152.0 | -2234Q |
| 14.00 | 81.0 | 163.0 | -2235R |

### INCH

| Diameter (inch) | Flute Length (mm) | Overall Length | Order Code SHR-065 |
|---|---|---|---|
| 1/16" | 13/16" | 1 3/4" | -2200A |
| 3/32" | 1 1/8" | 2 1/4" | -2201B |
| 1/8" | 1 5/16" | 2 5/8" | -2202C |
| 5/32" | 1 1/2" | 3" | -2204E |
| 3/16" | 1 3/4" | 3 7/16" | -2206G |
| 7/32" | 1 7/8" | 3 11/16" | -2208J |
| 1/4" | 2" | 3 15/16" | -2210L |
| 9/32" | 2 1/8" | 4 3/16" | -2211M |
| 5/16" | 2 1/4" | 4 1/2" | -2212N |
| 3/8" | 2 5/8" | 5 1/4" | -2214Q |
| 13/32" | 2 5/8" | 5 1/4" | -2215R |
| 7/16" | 2 13/16" | 5 5/8" | -2216S |
| 1/2" | 3" | 6" | -2217T |

## SHERWOOD QUALITY CUTTING TOOLS Cobalt Straight Shank Chucking Reamers

HSS-E

Manufactured to **DIN 212**.

| Tolerances (to H7) | | |
|---|---|---|
| Diameter Metric | Tolerance + | Tolerance - |
| Up to 5.50 | 0.004 | 0.000 |
| Over 5.50 | 0.005 | 0.000 |

### METRIC

| Diameter (mm) | Flute Length (mm) | Overall Length | Order Code SHR-065 |
|---|---|---|---|
| 2.00 | 11.0 | 49.0 | -2655K |
| 3.00 | 15.0 | 61.0 | -2659P |
| 4.00 | 19.0 | 75.0 | -2662S |
| 5.00 | 23.0 | 86.0 | -2664V |
| 6.00 | 26.0 | 93.0 | -2665W |
| 7.00 | 31.0 | 109.0 | -2666X |
| 8.00 | 33.0 | 117.0 | -2667Y |
| 9.00 | 36.0 | 125.0 | -2668Z |
| 10.00 | 38.0 | 133.0 | -2669A |
| 11.00 | 41.0 | 142.0 | -2670B |
| 12.00 | 44.0 | 151.0 | -2671C |
| 13.00 | 44.0 | 151.0 | -2672D |
| 14.00 | 47.0 | 160.0 | -2673E |
| 15.00 | 50.0 | 162.0 | -2674F |

## SHERWOOD QUALITY CUTTING TOOLS Taper Shank Machine Reamers

HSS

Used to produce a close tolerance surface finish by enlarging pre-drilled holes to a finished size. 45° bevelled lead.
Manufactured to **BS 328-4**.

| Diameter Metric | Tolerance + | Tolerance - | Diameter Inch | Tolerance + | Tolerance - |
|---|---|---|---|---|---|
| ~ up to 3.00 | 0.008 | 0.004 | Over 7/64" ~ up to 7/64" | 0.0003 | 0.0001 |
| Over 3.00 ~ up to 6.00 | 0.010 | 0.005 | Over 7/64" ~ up to 15/64" | 0.0004 | 0.0002 |
| Over 6.00 ~ up to 10.00 | 0.012 | 0.006 | Over 15/64" ~ up to 25/64" | 0.0005 | 0.0002 |
| Over 10.00 ~ up to 18.00 | 0.015 | 0.008 | Over 25/64 ~ up to 43/64" | 0.0006 | 0.0003 |
| Over 18.00 ~ up to 30.00 | 0.017 | 0.009 | Over 43/64 ~ up to 1 1/8" | 0.0007 | 0.0004 |
| Over 30.00 ~ up to 50.00 | 0.021 | 0.012 | Over 1 1/8" ~ up to 1 1/2" | 0.0008 | 0.0004 |
| Over 50.00 ~ up to 80.00 | 0.025 | 0.014 | Over 1 1/2" ~ up to 2" | 0.0010 | 0.0005 |
| Over 80.00 ~ up to 120.00 | 0.029 | 0.016 | | | |

### METRIC

| Dia. (mm) | Flute Length (mm) | Overall Length (mm) | Morse Taper | Order Code SHR-065 |
|---|---|---|---|---|
| 3.00 | 33.0 | 112.0 | 1 | -2350A |
| 4.00 | 38.0 | 117.0 | 1 | -2352C |
| 5.00 | 44.0 | 124.0 | 1 | -2354E |
| 6.00 | 47.0 | 127.0 | 1 | -2356G |
| 7.00 | 54.0 | 134.0 | 1 | -2358J |
| 8.00 | 58.0 | 124.0 | 1 | -2360L |
| 9.00 | 62.0 | 142.0 | 1 | -2362N |
| 10.00 | 66.0 | 134.0 | 1 | -2364Q |
| 11.00 | 71.0 | 151.0 | 1 | -2366S |
| 12.00 | 81.0 | 156.0 | 1 | -2368V |
| 13.00 | 76.0 | 156.0 | 1 | -2370X |
| 14.00 | 81.0 | 163.0 | 1 | -2372Z |
| 15.00 | 81.0 | 181.0 | 2 | -2375B |
| 16.00 | 87.0 | 187.0 | 2 | -2377D |
| 17.00 | 87.0 | 163.0 | 2 | -2379F |
| 18.00 | 93.0 | 193.0 | 2 | -2380G |
| 19.00 | 93.0 | 193.0 | 2 | -2381H |
| 20.00 | 100.0 | 200.0 | 2 | -2382J |
| 21.00 | 100.0 | 200.0 | 2 | -2383K |
| 22.00 | 107.0 | 207.0 | 2 | -2384L |
| 23.00 | 107.0 | 207.0 | 2 | -2385M |
| 24.00 | 115.0 | 242.0 | 3 | -2386N |
| 25.00 | 115.0 | 242.0 | 3 | -2387P |
| 30.00 | 124.0 | 251.0 | 3 | -2392V |

# REAMERS

## Straight Shank Parallel Hand Reamers

HSS

Used to produce a close tolerance surface finish by hand in almost any environment i.e. on site or in a workshop.
Manufactured to **BS 328-4 and DIN 206B**. Tolerance to **H7**.

### METRIC

| Diameter. (mm) | Flute Length | Overall Length | Order Code SHR-065 |
|---|---|---|---|
| 1.50 | 20.0 | 41.0 | **-2100A** |
| 2.00 | 25.0 | 50.0 | **-2103D** |
| 2.50 | 29.0 | 58.0 | **-2105F** |
| 3.00 | 31.0 | 62.0 | **-2107H** |
| 3.50 | 35.0 | 71.0 | **-2109K** |
| 4.00 | 38.0 | 76.0 | **-2110L** |
| 4.50 | 41.0 | 81.0 | **-2111M** |
| 5.00 | 44.0 | 87.0 | **-2112N** |
| 5.50 | 47.0 | 93.0 | **-2113P** |
| 6.00 | 47.0 | 93.0 | **-2114Q** |
| 6.50 | 50.0 | 100.0 | **-2115R** |
| 7.00 | 54.0 | 107.0 | **-2116S** |
| 7.50 | 54.0 | 107.0 | **-2117T** |
| 8.00 | 58.0 | 115.0 | **-2118V** |
| 8.50 | 58.0 | 115.0 | **-2119W** |
| 9.00 | 62.0 | 124.0 | **-2120X** |
| 9.50 | 62.0 | 124.0 | **-2121Y** |
| 10.00 | 66.0 | 133.0 | **-2122Z** |
| 10.50 | 66.0 | 133.0 | **-2124A** |
| 11.00 | 71.0 | 142.0 | **-2125B** |

| Diameter. (mm) | Flute Length | Overall Length | Order Code SHR-065 |
|---|---|---|---|
| 11.50 | 71.0 | 142.0 | **-2126C** |
| 12.00 | 76.0 | 152.0 | **-2127D** |
| 12.50 | 76.0 | 152.0 | **-2128E** |
| 13.00 | 76.0 | 152.0 | **-2129F** |
| 13.50 | 81.0 | 163.0 | **-2130G** |
| 14.00 | 81.0 | 163.0 | **-2131H** |
| 14.50 | 90.0 | 163.0 | **-2132J** |
| 15.00 | 81.0 | 163.0 | **-2133K** |
| 16.00 | 87.0 | 175.0 | **-2134L** |
| 17.00 | 87.0 | 175.0 | **-2135M** |
| 18.00 | 93.0 | 188.0 | **-2136N** |
| 19.00 | 93.0 | 188.0 | **-2137P** |
| 20.00 | 100.0 | 201.0 | **-2138Q** |
| 22.00 | 107.0 | 215.0 | **-2140S** |
| 23.00 | 107.0 | 215.0 | **-2141T** |
| 24.00 | 115.0 | 231.0 | **-2142V** |
| 25.00 | 115.0 | 231.0 | **-2143W** |
| 30.00 | 124.0 | 247.0 | **-2148B** |

## Straight Shank Hand Taper Pin Reamers

HSS

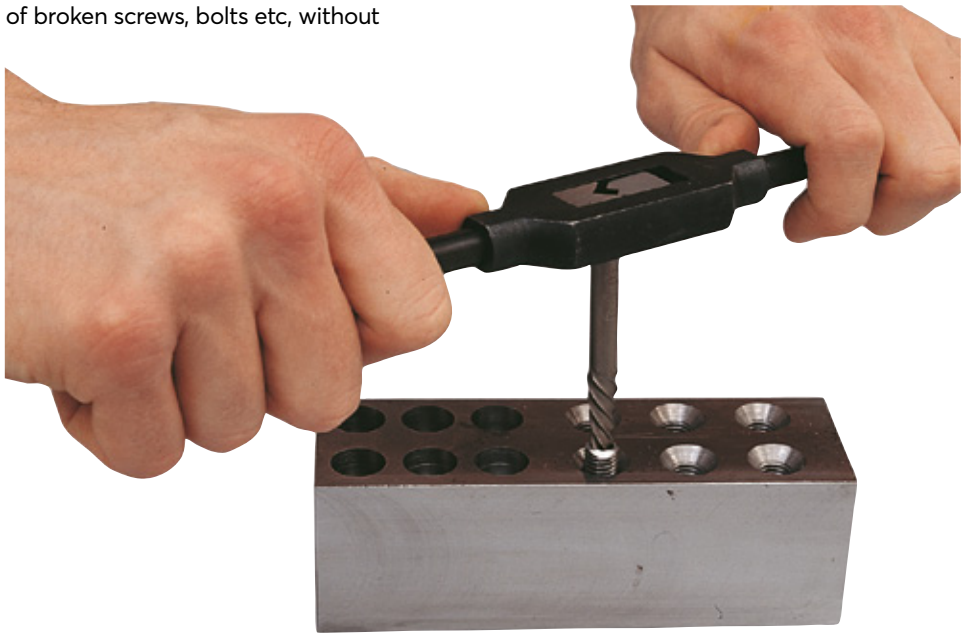
Used to produce a close tolerance surface finish in taper holes to allow the fitting of hardened and ground taper pins in the building of jigs, fixtures and dies.
Manufactured to **BS 328-4 and DIN 9A**.

| Tolerances | | | | | |
|---|---|---|---|---|---|
| **Diameter** Metric | **Tolerance** + | - | **Diameter** Inch | **Tolerance** + | - |
| Over 1.50 ~ up to 5.00 | 0.075 | 0.000 | Over 1/16" ~ up to 7/32" | 0.0003 | 0.0000 |
| Over 5.00 ~ up to 20.00 | 0.125 | 0.000 | Over 7/32" ~ up to 7/8" | 0.0005 | 0.0000 |

| Diameter (mm) | Diameter Range Min | Diameter Range Max | Flute Length | Overall Length | Order Code SHR-065 |
|---|---|---|---|---|---|
| 2.00 | 1.9 | 2.86 | 48 | 68 | **-2801B** |
| 3.00 | 2.9 | 4.06 | 58 | 80 | **-2803D** |
| 4.00 | 3.9 | 5.26 | 38 | 93 | **-2804E** |
| 5.00 | 4.9 | 6.36 | 73 | 100 | **-2805F** |
| 6.00 | 5.9 | 8.00 | 105 | 135 | **-2806G** |
| 8.00 | 7.9 | 10.80 | 145 | 180 | **-2807H** |
| 10.00 | 9.9 | 13.40 | 175 | 215 | **-2808J** |
| 12.00 | 11.8 | 16.00 | 210 | 255 | **-2809K** |

## KENNEDY Industrial Quality Screw Extractors

Recommended for simple, low cost removal of broken screws, bolts etc, without damaging the threads of the component.



| Extractor Number | Inch diameter for removing screws sized | Weight each | Order Code KEN-075 |
|---|---|---|---|
| 1 | 3/32 to 5/32 | 40g | **-1010K** |
| 2 | 5/32 to 7/32 | 80g | **-1020K** |
| 3 | 7/32 to 9/32 | 160g | **-1030K** |
| 4 | 9/32 to 3/8 | 40g | **-1040K** |
| 5 | 3/8 to 5/8 | 70g | **-1050K** |
| 6 | 5/8 to 7/8 | 130g | **-1060K** |
| 7 | 7/8 to 1 1/8 | 210g | **-1070K** |
| 8 | 1 1/8 to 1 3/8 | 410g | **-1080K** |
| 9 | 1 3/8 & above | 690g | **-1090K** |

**Screw Extractor Sets**
**4 Piece Sizes:** No. 2, 3, 4 and 5.
**6 Piece Sizes:** No. 1, 2, 3, 4, 5 and 6.

4 PIECES 6 PIECES

| No. of Pieces | Weight each | Order Code KEN-075 |
|---|---|---|
| 4 | 130g | **-1140K** |
| 6 | 250g | **-1160K** |

## Find us online

Navigating our website is made simple and easy to use. Optimised search and comparison for quick product selection.

Check product availability with ease. Once you've found your desired item, just click on it to see if it's in stock. Our real-time updates will let you know instantly if it's available for purchase.

Stay informed on pricing. List price shown making it easy for you to make purchasing decision.

Access detailed product information. For those who crave more knowledge, we provide comprehensive descriptions and downloadable technical documents to give you all the information you need to make an informed decision.

## SHERWOOD QUALITY CUTTING TOOLS Metric Coarse HSS Ground Thread Taps

### Straight Flute Individual Sizes

**ISO 529**

Page 64

**METRIC COARSE** **HSS**

(1) Diameter és pitch not mentioned in ISO

**Sets of Three**
1 each, taper, second and plug lead

| Size - Pitch (mm) | Thread Length | Overall Length | Shank Diameter | Weight each | Taper Order Code SHR-085 | Second Order Code SHR-085 | Plug Order Code SHR-085 | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|---|---|---|---|
| M1.0 x 0.25 | 5.5 | 38.5 | 2.50 | 3g | - | - | - | -0100D |
| M1.6 x 0.35 | 8.0 | 41.0 | 2.50 | 3g | - | - | - | -0130D |
| M2.0 x 0.40 | 8.0 | 41.0 | 2.50 | 3g | - | - | - | -0160D |
| M2.5 x 0.45 | 9.5 | 44.5 | 2.80 | 4g | - | - | - | -0200D |
| M3.0 x 0.50 | 11.0 | 48.0 | 3.15 | 4g | - | - | - | -0230D |
| M3.0 x 0.60(1) | 14.5 | 48.0 | 3.15 | 4g | - | - | - | -0240D |
| M3.5 x 0.60 | 13.0 | 50.0 | 3.55 | 4g | - | - | - | -0260D |
| M4.0 x 0.70 | 13.0 | 53.0 | 4.00 | 6g | - | - | - | -0280D |
| M4.5 x 0.75 | 12.0 | 53.0 | 4.50 | 6g | - | - | - | -0310D |
| M5.0 x 0.80 | 12.0 | 58.0 | 5.00 | 8g | -0330A | -0330B | -0330C | -0330D |
| M6.0 x 1.00 | 19.0 | 66.0 | 6.30 | 14g | -0370A | -0370B | -0370C | -0370D |
| M8.0 x 1.25 | 22.0 | 72.0 | 8.00 | 23g | -0410A | -0410B | -0410C | -0410D |
| M10.0 x 1.50 | 24.0 | 80.0 | 10.00 | 39g | -0450A | -0450B | -0450C | -0450D |
| M12.0 x 1.75 | 23.0 | 89.0 | 9.00 | 48g | -0480A | -0480B | -0480C | -0480D |
| M14.0 x 2.00 | 25.0 | 95.0 | 11.20 | 76g | -0510A | -0510B | -0510C | -0510D |
| M16.0 x 2.00 | 25.0 | 102.0 | 12.50 | 100g | -0530A | -0530B | -0530C | -0530D |
| M18.0 x 2.50 | 30.0 | 112.0 | 14.00 | 133g | -0550A | -0550B | -0550C | -0550D |
| M20.0 x 2.50 | 30.0 | 112.0 | 14.00 | 144g | -0570A | -0570B | -0570C | -0570D |
| M24.0 x 3.00 | 36.0 | 130.0 | 18.00 | 260g | -0610A | -0610B | -0610C | -0610D |
| M27.0 x 3.00 | 36.0 | 135.0 | 20.00 | 256g | - | - | - | -0640D |
| M30.0 x 3.50 | 42.0 | 138.0 | 20.00 | 380g | -0660A | -0660B | -0660C | -0660D |
| M36.0 x 4.00 | 48.0 | 162.0 | 25.00 | 646g | - | - | - | -0690D |

## SHERWOOD QUALITY CUTTING TOOLS Metric Fine HSS Ground Thread Taps

**HSS**

**METRIC FINE**

**ISO 529**
**Straight Flute Individual Sizes**

**Sets of Three**
1 each, taper, second and plug lead.

| Size - Pitch (mm) | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|
| **Metric Fine** | | | | |
| M3.0 x 0.35 | 11.0 | 48.0 | 3.15 | -0220D |
| M3.5 x 0.35 | 13.0 | 50.0 | 3.55 | -0250D |
| M4.0 x 0.50 | 13.0 | 53.0 | 4.00 | -0270D |
| M5.0 x 0.50 | 16.0 | 58.0 | 5.00 | -0320D |
| M6.0 x 0.75 | 19.0 | 66.0 | 6.30 | -0360D |
| M8.0 x 1.00(1) | 19.0 | 72.0 | 8.00 | -0400D |
| M10.0 x 1.25(1) | 20.0 | 80.0 | 10.00 | -0440D |
| M12.0 x 1.25 | 29.0 | 89.0 | 9.00 | -0470D |
| M14.0 x 1.00 | 30.0 | 95.0 | 11.20 | -0485D |
| M14.0 x 1.50 | 30.0 | 95.0 | 11.20 | -0500D |
| M16.0 x 1.50 | 32.0 | 102.0 | 12.50 | -0520D |
| M18.0 x 1.50 | 45.0 | 95.0 | 14.00 | -0540D |
| M20.0 x 1.50 | 37.0 | 112.0 | 14.00 | -0560D |
| M24.0 x 2.00 | 45.0 | 130.0 | 18.00 | -0600D |
| M30.0 x 1.50 | 37.0 | 127.0 | 20.00 | -0645D |
| **ISO Metric Special Pitch** | | | | |
| M6.0 x 0.50 | 15.0 | 55.0 | 6.00 | -0355D |
| M8.0 x 0.75 | 19.0 | 72.0 | 8.00 | -0395D |
| M10.0 x 1.00(1) | 24.0 | 80.0 | 10.00 | -0430D |
| M12.0 x 1.50 | 29.0 | 89.0 | 9.00 | -0475D |
| M14.0 x 1.25 | 30.0 | 95.0 | 11.20 | -0490D |
| M16.0 x 1.00 | 32.0 | 102.0 | 12.50 | -0515D |
| M18.0 x 1.00 | 37.0 | 112.0 | 14.00 | -0535D |
| M20.0 x 1.00 | 37.0 | 112.0 | 14.00 | -0555D |
| M24.0 x 1.50 | 45.0 | 130.0 | 18.00 | -0595D |
| M25.0 x 1.50 | 45.0 | 130.0 | 18.00 | -0620D |

## SHERWOOD QUALITY CUTTING TOOLS UNC (Unified Coarse) HSS Ground Thread Taps

**HSS**

**UNC**

**ISO 529**

**Sets of Three**
1 each, taper, second and plug lead.

| Size - Pitch (mm) | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|
| No.4 x 40 | 11.0 | 48.0 | 3.15 | -0790D |
| No.6 x 32 | 13.0 | 50.0 | 3.55 | -0810D |
| No.8 x 32 | 13.0 | 53.0 | 4.50 | -0820D |
| No.10 x 24 | 16.0 | 58.0 | 5.00 | -0830D |
| No.12 x 24 | 17.0 | 62.0 | 5.60 | -0840D |
| 1/4" x 20 | 19.0 | 66.0 | 6.30 | -0850D |
| 5/16" x 18 | 22.0 | 72.0 | 8.00 | -0860D |
| 3/8" x 16 | 24.0 | 80.0 | 10.00 | -0870D |
| 7/16"x 14 | 25.0 | 85.0 | 8.00 | -0880D |
| 1/2" x 13 | 29.0 | 89.0 | 9.00 | -0890D |
| 9/16" x 12 | 30.0 | 95.0 | 11.20 | -0900D |
| 5/8" x 11 | 32.0 | 102.0 | 12.50 | -0910D |
| 3/4" x 10 | 37.0 | 112.0 | 14.00 | -0920D |
| 7/8" x 9 | 38.0 | 118.0 | 16.00 | -0930D |
| 1" x 8 | 45.0 | 130.0 | 18.00 | -0940D |

**Machine Taps**

See our range

Scan the QR code

## Metric Coarse HSS Ground Thread Taps

HSS

**Spiral Point/Gun Nose**

METRIC COURSE

| Size - Pitch (mm) | Shank Dia. | A/F Square | Order Code SHR-085 |
|---|---|---|---|
| 2.00 - 0.40 | 2.50 | 2.00 | -0160F |
| 2.50 - 0.45 | 2.80 | 2.24 | -0200F |
| 3.00 - 0.50 | 3.15 | 2.50 | -0230F |
| 3.50 - 0.60 | 3.55 | 2.80 | -0260F |
| 4.00 - 0.70 | 4.00 | 3.15 | -0280F |
| 5.00 - 0.80 | 5.00 | 4.00 | -0330F |
| 6.00 - 1.00 | 6.30 | 5.00 | -0370F |
| 8.00 - 1.25 | 8.00 | 6.30 | -0410F |
| 10.00 - 1.50 | 10.00 | 8.00 | -0450F |
| 12.00 - 1.75 | 9.00 | 7.10 | -0480F |
| 14.00 - 2.00 | 11.20 | 9.00 | -0510F |
| 16.00 - 2.00 | 12.50 | 10.00 | -0530F |
| 18.00 - 2.50 | 14.00 | 11.20 | -0550F |
| 20.00 - 2.50 | 14.00 | 11.20 | -0570F |
| 24.00 - 3.00 | 18.00 | 14.00 | -0610F |

## Metric Fine HSS Ground Thread Taps

HSS

**ISO 529**
**Spiral Point/Gun Nose**

METRIC COURSE

| Size - Pitch (mm) | Shank Diameter | A/F Square | Order Code SHR-085 |
|---|---|---|---|
| **Metric Fine** | | | |
| M5.0 x 0.50 | 5.00 | 4.00 | -0320E |
| M6.0 x 0.75 | 6.30 | 5.00 | -0360E |
| M8.0 x 1.00 | 8.00 | 6.30 | -0400E |
| M10.0 x 1.25 | 10.00 | 8.00 | -0440E |
| M14.0 x 1.50 | 11.20 | 9.00 | -0500E |
| M16.0 x 1.50 | 12.50 | 10.00 | -0520E |
| M18.0 x 1.50 | 14.00 | 11.20 | -0540E |
| M20.0 x 1.50 | 14.00 | 11.20 | -0560E |
| **ISO Metric Special Pitch** | | | |
| M10.0 x 1.00 | 10.00 | 8.00 | -0430E |
| M12.0 x 1.25 | 9.00 | 7.10 | -0470E |
| M12.0 x 1.50 | 9.00 | 7.10 | -0475E |

## UNC (Unified Coarse) HSS Ground Thread Taps

**ISO 529**
**Spiral Point/Gun Nose**

UNC HSS

| Size - Pitch | Shank Dia. | A/F Square | Order Code SHR-085 |
|---|---|---|---|
| No.4 x 40 | 3.15 | 2.50 | -0790E |
| No.6 x 32 | 3.55 | 2.80 | -0810E |
| No.8 x 32 | 4.50 | 3.55 | -0820E |
| No.10 x 24 | 5.00 | 4.00 | -0830E |
| 1/4" x 20 | 6.30 | 5.00 | -0850E |
| 5/16" x 18 | 8.00 | 6.30 | -0860E |
| 3/8" x 16 | 10.00 | 8.00 | -0870E |
| 1/2" x 13 | 9.00 | 7.10 | -0890E |
| 5/8" x 11 | 12.50 | 10.00 | -0910E |
| 3/4" x 10 | 14.00 | 11.20 | -0920E |
| 7/8" x 9 | 16.00 | 12.20 | -0930E |

## Metric Course HSS

METRIC COURSE HSS

| Size - Pitch (mm) | Shank Dia. | A/F Square | Order Code SHR-085 |
|---|---|---|---|
| M2.0 x 0.40 | 2.50 | 2.00 | -0160E |
| M2.5 x 0.45 | 2.80 | 2.24 | -0200E |
| M3.0 x 0.50 | 3.15 | 2.50 | -0230E |
| M3.5 x 0.60 | 3.55 | 2.80 | -0260E |
| M4.0 x 0.70 | 4.00 | 3.15 | -0280E |
| M5.0 x 0.80 | 5.00 | 4.00 | -0330E |
| M6.0 x 1.00 | 6.30 | 5.00 | -0370E |
| M8.0 x 1.25 | 8.00 | 6.30 | -0410E |
| M10.0 x 1.50 | 10.00 | 8.00 | -0450E |
| M12.0 x 1.75 | 9.00 | 7.10 | -0480E |
| M14.0 x 2.00 | 11.20 | 9.00 | -0510E |
| M16.0 x 2.00 | 12.50 | 10.00 | -0530E |
| M18.0 x 2.50 | 14.00 | 11.20 | -0550E |
| M20.0 x 2.50 | 14.00 | 11.20 | -0570E |
| M24.0 x 3.00 | 18.00 | 14.00 | -0610E |

**Spiral Flute**

HSS METRIC COURSE

| Size - Pitch (mm) | Shank Diameter | A/F Square | Order Code SHR-085 |
|---|---|---|---|
| **Metric Fine** | | | |
| M20.0 x 1.50 | 14.00 | 11.20 | -0560F |
| **ISO Metric Special Pitch** | | | |
| No.4 x 40 | 3.15 | 2.50 | -0790F |
| No.6 x 32 | 3.55 | 2.80 | -0810F |
| M5.0 x 0.50 | 5.00 | 4.00 | -0320F |
| 1/4" x 20 | 6.30 | 5.00 | -0850F |
| M8.0 x 1.00 | 8.00 | 6.30 | -0400F |
| 5/16" x 18 | 8.00 | 6.30 | -0860F |
| M10.0 x 1.00 | 10.00 | 8.00 | -0430F |
| M10.0 x 1.25 | 10.00 | 8.00 | -0440F |
| 3/8" x 16 | 10.00 | 8.00 | -0870F |
| M12.0 x 1.25 | 9.00 | 7.10 | -0470F |
| M12.0 x 1.50 | 9.00 | 7.10 | -0475F |
| 1/2" x 13 | 9.00 | 7.10 | -0890F |
| M14.0 x 1.50 | 11.20 | 9.00 | -0500F |
| M16.0 x 1.50 | 12.50 | 10.00 | -0520F |
| 5/8" x 11 | 12.50 | 10.00 | -0910F |
| M18.0 x 1.50 | 14.00 | 11.00 | -0540F |
| 3/4" x 10 | 14.00 | 11.20 | -0920F |

## UNF (Unified Fine) HSS Ground Thread Taps

**Spiral Point/Gun Nose**

UNF HSS

| Size - Pitch | Shank Dia. | A/F Square | Order Code SHR-085 |
|---|---|---|---|
| No.10 x 32 | 5.00 | 4.00 | -1090E |
| No.12 x 28 | 5.60 | 4.50 | -1100E |
| 1/4" x 28 | 6.30 | 5.00 | -1110E |
| 5/16" x 24 | 8.00 | 6.30 | -1120E |
| 3/8" x 24 | 10.00 | 8.00 | -1130E |
| 7/16" x 20 | 8.00 | 6.30 | -1140E |
| 1/2" x 20 | 9.00 | 7.10 | -1150E |
| 9/16" x 18 | 11.20 | 9.00 | -1160E |
| 5/8" x 18 | 12.50 | 10.00 | -1170E |
| 3/4" x 16 | 14.00 | 11.20 | -1180E |

**Spiral Flute**

UNF HSS

| Size - Pitch | Shank Dia. | A/F Square | Order Code SHR-085 |
|---|---|---|---|
| No.10 x 32 | 5.00 | 4.00 | -1090F |
| 1/4" x 28 | 6.30 | 5.00 | -1110F |
| 5/16" x 24 | 8.00 | 6.30 | -1120F |
| 3/8" x 24 | 10.00 | 8.00 | -1130F |
| 7/16" x 20 | 8.00 | 6.30 | -1140F |
| 1/2" x 20 | 9.00 | 7.10 | -1150F |
| 5/8" x 18 | 12.50 | 10.00 | -1170F |
| 3/4" x 16 | 14.00 | 11.20 | -1180F |

## BSPT (British Standard Pipe Taper) HSS Ground Thread Taps

**ISO 529**
**Straight élű**

BSPT HSS

| Size - Pitch | Thread Length | Shank Diameter | Overall Length | Plug Order Code SHR-085 |
|---|---|---|---|---|
| 1/8" x 28 | 15.0 | 8.0 | 59.0 | -2200C |
| 1/4" x 19 | 19.0 | 10.0 | 67.0 | -2210C |
| 3/8" x 19 | 21.0 | 12.5 | 75.0 | -2220C |
| 1/2" x 14 | 26.0 | 16.0 | 87.0 | -2230C |
| 3/4" x 14 | 28.0 | 20.0 | 96.0 | -2240C |
| 1" x 11 | 33.0 | 25.0 | 109.0 | -2250C |

## NPT (National Pipe Taper) HSS Ground Thread Taps

**ANSI 94.9**
**Straight Flute**

NPT HSS

**Left Hand Also Available**

| Size - Pitch | Thread Length | Shank Diameter | Overall Length | Order Code SHR-085 |
|---|---|---|---|---|
| 1/16" x 27 | 11/16" | 0.312 | 2 1/8" | -3010C |
| 1/8" x 27 | 3/4" | 0.437 | 2 1/8" | -3020C |
| 1/4" x 18 | 11/16" | 0.562 | 2 7/16" | -3030C |
| 3/8" x 18 | 11/16" | 0.700 | 2 9/16" | -3040C |
| 1/2" x 14 | 1 3/8" | 0.687 | 3 1/8" | -3050C |
| 3/4" x 14 | 1 3/8" | 0.906 | 3 1/4" | -3060C |
| 1" x 11.5 | 1 3/4" | 1.125 | 3 3/4" | -3070C |

## Straight Flute Individual Sizes

HSS

**METRIC COARSE**

(1) Diameter and pitch not mentioned in ISO.

| Size Pitch (mm) | Thread Length | Overall Length | Shank Dia. | Taper. Order Code SHR-085 | Second Order Code SHR-085 | Plug Order Code SHR-085 |
|---|---|---|---|---|---|---|
| M36.0 x 4.00 | 48.0 | 162.0 | 25.00 | -0690A | -0690B | -0690C |

## UNF (Unified Fine) HSS Ground Thread Taps

**ISO 529**
**Straight Flute Individual Sizes**

UNF HSS

**Sets of Three**
1 each, taper, second and plug lead.

| Size - Pitch | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|
| 7/8" x 14 | 38.0 | 118.0 | 18.0 | -1190D |
| 1" x 12 | 45.0 | 130.0 | 18.0 | -1200D |

## BA (British Association) HSS Ground Thread Taps

**ISO 529**
**Straight Flute Individual Sizes**

BA HSS

**Sets of Three**
1 each, taper, second and plug lead.

| Size - Pitch | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|
| No.2 x 0.0319 | 5.00 | -1820D |
| No.4 x 0.0260 | 3.55 | -1840D |
| No.6 x 0.0209 | 2.80 | -1860D |

## UNC (Unified Coarse) HSS Ground Thread Taps

**ISO 529**
**Straight Flute Individual Sizes**

UNC HSS

**Sets of Three**
1 each, taper, second and plug lead.

| Size - Pitch (mm) | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|
| **Metric Fine** | | | | |
| M3.0 x 0.35 | 11.0 | 48.0 | 3.15 | -0800D |

## Metric Fine HSS Ground Thread Taps

**ISO 529**
**Straight Flute Individual Sizes**

HSS

**METRIC FINE**

**Sets of Three**
1 each, taper, second and plug lead.

| Size - Pitch (mm) | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|
| **ISO Metric Special Pitch** | | | | |
| M2.0 x 0.45 | 8.0 | 41.0 | 2.50 | -0170D |

## BSF (British Standard Fine) HSS Ground Thread Taps

**ISO 529**
**Straight Flute Individual Sizes**

BSF HSS

**Sets of Three**
1 each, taper, second and plug lead.

| Size - Pitch (mm) | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|
| 7/8" x 11 | 38.0 | 118.0 | 16.0 | -1700D |

## BSW (British Standard Whitworth) HSS Ground Thread Taps

**ISO 529**
**Straight Flute Individual Sizes**

BSW HSS

**Sets of Three**
1 each, taper, second and plug lead.

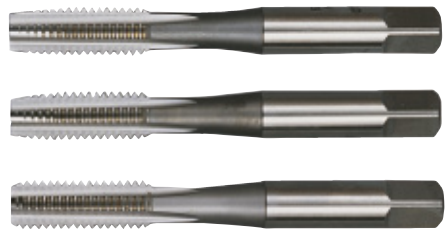
| Size - Pitch (mm) | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|
| 3/4" x 10 | 37.0 | 112.0 | 14.0 | -1440D |

# SHERWOOD QUALITY CUTTING TOOLS HSS Ground Thread Taps

**ISO 529**

**Sets of Three**
1 each, taper, second and plug lead.

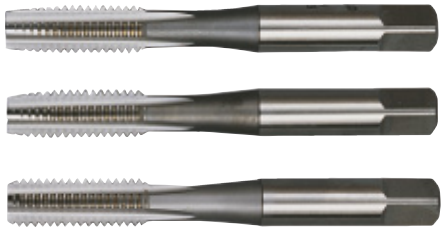
**UNF** **HSS**



| Size - Pitch | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|
| No.10 x 32 | 16.0 | 58.0 | 5.00 | -1090D |
| No.12 x 28 | 17.0 | 62.0 | 5.60 | -1110D |
| 5/16" x 24 | 19.0 | 69.0 | 8.00 | -1120D |
| 3/8" x 24 | 20.0 | 76.0 | 10.00 | -1130D |
| 7/16" x 20 | 25.0 | 85.0 | 8.00 | -1140D |
| 1/2" x 20 | 29.0 | 89.0 | 9.00 | -1150D |
| 9/16" x 18 | 30.0 | 95.0 | 11.20 | -1160D |
| 5/8" x 18 | 32.0 | 102.0 | 12.50 | -1170D |
| 3/4" x 16 | 37.0 | 112.0 | 14.00 | -1180D |

**Sets of Three**
1 each, taper, second and plug lead.

**BSW** **HSS**



| Size - Pitch | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|
| 1/8" x 40 | 16.0 | 48.0 | 3.15 | -1320D |
| 3/16" x 24 | 16.0 | 58.0 | 5.00 | -1340D |
| 1/4" x 20 | 19.0 | 66.0 | 6.30 | -1360D |
| 5/16" x 18 | 22.0 | 72.0 | 8.00 | -1370D |
| 3/8" x 16 | 24.0 | 80.0 | 10.00 | -1380D |
| 7/16" x 14 | 25.0 | 85.0 | 8.00 | -1390D |
| 1/2" x 12 | 29.0 | 89.0 | 9.00 | -1400D |
| 5/8" x 11 | 32.0 | 102.0 | 12.50 | -1420D |
| 3/4" x 10 | 37.0 | 112.0 | 14.00 | -1430D |
| 1" x 8 | 45.0 | 130.0 | 18.00 | -1450D |

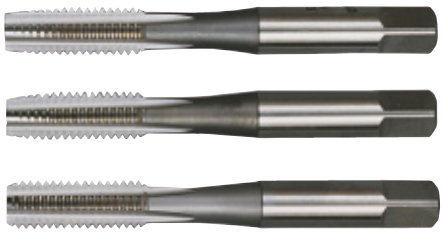
**Sets of Three**
1 each, taper, second and plug lead.

**BSP** **HSS**

| Size - Pitch | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|
| 1/8" x 28 | 15.0 | 59.0 | 8.0 | -2010D |
| 1/4" x 19 | 19.0 | 67.0 | 10.0 | -2020D |
| 3/8" x 19 | 21.0 | 75.0 | 12.5 | -2030D |
| 1/2" x 14 | 26.0 | 87.0 | 16.0 | -2040D |
| 5/8" x 14 | 26.0 | 91.0 | 18.0 | -2050D |
| 3/4" x 14 | 28.0 | 96.0 | 20.0 | -2060D |
| 1" x 11 | 33.0 | 109.0 | 25.0 | -2080D |

**Sets of Three**
1 each, taper, second and plug lead.

**LEFT HAND**
**METRIC COARSE** **HSS**



| Size - Pitch | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-087 |
|---|---|---|---|---|
| M4.0 x 0.70 | 13.0 | 53.0 | 4.00 | -0280P |
| M5.0 x 0.80 | 16.0 | 58.0 | 5.00 | -0330P |
| M6.0 x 1.00 | 19.0 | 66.0 | 6.30 | -0370P |
| M8.0 x 1.25 | 22.0 | 72.0 | 8.00 | -0410P |
| M10.0 x 1.50 | 24.0 | 80.0 | 10.00 | -0450P |
| M12.0 x 1.75 | 23.0 | 89.0 | 9.00 | -0480P |
| M14 x 2.00 | 25.0 | 95.0 | 11.2 | -0510P |
| M16.0 x 2.00 | 25.0 | 102.0 | 12.50 | -0530P |

**Sets of Three**
1 each, taper, second and plug lead.

**BSF** **HSS**

| Size - Pitch | Thread Length | Overall Length | Shank Diameter | Set of 3 Order Code SHR-085 |
|---|---|---|---|---|
| 1/4" x 26 | 19.0 | 66.0 | 6.3 | -1610D |
| 5/16" x 22 | 22.0 | 72.0 | 8.0 | -1630D |
| 3/8" x 20 | 24.0 | 80.0 | 10.0 | -1640D |
| 7/16" x 18 | 25.0 | 85.0 | 8.0 | -1650D |
| 1/2" x 16 | 29.0 | 89.0 | 9.0 | -1660D |
| 5/8" x 14 | 32.0 | 102.0 | 12.5 | -1680D |
| 3/4" x 12 | 37.0 | 112.0 | 14.0 | -1690D |

# THREADING SETS

## Metric Threading Set

HSS

METRIC COARSE

**M2 - M16:**
**HSS Ground Thread**
**Taper and Second Taps:**
M2 x 0.40, M3 x 0.50, M4 x 0.70, M5 x 0.80, M6 x 1.00, M8 x 1.25, M10 x 1.50 and M12 x 1.75. Manufactured to **ISO 529.**
**Bar Type Tap Wrenches:** 1/16" - 1/4" and 3/16" - 1/2".
**Tapping Drills to Suit:** 1.6, 2.5, 3.3, 4.2, 5.0, 6.8, 8.5 and 10.2mm. Made to **BS 328/DIN 338N.**
**13/16" O/D Split Dies:** M2 x 0.40, M3 x 0.50, M4 x 0.70, M5 x 0.80 and M6 x 1.00.
**1" O/D Split Dies:** M8 x 1.25 and M10 x 1.50.
Manufactured to **BS 1127.**
**Diestocks:** 13/16" O/D and 1" O/D.
**HSS Die Nuts:** M12 x 1.75 and M16 x 2.00.
Manufactured to **BS 1127.**

37 PIECES

| Range | Number of pieces | Order Code SHR-086 |
|---|---|---|
| M2 - M16 | 37 | -9990K |

## BSP(F) Threading Set

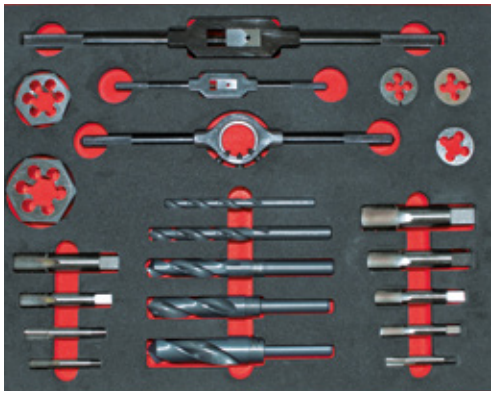
HSS

BSP

**HSSGT Straight Flute Taps:**
**Taper:** 1/8" x 28, 1/4" x 19, 3/8" x 19, 1/2" x 14.
**Second:** 3/4" x 14
**Plug:** 1/8" x 28, 1/4" x 19, 3/8" x 19, 1/2" x 14.
**Outside Diameter HSS Dies BSPF x 1 5/16":**
1/8" x 28, 1/4" x 19, 3/8" x 19
**BSPF HSS Hexagon Die Nut:** 1/2" x 14, 3/4" x 14
**HSS Straight Shank Jobber Drill:** 8.80mm, 11.80mm,
**Parallel Shank Drill 1/2":** 15.25mm, 19.00mm, 24.50mm
**Holders:** 1 5/16" Outside diameter Diestock.

1/16" - 1/4" &
1/4" - 3/4"
Traditional
Tap Wrenches.

22 PIECES



| Range | Number of pieces | Order Code SHR-086 |
|---|---|---|
| 1/8" - 3/4" BSP(F) | 22 | -9989K |

## UNC Threading Set

UNC

**No.10 - 3/4" UNC:**
**HSSGT Straight Flute Taps:**
**Taper and Plug:** No.10 x 24, 1/4" x 20, 5/16" x 18, 3/8" x 16.
**Second:** 7/16" x 14, 1/2" x 13, 5/8" x 11, 3/4" x 10.
**Bar Type Tap Wrenches:** 1/16" - 1/4" and 1/4" - 3/4".
**Tapping Drills to suit:** HSS S/S. 3.90, 5.10, 6.60, 8.00, 9.40, 10.80mm
**HSS 1" O/D Dies:** 1/4" x 20, 5/16" x 18, 3/8" x 16.
**Diestock:** 1" O/D.
**HSS Die Nuts:** 7/16" x 14, 1/2" x 13, 5/8" x 11, 3/4" x 10.

## UNF Threading Set

UNF

**No.10 - 3/4" UNF:**
**HSSGT Straight Flute Taps:**
**Taper and Plug:** No.10 x 32, 1/4" x 28, 5/16" x 24, 3/8" x 24.
**Second:** 3/4" x 16, 7/16" x 20, 5/8" x 18, 1/2" x 20.
**Bar Type Tap Wrenches:** 1/16" - 1/4" and 1/4" - 3/4".
**Tapping Drills to Suit:** HSS S/S. 4.10, 5.50, 6.90, 8.50, 9.50, 11.50mm
**HSS 1" O/D Dies:** 1/4" x 28, 5/16" x 24, 3/8" x 24.
**Diestock:** 1" O/D.
**HSS Die Nuts:** 7/16" x 20, 1/2" x 20, 5/8" x 18, 3/4" x 16.

28 PIECES

| Range | Number of Pieces | Order Code SHR-086 |
|---|---|---|
| 10 - 3/4"UNC | 28 | -9994K |
| 10 - 3/4" UNF | 28 | -9993K |

## BSW Threading Set

BSW

**3/16" - 3/4" BSW:**
**HSSGT Straight Flute Taps:**
**Taper:** 3/16" x 24, 1/4" x 20, 5/16" x 18, 3/8" x 16.
**Second:** 7/16" x 14, 1/2" x 12, 5/8" x 11, 3/4" x 10.
**Plug:** 3/8" x 16, 5/16" x 18, 1/4" x 20, 3/16" x 24.
**Bar Type Tap Wrenches:** 1/4" - 3/4" and 1/16" - 1/4".
**Tapping Drills to Suit:** HSS S/S. 3.70, 5.10, 6.50, 7.90, 9.30, 10.50mm
**HSS 1" O/D Dies:** 1/4" x 2, 5/16" x 18 and 3/8" x 16.
**Diestock:** 1" O/D.
**HSS Die Nuts:** 7/16" x 14, 1/2" x 12, 5/8" x 11 and 3/4" x 10.

## BSF Threading Set

BSF

**3/16" - 3/4" BSF:**
**HSSGT Straight Flute Taps:**
**Taper:** 3/16" x 32, 1/4" x 26, 5/16" x 22, 3/8" x 20.
**Second:** 3/4" x 12, 7/16" x 18, 5/8" x 14, 1/2" x 16.
**Plug:** 3/16" x 32, 1/4" x 26, 5/16" x 22, 3/8" x 20.
**Bar Type Tap Wrenches:** 1/16" - 1/4" and 1/4" - 3/4".
**Tapping Drills to Suit:** HSS S/S. 4.00, 5.30, 6.80, 8.30, 9.70, 11.10mm.
**HSS 1" O/D Split Dies:** 1/4" x 26, 5/16" x 22 and 3/8" x 20.
**Diestock:** 1" O/D.
**HSS Die Nuts:** 7/16" x 18, 1/2" x 16, 5/8" x 14 and 3/4" x 12.

28 PIECES

| Range | Number of Pieces | Order Code SHR-086 |
|---|---|---|
| 3/16 -3/4" BSW | 28 | -9992K |
| 3/16 - 3/4" BSF | 28 | -9991K |

## SENATOR QUALITY TOOLING Metric Threading Set

**Metric M3 - M12**
32 piece set of machine ground carbon steel taps and dies supplied in a metal box. For general workshop and maintenance use only.

CARBON STALE

**Contents:**
**O/D Split Dies:** M3, M4, M5, M6, M8, M10 and M12.
**Ground Thread Taps (1 of each, taper, second and plug lead):** M3, M4, M5, M6, M8, M10 and M12.
**Bar Type Tap Wrenches:** M1 - M12 x 210mm.
**Die Stock:** 25 x 9 x 210mm.
**Metric Thread Pitch Gauge.**
**Flat Bladed Screwdriver:** 6mm.

32 PIECES

| Range | Number of Pieces | Order Code SEN-086 |
|---|---|---|
| M3 - M12 | 32 | -3990K |

## SENATOR QUALITY TOOLING Metric Threading Set

HSS

**Metric M3 - M12**
Comprehensive threading set containing machine ground HSS Taps and Dies in a metal box.

**Contents:**
**O/D Split Dies:** M3, M4, M5, M6, M8, M10 and M12.
**Ground Thread Taps** (1 of each, taper, second and plug lead): M3, M4, M5, M6, M8, M10 and M12.
**Bar Type Tap Wrench:** M1 - M12 x 210mm.
**Die Stock:** 25 x 9 x 210mm.
**Metric Thread Pitch Gauge.**
**Flat Bladed Screwdriver:** 6mm.

32 PIECES

| Range | Number of Pieces | Order Code SEN-086 |
|---|---|---|
| M3 - M12 | 32 | -9980K |

## SENATOR QUALITY TOOLING Metric Threading Set

- Coarse and fine combined set
- Machine ground carbon steel taps and dies
- For general workshop and maintenance use only
- Supplied in a robust plastic carrying case

CARBON STALE

**Contents:**
Tap & Die Sizes: Coarse: from M6 to M24, Fine: from M6 to M24 Tap Wrench, 'T' Type Tap Wrench, Die Holder, Die Adaptor, Flat Bladed Screwdriver

45 PIECES

| Range | Number of Pieces | Order Code SEN-086 |
|---|---|---|
| M3 - M12 | 45 | -9910K |

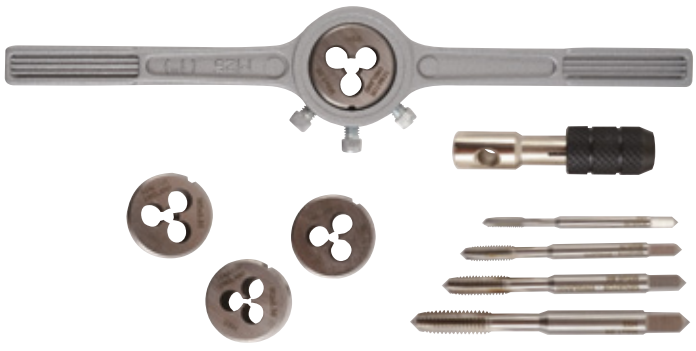
## SENATOR QUALITY TOOLING Metric Threading Set

HSS

Machine ground HSS taps and dies. Conforms to **ISO529** and **BS1127.**

**Contents:**
Tap & Die Sizes (M3 to M6): M3 x 0.50, M4 x 0.70, M5 x 0.80 and M6 x 1.00mm. 'T' Type Tap Wrench (capacity M3 - M6).
Die Holder 1" O/D.

10 PIECES



| Range | Number of Pieces | Order Code SEN-086 |
|---|---|---|
| M3 - M6 | 10 | -9920K |

# DIES

## Metric Coarse HSS Ground Thread Dies

METRIC COARSE

HSS

**BS 1127**
For use in diestocks to produce external screw threads.

| Size - Pitch (mm) | Outside Diameter | Thickness | Order Code SHR-086 |
|---|---|---|---|
| M2.0 x 0.40 | 13/16" | 1/4" | -0110K |
| M2.5 x 0.45 | 13/16" | 1/4" | -0130K |
| M3.0 x 0.50 | 13/16" | 1/4" | -0140K |
| M3.5 x 0.60 | 13/16" | 1/4" | -0150K |
| M4.0 x 0.70 | 13/16" | 1/4" | -0160K |
| M4.0 x 0.70 | 1" | 3/8" | -0410K |
| M5.0 x 0.80 | 1" | 3/8" | -0430K |
| M5.0 x 0.80 | 13/16" | 1/4" | -0180K |
| M6.0 x 1.00 | 13/16" | 1/4" | -0200K |
| M6.0 x 1.00 | 1" | 3/8" | -0440K |
| M6.0 x 1.00 | 15/16" | 7/16" | -0590K |
| M7.0 x 1.00 | 13/16" | 1/4" | -0210K |
| M8.0 x 1.25 | 1" | 3/8" | -0460K |
| M8.0 x 1.25 | 15/16" | 7/16" | -0610K |
| M8.0 x 1.25 | 1 1/2" | 1/2" | -0790K |
| M10.0 x 1.50 | 1" | 3/8" | -0480K |
| M10.0 x 1.50 | 15/16" | 7/16" | -0630K |

| Size - Pitch (mm) | Outside Diameter | Thickness | Order Code SHR-086 |
|---|---|---|---|
| M10.0 x 1.50 | 1 1/2" | 1/2" | -0810K |
| M11.0 x 1.50 | 15/16" | 7/16" | -0640K |
| M12.0 x 1.75 | 15/16" | 7/16" | -0650K |
| M12.0 x 1.75 | 1 1/2" | 1/2" | -0830K |
| M12.0 x 1.75 | 2" | 5/8" | -1020K |
| M14.0 x 2.00 | 15/16" | 7/16" | -0660K |
| M14.0 x 2.00 | 1 1/2" | 1/2" | -0840K |
| M14.0 x 2.00 | 2" | 5/8" | -1030K |
| M16.0 x 2.00 | 1 1/2" | 1/2" | -0850K |
| M16.0 x 2.00 | 2" | 5/8" | -1040K |
| M18.0 x 2.50 | 1 1/2" | 1/2" | -0860K |
| M20.0 x 2.50 | 1 1/2" | 1/2" | -0870K |
| M20.0 x 2.50 | 2" | 5/8" | -1060K |
| M24.0 x 3.00 | 2" | 5/8" | -1080K |
| M37.0 x 3.00 | 2" | 5/8" | -1090K |
| M30.0 x 3.50 | 3" | 7/8" | -1220K |

## Metric Coarse HSS Ground Thread Die Nuts

METRIC COARSE

HSS

**BS 1127**
For use with spanners to clean and repair existing external screw threads.

| Size - Pitch (mm) | Width | Thickness | Order Code SHR-086 |
|---|---|---|---|
| M3.0 x 0.50 | 0.71" | 1/4" | -1310K |
| M4.0 x 0.70 | 0.71" | 1/4" | -1330K |
| M5.0 x 0.80 | 0.71" | 1/4" | -1350K |
| M6.0 x 1.00 | 0.71" | 1/4" | -1360K |
| M7.0 x 1.00 | 0.82" | 5/16" | -1440K |
| M8.0 x 1.25 | 0.82" | 5/16" | -1450K |
| M10.0 x 1.50 | 0.92" | 3/8" | -1500K |
| M12.0 x 1.75 | 1.10" | 1/2" | -1570K |
| M14.0 x 2.00 | 1.30" | 5/8" | -1600K |
| M16.0 x 2.00 | 1.30" | 5/8" | -1610K |
| M18.0 x 2.50 | 1.48" | 11/16" | -1640K |
| M20.0 x 2.50 | 1.48" | 11/16" | -1650K |
| M24.0 x 3.00 | 2.05" | 15/16" | -1720K |
| M30.0 x 3.50 | 2.22" | 11/16" | -1760K |
| M36.0 x 4.00 | 2.76" | 1 1/4" | -1790K |

## Metric Fine HSS Ground Thread Die Nuts

METRIC FINE

HSS

**BS 1127**
For use with spanners to clean and repair existing external screw threads.

| Size - Pitch (mm) | Width | Thickness | Order Code SHR-086 |
|---|---|---|---|
| **Metric Fine** | | | |
| M6.0 x 0.75 | 0.71" | 1/4" | -2550K |
| M8.0 x 1.00 | 0.82" | 5/16" | -2590K |
| M10.0 x 1.25 | 0.92" | 3/8" | -2640K |
| M12.0 x 1.25 | 1.10" | 1/2" | -2660K |
| M14.0 x 1.50 | 1.30" | 5/8" | -2770K |
| M16.0 x 1.50 | 1.30" | 5/8" | -2790K |
| M18.0 x 1.50 | 1.48" | 11/16" | -2810K |
| M20.0 x 1.50 | 1.48" | 11/16" | -2830K |
| M24.0 x 2.00 | 2.05" | 15/16" | -2890K |

## Metric Fine HSS Ground Thread Dies

METRIC FINE

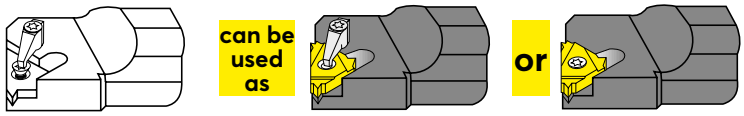
HSS

**BS 1127**
For use in diestocks to produce external screw threads.

| Size - Pitch (mm) | Outside Diameter | Thickness | Order Code SHR-086 |
|---|---|---|---|
| **Metric Fine** | | | |
| M4.0 x 0.50 | 13/16" | 1/4" | -1930K |
| M5.0 x 0.50 | 13/16" | 1/4" | -1950K |
| M6.0 x 0.50 | 13/16" | 1/4" | -0190K |
| M6.0 x 0.75 | 13/16" | 1/4" | -1980K |
| M8.0 x 1.00 | 1" | 3/8" | -2040K |
| M10.0 x 1.25 | 1" | 3/8" | -2080K |
| M10.0 x 1.25 | 15/16" | 7/16" | -2130K |
| M12.0 x 1.25 | 15/16" | 7/16" | -2150K |
| M14.0 x 1.50 | 15/16" | 7/16" | -2180K |
| M16.0 x 1.50 | 1 1/2" | 1/2" | -2220K |
| M18.0 x 1.50 | 1 1/2" | 1/2" | -2230K |
| M20.0 x 1.50 | 1 1/2" | 1/2" | -2250K |
| M20.0 x 1.50 | 2" | 5/8" | -2330K |
| M24.0 x 2.00 | 2" | 5/8" | -2380K |
| **ISO Metric Special Pitch** | | | |
| M5.0 x 0.90 | 13/16" | 1/4" | -0185K |
| M8.0 x 0.75 | 1" | 3/8" | -2030K |
| M14.0 x 1.25 | 15/16" | 7/16" | -2170K |
| M25.0 x 1.50 | 2" | 5/8" | -2390K |

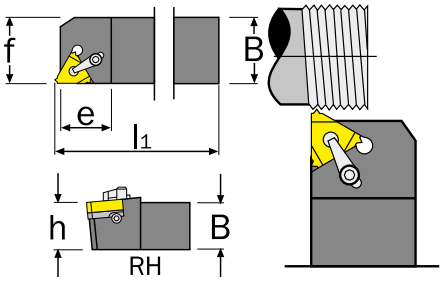
# INDEXA Threading Toolholders - Dual Top Clamp & Screw-on

Example shows **DIR -** Internal,
but clamping is identical to **DER/L -** External.
Standard Helix is 1.5°.




## External

**Dual DER/L -**
External.



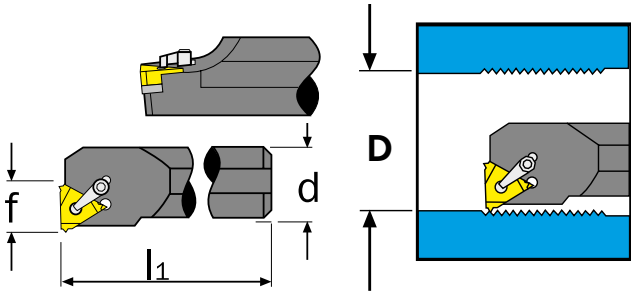

**Suitable Inserts**
**ER** = Right Hand **EL** = Left Hand
Sizes **16** = 16ER/L
**22** = 22ER/L

| ISO Designation | | Dimensions h | B | $l_1$ | f | e | Order Code IND-106 |
|---|---|---|---|---|---|---|---|
| DER 1616H | **16** | 16 | 16 | 100 | 16 | 22 | **-8100K** |
| DER 2020K | **16** | 20 | 20 | 125 | 20 | 22 | **-8000K** |
| DER 2525M | **16** | 25 | 25 | 150 | 25 | 22 | **-8020K** |
| DEL 2525M | **16** | 25 | 25 | 150 | 25 | 22 | **-8030K** |
| DER 2525M | **22** | 25 | 25 | 150 | 25 | 28 | **-8040K** |

## Internal

**Dual DIR -**
Internal.

**Suitable Inserts**
**IR** = Right Hand
Sizes **16** = 16IR
**22** = 221R

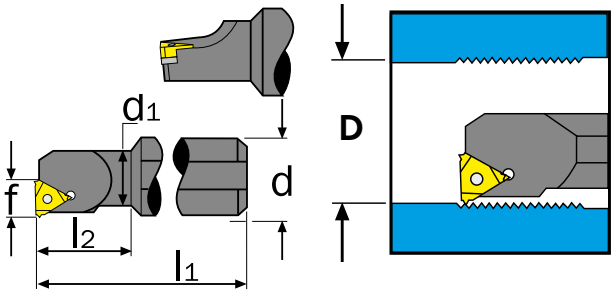



| ISO Designation | | Dimensions (mm) d | $l_1$ | f | Dmin | Order Code IND-106 |
|---|---|---|---|---|---|---|
| DIR 0020P | **16** | 20 | 170 | 13.7 | 24 | **-8240K** |
| DIR 0025R | **16** | 25 | 200 | 16.2 | 29 | **-8260K** |

## Screw-on

**SIR/L -**
Internal.

**Suitable Inserts**
**IR** = Right hand **IL** = Left Hand
Sizes **06** = 06IR/L
**08** = 08IR/L
**11** = 11IR/L
**16** = 16IR/L
**22** = 22IR/L




| ISO Designation | | | Dimensions $d_1$ | d | $l_1$ | $l_2$ | f | DMin | Order Code IND-106 |
|---|---|---|---|---|---|---|---|---|---|
| SIR | 0010H | **11** | 10 | 10 | 100 | - | 7.4 | 12.0 | **-8360K** |
| SIR | 0013M | **16** | 16 | 13 | 150 | 32 | 10.2 | 16.0 | **-8400K** |
| SIR | 0016P | **16** | 20 | 16 | 170 | 40 | 11.7 | 19.0 | **-8420K** |
| SIL | 0016P | **16** | 20 | 16 | 170 | 40 | 11.7 | 19.0 | **-8430K** |
| SIR | 0020P | **22** | 20 | 20 | 170 | - | 15.6 | 24.0 | **-8440K** |

**Indexable Tooling Spares**

See our range

Scan the QR code

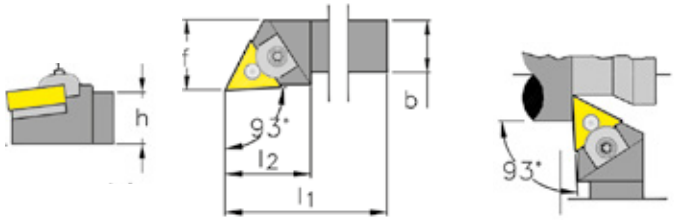
## INDEXA Combination Top Clamp & Pinlock External Toolholders

### MTJN R

93° approach for negative triangular inserts.

**Inserts** See Group 120
Sizes : **16** = 1604

**TN_A** **TN_G**




| Designation MTJN.... | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 2020K **16** | 20 | 20 | 125 | 34 | 25 | **-1300K** |
| R 2525M **16** | 25 | 25 | 150 | 34 | 32 | **-1320K** |

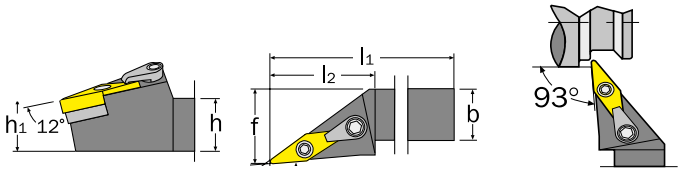
## INDEXA

### MVJN R/L

93° approach for negative 35° rhombic inserts.

**Inserts** See Group 120
Sizes **16** = 1604__

**VN_A** **VN_G**




| Designation MVJN.... | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 2020K **16** | 20 | 20 | 125 | 37 | 25 | **-1500K** |
| L 2020K **16** | 20 | 20 | 125 | 37 | 25 | **-1510K** |
| R 2525M **16** | 25 | 25 | 150 | 37 | 32 | **-1520K** |
| L 2525M **16** | 25 | 25 | 150 | 37 | 32 | **-1530K** |

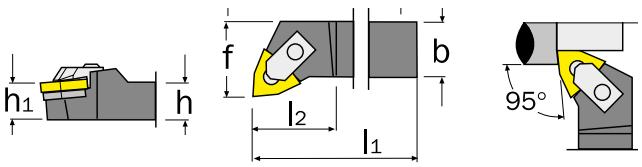
## INDEXA

### MWLN R/L

95° approach for negative 80° trigon inserts.

**Inserts** See Group 120
Sizes **08** = 0804__

**WN_A** **WN_G** **WN_M**



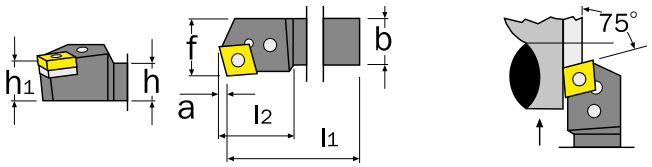

| Designation MWLN.... | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 2020K **16** | 20 | 20 | 125 | 34 | 25 | **-1680K** |
| L 2020K **16** | 20 | 20 | 125 | 34 | 25 | **-1690K** |
| R 2525M **16** | 25 | 25 | 150 | 34 | 32 | **-1700K** |
| L 2525M **16** | 25 | 25 | 150 | 34 | 32 | **-1710K** |

## INDEXA Lever Lock External Toolholders

### PCKN R/L

75° approach for negative 80° rhombic inserts.

**Inserts** See Group 120
Sizes **12** = 1204__
**CN_A** **CN_G**



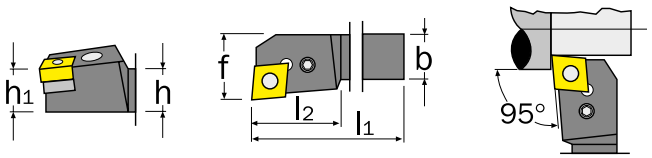

| Designation PCKN.... | Dimensions (mm) h=h1 | b | l1 | l2 | f | a | Order Code IND-106 |
|---|---|---|---|---|---|---|---|
| R 2020K **12** | 20 | 20 | 125 | 28 | 25 | 3.1 | **-1820K** |
| L 2525M **12** | 25 | 25 | 150 | 34 | 22 | 3.8 | **-1860K** |

## INDEXA

### PCLN R/L

95° approach for negative 80° rhombic inserts.

**Inserts** See Group 120
Sizes **09** = 0903__
Sizes **12** = 1204__
Sizes **16** = 1606__
Sizes **19** = 1906__
**CN_A** **CN_G**



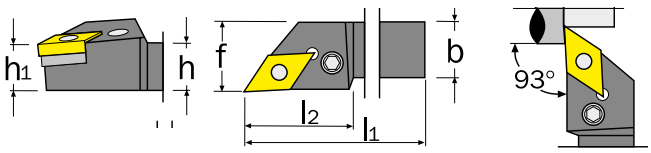

| Designation PCLN.... | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 1616H **12** | 16 | 16 | 100 | 26 | 20 | **-1960K** |
| R 2020K **09** | 20 | 20 | 125 | 28 | 25 | - |
| R 2020K **12** | 20 | 20 | 125 | 28 | 25 | **-2000K** |
| L 2020K **12** | 20 | 20 | 125 | 28 | 25 | **-2010K** |
| R 2525M **09** | 25 | 25 | 150 | 28 | 32 | **-2020K** |
| R 2525M **12** | 25 | 25 | 150 | 28 | 32 | **-2040K** |
| L 2525M **12** | 25 | 25 | 150 | 28 | 32 | **-2050K** |
| R 3225P **12** | 32 | 25 | 170 | 28 | 32 | **-2100K** |

## INDEXA

### PDJN R/L

93° approach for negative 55° rhombic inserts.

**Inserts** See Group 120
Sizes **11** = 1104__
Sizes **15** = 1506__
= 1504__ (optional)
**DN_A** **DN_G**



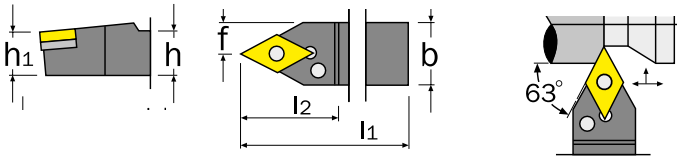

| Designation PDJN.... | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 2020K **11** | 20 | 20 | 125 | 30 | 25 | **-2380K** |
| L 2020K **11** | 20 | 20 | 125 | 30 | 25 | **-2390K** |
| R 2020K **15** | 20 | 20 | 125 | 34 | 25 | **-2400K** |
| L 2020K **15** | 20 | 20 | 125 | 34 | 25 | **-2410K** |
| R 2525M **11** | 25 | 25 | 150 | 33 | 32 | **-2420K** |
| L 2525M **11** | 25 | 25 | 150 | 33 | 32 | **-2430K** |
| R 2525M **15** | 25 | 25 | 150 | 34 | 32 | **-2440K** |
| L 2525M **15** | 25 | 25 | 150 | 34 | 32 | **-2450K** |

## INDEXA Lever Lock External Toolholders

### PDNN R

63° approach for negative 55° rhombic inserts

**Inserts** See Group 120
Sizes **15** = 1506__
= 1504__ (optional)
**DN_A** **DN_G**

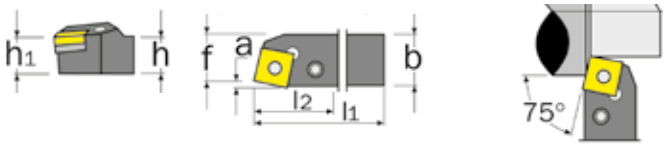



| Designation PDNN... | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code **IND-106** |
|---|---|---|---|---|---|---|
| R 2525M **15** | 25 | 25 | 150 | 34 | 12.5 | **-2580K** |

## INDEXA PSBN R/L

75° approach for negative square inserts.

**Inserts** See Group 120
Sizes **09** = 0903__
Sizes **12** = 1204__
Sizes **19** = 1906__
**SN_A** **SN_G**

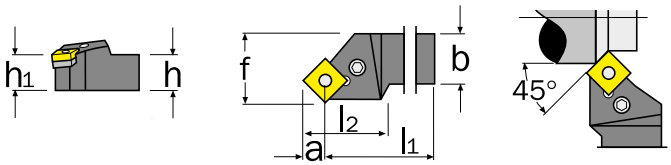



| Designation PSBN... | Dimensions (mm) h=h1 | b | l1 | l2 | f | a | Order Code **IND-106** |
|---|---|---|---|---|---|---|---|
| R 2020K **12** | 20 | 20 | 125 | 28 | 17 | 3 | **-2940K** |
| L 2020K **12** | 20 | 20 | 125 | 28 | 17 | 3 | **-2950K** |

## INDEXA PSSN R/L

45° offset approach for negative square inserts.

**Inserts** See Group 120
Size **12** = 1204__
Size **19** = 1906__
**SN_A** **SN_G**



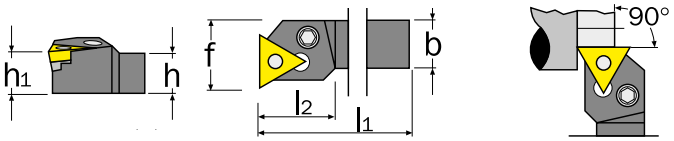

| Designation PSSN... | Dimensions (mm) h=h1 | b | l1 | l2 | f | a | Order Code **IND-106** |
|---|---|---|---|---|---|---|---|
| R 2020K **12** | 20 | 20 | 125 | 28 | 25 | 8.3 | **-3540K** |
| L 2020K **12** | 20 | 20 | 125 | 28 | 25 | 8.3 | **-3550K** |

## INDEXA Lever Lock External Toolholders

### PTFN R

90° approach for negative triangular inserts.

**Inserts** See Group 120
Sizes **16** = 1604__
**TN_A** **TN_G**



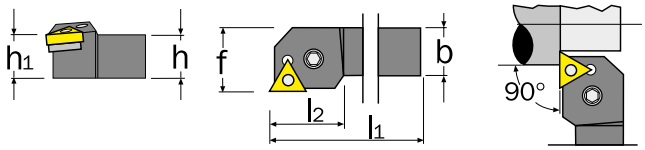

| Designation PTFN... | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 2020K **16** | 20 | 20 | 125 | 22 | 25 | **-3680K** |

## INDEXA

### PTGN R/L

90° approach for negative triangular inserts.

**Inserts** See Group 120
Size **16** = 1604__
Size **22** = 2204__
**TN_A** **TN_G**

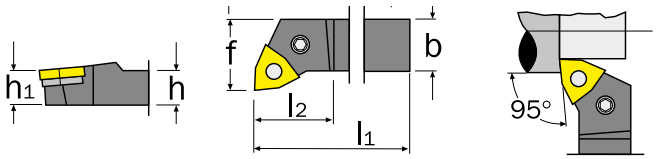



| Designation PTGN... | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 1616H **16** | 16 | 16 | 100 | 22 | 20 | **-3900K** |
| R 2020K **16** | 20 | 20 | 125 | 22 | 25 | **-3940K** |
| L 2020K **16** | 20 | 20 | 125 | 22 | 25 | **-3950K** |
| R 2525M **16** | 25 | 25 | 150 | 22 | 32 | **-3960K** |
| L 2525M **16** | 25 | 25 | 150 | 22 | 32 | **-3970K** |
| R 2525M **22** | 25 | 25 | 150 | 28 | 32 | **-3980K** |

## INDEXA PWLN R/L

95° approach for negative 80° trigon inserts.

**Inserts** See Group 120
Size **06** = 0604__
Size **08** = 0804__
**WN_A** **WN_G**



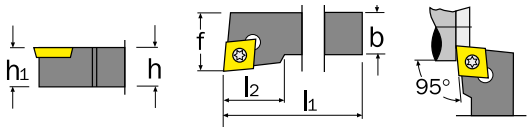

| Designation PWLN.. | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 1616H **06** | 16 | 16 | 100 | 21 | 20 | **-4080K** |
| R 2020K **06** | 20 | 20 | 125 | 25 | 25 | **-4090K** |
| L 2020K **06** | 20 | 20 | 125 | 25 | 25 | **-4092K** |
| R 2020K **08** | 20 | 20 | 125 | 25 | 25 | **-4100K** |
| L 2020K **08** | 20 | 20 | 125 | 25 | 25 | **-4110K** |
| R 2525M **08** | 25 | 25 | 150 | 34 | 32 | **-4120K** |
| L 2525M **08** | 25 | 25 | 150 | 34 | 32 | **-4130K** |

## INDEXA Screw-On External Toolholders

### SCLC R/L

95° approach for 7° positive 80° rhombic inserts.

**Inserts** See Group 120
Size **06** = 0602__
Size **09** = 09T3__
Size **12** = 1204__
**CC_T**



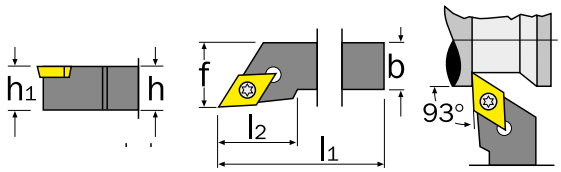

| Designation SCLC.. | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 1010E **06** | 10 | 10 | 70 | 10 | 12 | **-4420K** |
| R 1212F **09** | 12 | 12 | 80 | 16 | 16 | **-4460K** |
| R 1616H **09** | 16 | 16 | 100 | 16 | 20 | **-4480K** |
| L 1616H **09** | 16 | 16 | 100 | 16 | 20 | **-4490K** |
| R 2020K **09** | 20 | 20 | 125 | 20.5 | 25 | **-4500K** |
| L 2020K **09** | 20 | 20 | 125 | 20.5 | 25 | **-4505K** |
| R 2525M **12** | 25 | 25 | 150 | 25 | 32 | **-4520K** |
| L 2525M **12** | 25 | 25 | 150 | 25 | 32 | **-4525K** |

## INDEXA

### SDJC R/L

93° approach for 7° positive 55° rhombic inserts.

**Inserts** See Group 120
Size **07** = 0702__
Size **11** = 11T3__
**DC_T**



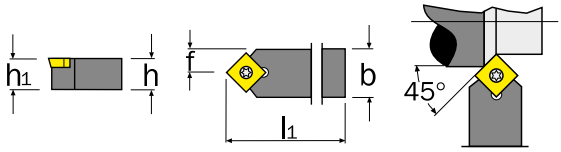

| Designation SDJC.. | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 1212F **11** | 12 | 12 | 80 | 18 | 16 | **-4580K** |
| R 2020K **11** | 20 | 20 | 125 | 22 | 25 | **-4640K** |
| L 2020K **11** | 20 | 20 | 125 | 22 | 25 | **-4650K** |
| R 2525M **11** | 25 | 25 | 150 | 22 | 32 | **-4660K** |
| L 2525M **11** | 25 | 25 | 150 | 22 | 32 | **-4670K** |

## INDEXA

### SSDC N

45° approach for 7° positive square inserts.

**Inserts** See Group 120
Sizes **09** = 09T3___
Sizes **12** =1204___
**SC_T**



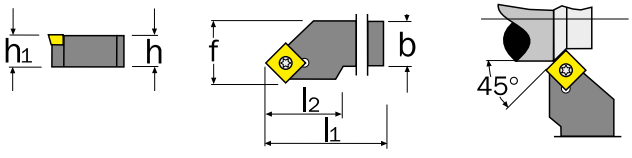

| Designation SSDC.. | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| N 1212F **09** | 12 | 12 | 80 | - | 6 | **-5160K** |

## INDEXA

### SSSC R

45° approach for 7° positive square inserts.

**Inserts** See Group 120
Size **09** = 09T3___
Size **12** =1204___
**SC_T**



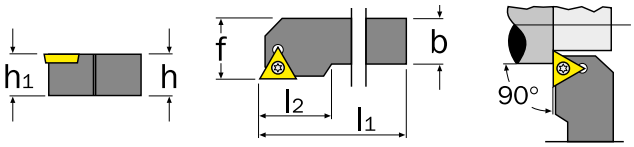

| Designation SSSC.. | Dimensions (mm) h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 2020K **12** | 20 | 20 | 125 | 22 | 25 | **-5390K** |

# INDEXA Screw-On External Toolholders

## STGC R

90° approach for 7° positive triangular inserts.

**Inserts** See Group 120
Sizes **11** = 1102__
Sizes **16** = 16T3__
**TC_T**

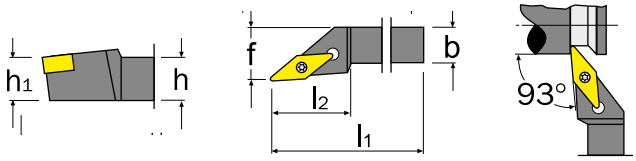



| Designation STGC.. | h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 2020K **16** | 20 | 20 | 125 | 22 | 25 | **-5740K** |
| R 2525M **16** | 25 | 25 | 150 | 22 | 32 | **-5760K** |

## SVJN R/L

93° approach for 35° negative rhombic inserts.

**Inserts**See Group 120
Size **12** = 12T3____
**VN_G**

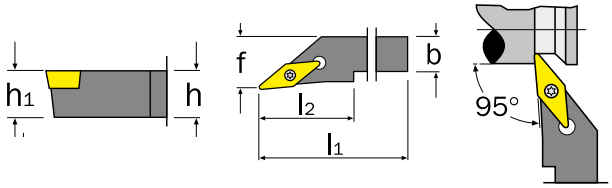



| Designation SVJN.. | h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 2020K **12** | 20 | 20 | 125 | 22 | 25 | **-5830K** |
| L 2020K **12** | 20 | 20 | 125 | 22 | 25 | **-5840K** |
| R 2525M **12** | 25 | 25 | 150 | 31 | 32 | **-5850K** |

## SVLB R/L

95° approach for 5° positive 35° rhombic inserts.

**Inserts**See Group 120
Size : **16** = 1604
**VB_T** **VB_A** **VB_M**

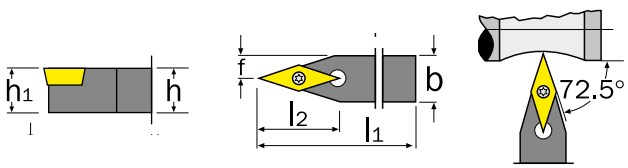



| Designation SVLB.. | h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| R 2020K **16** | 20 | 20 | 125 | 42 | 25 | **-5940K** |
| L 2020K **16** | 20 | 20 | 125 | 42 | 25 | **-5950K** |
| R 2525M **16** | 25 | 25 | 150 | 42 | 32 | **-6020K** |
| L 2525M **16** | 25 | 25 | 150 | 42 | 32 | **-6030K** |

## SVVB N

72.5° approach for 5° positive 35° rhombic inserts.

**Inserts** See Group 120
Size : **16** = 1604
**VB_T** **VB_A** **VB_M**




| Designation SVVB.. | h=h1 | b | l1 | l2 | f | Order Code IND-106 |
|---|---|---|---|---|---|---|
| N 2020K **16** | 20 | 20 | 125 | 28 | 10.6 | **-6080K** |
| N 2525M **16** | 25 | 25 | 150 | 28 | 13.1 | **-6100K** |
| N 3225P **16** | 32 | 25 | 170 | 28 | 13.1 | **-6120K** |

# BORING BARS

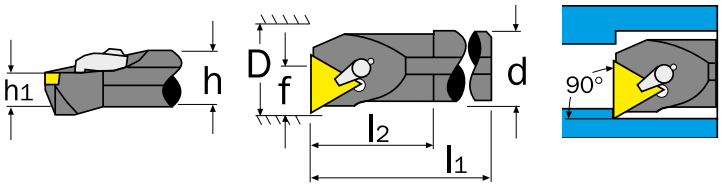
## INDEXA Top Clamp Boring Bars

### CTFP R/L

90° approach for 11° positive triangular inserts.

**Inserts** See Group 120
Sizes **11** = 1103__
Sizes **16** = 1603__

TP_R TP_N


| ISO Designation | Dimensions (mm) dg7 | $h_1$ | h | $l_1$ | $l_2$ | f | Dmin | Order Code **IND-106** |
|---|---|---|---|---|---|---|---|---|
| S12M CTFPR **11** | 12 | 11 | 5.5 | 150 | 25 | 9 | 16 | **-6400K** |
| S16R CTFPR **11** | 16 | 15 | 7.5 | 200 | 30 | 11 | 20 | **-6410K** |
| S20S CTFPR **11** | 20 | 18 | 9.0 | 250 | 35 | 13 | 24 | **-6420K** |
| S25T CTFPR **16** | 25 | 23 | 11.5 | 300 | 40 | 17 | 31 | **-6460K** |
| S32U CTFPR **16** | 32 | 30 | 15.0 | 350 | 50 | 22 | 39 | **-6480K** |

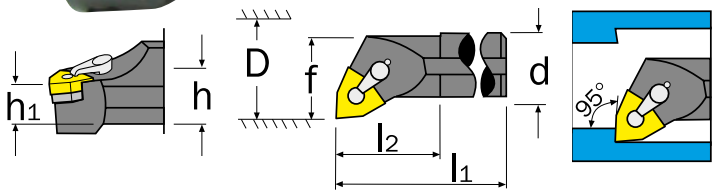
## INDEXA Top Clamp & Pin Lock Boring Bars

### MWLN R/L

95° approach for 80° negative trigon inserts.

**Inserts** See Group 120
Sizes **08** = 0804__

WN_A WN_G


| ISO Designation | Dimensions (mm) dg7 | $h_1$ | h | $l_1$ | $l_2$ | f | Dmin | Order Code **IND-106** |
|---|---|---|---|---|---|---|---|---|
| S40V MWLNR **08** | 40 | 37 | 18.5 | 400 | 60 | 27 | 48 | **-6782K** |

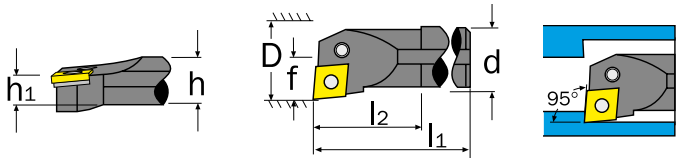
## INDEXA Lever Lock Boring Bars

### PCLN R/L

95° approach for 80° negative rhombic inserts.

**Inserts** See Group 120
Sizes **09** = 0903__
Sizes **12** = 1204__
Sizes **16** = 1606__

CN_A CN_G


| ISO Designation | Dimensions (mm) dg7 | $h_1$ | h | $l_1$ | $l_2$ | f | Dmin | Order Code **IND-106** |
|---|---|---|---|---|---|---|---|---|
| S25T PCLNR **12** | 25 | 23 | 11.5 | 300 | 40 | 17.0 | 31 | **-6820K** |
| S32U PCLNR **12** | 32 | 30 | 15.0 | 350 | 50 | 22.0 | 39 | **-6840K** |

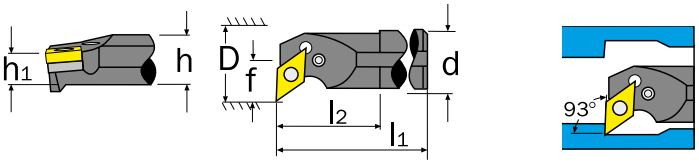
## INDEXA Lever Lock Boring Bars *Continued*

**Inserts** See Group 120
Sizes **11** = 1104__
Sizes **15** = 1506__

**DN_A** **DN_G**

### PDUN R

93° approach for 55° negative rhombic inserts.




| ISO Designation | dg7 | $h_1$ | h | $l_1$ | $l_2$ | f | Dmin | Order Code **IND-106** |
|---|---|---|---|---|---|---|---|---|
| S25T PDUNR **11** | 25 | 25 | 15.0 | 300 | 50 | 22 | 30 | **-6940K** |
| S32U PDUNR **15** | 32 | 30 | 15.0 | 350 | 50 | 22 | 39 | **-6960K** |

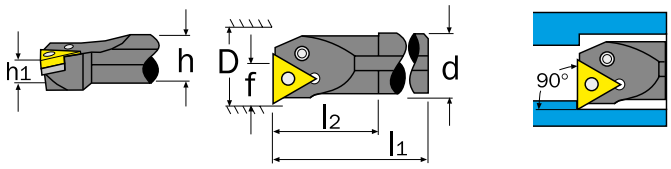
## INDEXA

### PTFN R

90° approach for negative triangular inserts.

**Inserts** See Group 120
Sizes **16** = 1604__
Sizes **22** = 2204__

**TN_G**




| ISO Designation | dg7 | $h_1$ | h | $l_1$ | $l_2$ | f | Dmin | Order Code **IND-106** |
|---|---|---|---|---|---|---|---|---|
| S25T PTFNR **16** | 25 | 23 | 11.5 | 300 | 40 | 17 | 31 | **-7200K** |
| S32U PTFNR **16** | 32 | 30 | 15.0 | 350 | 50 | 22 | 39 | **-7240K** |

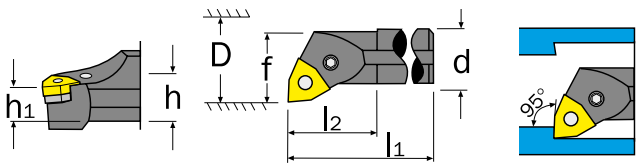
## INDEXA

### PWLN R

95° approach for negative 80° Trigon inserts.

**Inserts** See Group 120
Sizes **06** = 0604__
Sizes **08** = 0804__

**WN_G**


| ISO Designation | dg7 | $h_1$ | h | $l_1$ | $l_2$ | f | Dmin | Order Code **IND-106** |
|---|---|---|---|---|---|---|---|---|
| S16R PWLNR **06** | 16 | 15 | 9 | 200 | 44 | 10 | 19 | **-7320K** |
| S20S PWLNR **06** | 20 | 18 | 9 | 250 | 42 | 12 | 23 | **-7324K** |
| S25T PWLNR **06** | 25 | 23 | 15 | 300 | 45 | 15.5 | 30 | **-7328K** |

# BORING BARS

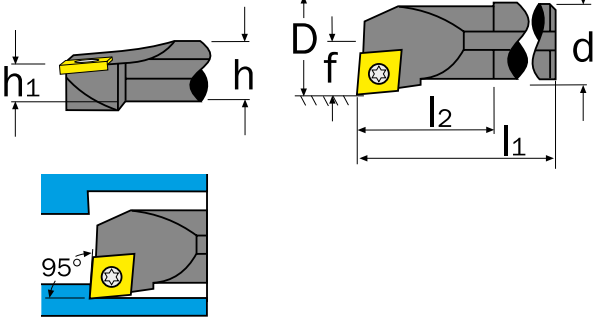
## INDEXA Screw-On Boring Bars

### SCLC R/L

95° approach for 7° positive
80° rhombic inserts.

**Inserts** See Group 120
Sizes **06** = 0602 __
Sizes **09** = 09T3__
**CC_T**

| ISO Designation | Dimensions (mm) | | | | | | | Order Code IND-106 |
|---|---|---|---|---|---|---|---|---|
| | dg7 | $h_1$ | h | $l_1$ | $l_2$ | f | Dmin | |
| S08K SCLCR **06** | 8 | 7 | 3.5 | 125 | 16 | 5 | 11 | **-7380K** |
| S10M SCLCR **06** | 10 | 9 | 4.5 | 150 | 25 | 7 | 13 | **-7400K** |
| S12M SCLCR **06** | 12 | 11 | 5.5 | 150 | 30 | 9 | 17 | **-7435K** |
| S12Q SCLCR **09** | 12 | 11 | 5.5 | 180 | 30 | 9 | 17 | **-7440K** |
| S16R SCLCR **09** | 16 | 15 | 7.5 | 200 | 30 | 11 | 20 | **-7480K** |
| S20S SCLCR **09** | 20 | 18 | 9 | 250 | 35 | 13 | 24 | **-7500K** |
| S25T SCLCR **09** | 25 | 23 | 11.5 | 300 | 40 | 17 | 31 | **-7520K** |



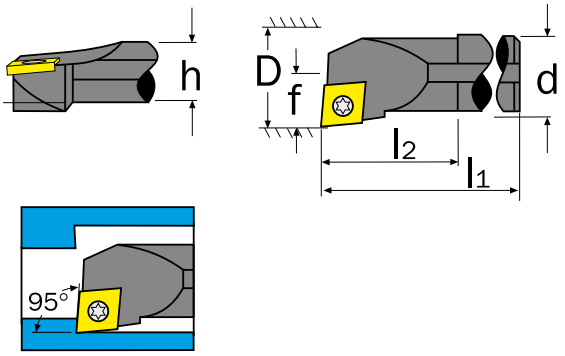

## INDEXA Screw-on Boring Bars (Through Coolant)

95° approach. Uses CCMT 06 inserts.

WITH THROUGH COOLANT

**Inserts** See Group 120
Sizes **06** = 0602 __
**CC_T**

| ISO Designation | Dimensions (mm) | | | | | | Order Code IND-106 |
|---|---|---|---|---|---|---|---|
| | dg7 | $h_1$ | $l_1$ | $l_2$ | f | Dmin | |
| A0608H SCLC **06** | 6 | 7 | 100 | 25 | 4 | 8 | **-7530K** |
| A0810J SCLC **06** | 8 | 9 | 110 | 32 | 6 | 12 | **-7532K** |
| A01012K SCLC **06** | 10 | 11 | 125 | 38 | 7 | 14 | **-7534K** |
| A01216M SCLCR **06** | 12 | 15 | 150 | 50 | 9 | 18 | **-7536K** |

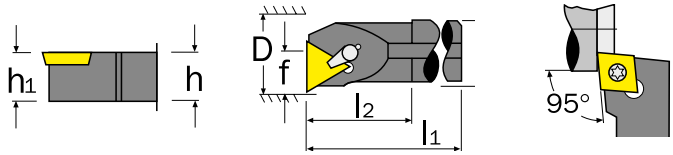



## INDEXA Boring Bars With Lever Attachment

### SCLC R

Angle of attack for 11° positive triangular inserts = 90°.

**Inserts** See Group 120
Sizes **06** = 0602__
Sizes **09** = 09T3__
**CC_T**

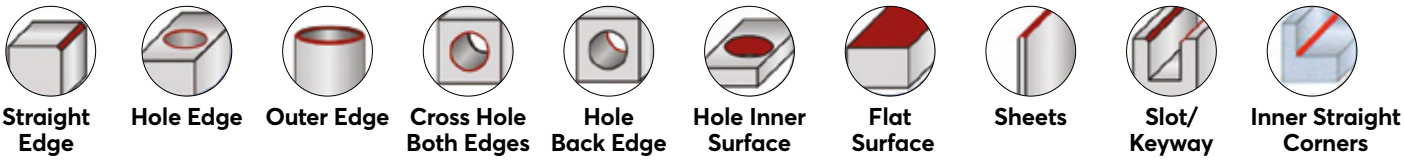



| ISO Designation | Dimensions (mm) | | | | | | Order Code IND-106 |
|---|---|---|---|---|---|---|---|
| | ⌀ h8 | $h_1$ | h | $l_1$ | f | Dmin | |
| E10M SCLCR **06** | 10 | 5 | 9 | 150 | 5.5 | 12 | **-7340K** |
| E16R SCLCR **09** | 16 | 8 | 14 | 200 | 8.5 | 18 | **-7460K** |

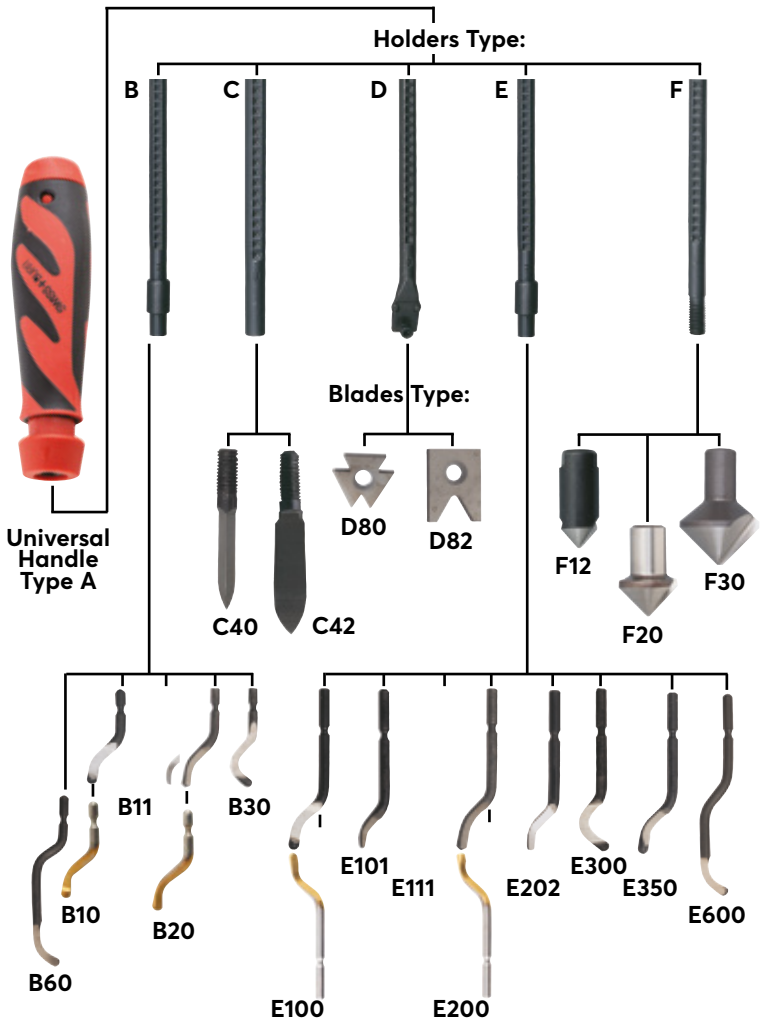
## SWISS+BURR Modular Deburring Tools

An interchangeable system of handle, holders and blades designed to cover all hand applications of deburring.
Made up of HSS and carbide blades, countersinks and scrapers along with ergonomically designed handles.
This is one of the most comprehensive ranges available.
Blades are interchangeable with commonly available brands including Kennedy®, Noga®, Ruko®, Seco®, Snap-Tap® and Stellram®.

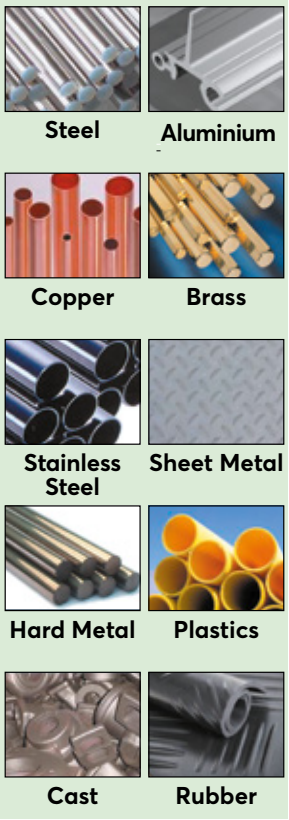
### Application Range




### Industry Sectors




### Material Range




## SWISS+BURR Universal Ergonomic Handle

Modern ergonomic handle design, with an easy to use spring release mechanism. Pulling back on the locking head collar releases the telescopic blade holder for optimal length.
Works with all **SWISS+BURR** holders and blades.

| Type | To Suit | Order Code SWT-109 |
|---|---|---|
| A | B, C, D, E & F Holders | -1010A |

**Holders**

| Type | Suitable For Type | Order Code SWT-109 |
|---|---|---|
| B | B Blades | -1020B |
| C | C Scrapers | -1200K |
| E | E Blades | -1400A |
| F | F Countersinks | -1600P |

## SWISS+BURR Heavy Duty Slim Grip Handle SB2000

**SWISS+BURR** hand deburring tools are a fast effective and efficient way of deburring holes, slots and edges. **SWISS+BURR** is a totally modular system of interchangeable handles, holders and blades designed to cover all applications. A choice of HSS or carbide blades, countersinks and scrapers are available to suit your specific application. **SWISS+BURR** blades are also interchangeable with commonly available brands including Kennedy®, Noga®, Ruko®, Seco®, Snap-Tap® and Stellram®.

| Type | Suitable For Type | Order Code SWT-109 |
|---|---|---|
| SB2000 | E Blades | -6010A |

# HAND DEBURRING TOOLS



## SWISS+BURR Modular Deburring Tools

### Application Table (by Material)

| Material Blade | Steel | Aluminium | Copper | Brass | Cast Iron | Plastics | Stainless Steel | Hardened Steels |
|---|---|---|---|---|---|---|---|---|
| B10 | ● | ● | ● | | | ● | | |
| B10 TiN | ● | ● | ● | | | ● | ● | |
| B10 HSSCo | ● | ● | ● | | | ● | ● | |
| B11 | ● | ● | ● | | | ● | | |
| B20 | | | | ● | ● | ● | | |
| B20 TiN | | | | ● | ● | ● | | |
| B30 | ● | ● | ● | | | ● | | |
| B60 | ● | ● | ● | | | ● | | |
| C40/C42 | ● | ● | ● | ● | ● | ● | ● | |
| D80/D82 | ● | ● | ● | ● | ● | ● | ● | ● |
| E100/E101 | ● | ● | ● | | | ● | | |
| E100 TiN | ● | ● | ● | | | | ● | ● |
| E111 | ● | ● | ● | | | ● | | |
| E200/E202 | | | | ● | ● | ● | | |
| E200 TiN | | | | ● | ● | ● | | |
| E300 | ● | ● | ● | | | ● | | |
| E350 | | | | ● | ● | | | |
| E600 | ● | ● | ● | | | ● | | |
| F12/F20/F30 | ● | ● | ● | ● | ● | ● | ● | |
| N80 | ● | ● | ● | ● | ● | ● | | |
| N80K | ● | ● | ● | ● | ● | ● | ● | |

### Light Duty Blades

**B10**
HSS Blade for straight and hole edge deburring.

**B11**
B10 geometry with thin nose for small diameter holes down to 2mm.

**B20**
HSS Blade for straight and hole edge deburring, blade design allows clockwise and anti-clockwise movement.

**B30**
HSS Blade for Cross-Hole and both edges, blade will simultaneously deburr the inside and outside of the hole. For use on holes up to 4mm thick.

**B60**
HSS Blade for deburring back edges on holes, will remove burrs from the back edge of holes up to 20mm thick.

| Type | Description | Order Code SWT-109 |
|---|---|---|
| B10 | Steel & Aluminium | -1030C |
| B10 TiN | Steel & Aluminium | -1031B |
| B10 HSSCo | Steel & Aluminium | -1031M |
| B11 | Steel & Aluminium | -1032C |
| B20 TiN | Steel & Aluminium | -1041B |
| B20 | Brass & Cast Iron | -1040D |
| B30 | Sheet & Tubing, Front & Rear Cut | -1050E |
| B60 | Rear Cut - Extra Length | -1060F |

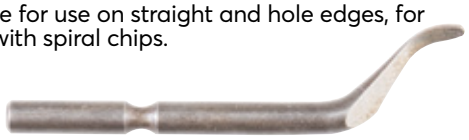
## SWISS+BURR Modular Deburring Tools

### Heavy Duty Blades

**E100**

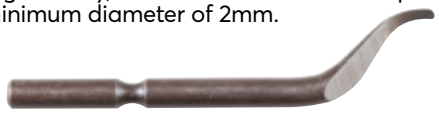
HSS heavy duty blade for use on straight and hole edges, for deburring materials with spiral chips.

**E101**



HSS heavy duty blade for use on straight and hole edges, E style shank with B10 cutting geometry, for use on materials with spiral chips and holes with minimum diameter of 2mm.

**E111**



HSS heavy duty blade is for straight and hole edge deburring, for use on materials with spiral chips, steel, aluminium, copper and plastic.

**E200**

HSS heavy duty blade for use on straight and hole edges, blade design allows clockwise and anti-clockwise movement for use on materials with powdery chips.

**E202**

HSS heavy duty blade for use on straight and hole edges, E style shank with B20 cutting geometry, blade design allows clockwise and anti clockwise movement for use on materials with powdery chips.

**E300**

HSS heavy duty blade for use on cross-hole and both edges, blade will simultaneously deburr the inside and outside of the hole up to 6.mm thick. For use on materials with spiral chips.

**E350**

HSS heavy duty blade for use on straight and hole edges, blade design allows clockwise and anti-clockwise movement for use on materials with powdery chips.

**E600**

Heavy duty blade for removing burrs from the back edges of holes up to 20mm thick.

| Type | Description | Order Code SWT-109 |
|---|---|---|
| E100 | Steel & Aluminium | -1420C |
| E100 TiN | Steel & Aluminium | -1421B |
| E100S | Deburring Blade | -1422C |
| E101 | Steel & Aluminium, Extra Fine Point | -1430D |
| E111 | Steel & Aluminium | -1431B |
| E200 | Brass & Cast Iron | -1440E |
| E200 TiN | Steel & Aluminium | -1441B |
| E202 | Brass & Cast Iron, Extra Fine Point | -1450F |
| E300 | Sheet & Tubing, Front & Rear Cut | -1460G |
| E350 | For Deburring Grooves | -1480J |
| E600 | Rear Cut - Extra Length | -1500L |

## SWISS+BURR B4 Hand Deburring Set

The **SWISS+BURR™** B4 deburring set is a popular choice for deburring holes, slots and edges on metals and plastics.

**The B4 set contains: SWISS+BURR™** 1x Universal handle, 1x B-holder, B10 and B20 blades.

4 PIECES

| Number of Pieces | Description | Order Code SWT-109 |
|---|---|---|
| 4 | B4 Hand Deburring Set | -5020B |

## SWISS+BURR B & C Standard Duty Deburring & Scraping Set

The **SWISS+BURR™** B & C Standard Duty Deburring and Scraping Set is ideal for general deburring and scraping use on holes, slots and edges.

**The set contains: SWISS+BURR™** 1x Type A Universal handle, 1x Type B Blade holder, 1x B10, 1x B11, 1x B20 TiN, 1x B30, 1x B60, 1x B70 carbide tipped, 1x Type C scraper and 1x C40 Triangular scraper.

11 PIESE

| Number of Pieces | Description | Order Code SWT-109 |
|---|---|---|
| 11 | B & C Deburring Set | -5021B |

## SWISS+BURR E & C Heavy Duty Deburring & Scraping Set

The **SWISS+BURR™** E & C Standard Duty Deburring and Scraping Set is ideal for intense deburring and scraping use on holes, slots and edges.

**The set contains: SWISS+BURR™** 1x Type A Universal handle, 1x Type C scraper, 1x C42 triangular scraper, 1x Type E blade holder, 1x E100 TiN blade, 1x E111 blade, 1x E200 blade, 1x E300 two sided blade, 1x E600 rear cutting blade and 1x E700 blade.

11 PIECES

| Number of Pieces | Description | Order Code SWT-109 |
|---|---|---|
| 11 | E & C Heavy Duty Set | -5061B |

## SWISS+BURR E5 Heavy Duty Hand Deburring Set

For holes, slots and edges.
The **SWISS+BURR™** E-Type modular hand deburring system is supplied with high speed steel blades, and scrapers along with an ergonomically designed handle and blade holder.

**The E5 set contains: SWISS+BURR™** 1x Universal handle, 1x E-holder, 1x E100 blade, 1x E101 blade, 1x E200 blade.

| Number | Description of pieces | Order Code SWT-109 |
|---|---|---|
| 5 | E5 Hand Deburring Set | -5050E |

## SWISS+BURR E7 Heavy Duty Hand Deburring Set

For holes, slots and edges.
Modern ergonomic handle design, with an easy to use spring release mechanism. Pulling back on the locking head collar releases the telescopic blade holder for optimal length.
Works with all **SWISS+BURR™** holders and blades.

**The E7 set contains: SWISS+BURR™** 1x Universal handle, 1x E-holder, 1x E100 blade, 1x E101 blade, 1x E200 blade, 1x E202 blade, 1x E300 blade.

7 PIECES

| Number of Pieces | Description | Order Code SWT-109 |
|---|---|---|
| 7 | E Hand Deburring Set | -5060F |

## SWISS+BURR Diamond Coated Filing & Deburring Set

**The set contains: SWISS+BURR™**
1x Extra Close handle, 1x E100S and 1x E400 blades plus five different shaped diamond coated files:
rectangular, square, triangular, round and half round.

8 PIECES

| Number of Pieces | Description | Order Code SWT-109 |
|---|---|---|
| 8 | Filing & Deburring Set | -1350Z |

# HAND DEBURRING TOOLS



## SWISS+BURR C3 Hand Scraper Set

3 cutting edges which when combined with a telescopic holder allow easy access to deburr small holes in difficult positions.

**The C3 set contains: SWISS+BURR™** 1x ergonomic handle, 1x **C** type blade holder, and 1x **C42** blade.

3 PIECES

| Type | Description | Order Code SWT-109 |
|---|---|---|
| 3 | C3 Scraper Set | -5030C |

**Scraper Blades**

**C40 HSS Small Triangular Scraper (4.00mm)**
For precision work on back edge and inner surface of holes and flat surfaces.

**C42 HSS Small Triangular Scraper (8.00mm)**
For precision work on back edge and inner surface of holes and flat surfaces.

| Type | Description | Order Code SWT-109 |
|---|---|---|
| C40 | Triangular 4 x 20mm | -1220M |
| C42 | Triangular 8 x 30mm | -1230N |

## SWISS+BURR D3 Hand Deburring Set

For scraping surfaces & deburring sheet metal up to 3mm thick.

**The D3 set contains: SWISS+BURR™** 1x ergonomic handle, 1x **D** type blade holder and 1x **D80** blade.

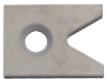
3 PIECES

| Type | Description | Order Code SWT-109 |
|---|---|---|
| 3 | D3 Hi Deburring Set | -5040D |

## SWISS+BURR Corner Chamfering Blades

**D80 Solid Carbide Blade**
For sheet metal and flat surfaces, for scraping surfaces and deburring sheet metal up to 3mm thick.

**D82 Solid Carbide Heavy Duty Blade**
With double edge for deburring sheet metal, for deburring sheet metal up to 9mm thick.



| Type | Description | Order Code SWT-109 |
|---|---|---|
| D80 | Sheet up to 3mm | -1340V |
| D82 | Sheer up to 8mm | -1350W |

## SWISS+BURR Mini Burr Set

Lightweight reinforced plastic handle with easy grip and pocket clip. Handle will hold all **E** style heavy duty blades, supplied with 1x **E100** blade. Removable cap for blade storage.

2 PIECES

| Number of pieces | Description | Order Code SWT-109 |
|---|---|---|
| 2 | Mini Burr Set | -2600P |

## SWISS+BURR Deburring Holders

- Modular system of interchangeable handles, holders & blades
- For deburring holes, slots and edges on metals and plastics
- Interchangeable with commonly available brands

| Type | Suitable For Type | Weight each | Order Code SWT-109 |
|---|---|---|---|
| D | D Corner Chamfering Blades | 40g | -1300R |

## SWISS+BURR F3 Hand Chamfering & Countersinking Set

For hole edges up to 20.00mm.
**The F3 set contains:**
**SWISS+BURR™** 1x ergonomic handle,
1x **F** type blade holder and
1x **F20** countersink.

3 PIECES

| Type | Description | Order Code SWT-109 |
|---|---|---|
| 3 | B4 Deburring Set | -5070G |

## SWISS+BURR Countersinks - 90° Included Angle

**F12**
HSS countersink for hole edges up to 12mm dia.

**F20**
HSS countersink for hole edges up to 20mm dia.

**F30**
HSS countersink for hole edges up to 30mm dia.

| Type | Description | Order Code SWT-109 |
|---|---|---|
| F12 (C12) | Drilled holes up to 12mm Sredn. | -1610Q |
| F20 (C20) | Drilled holes up to 20mm Sredn. | -1620R |
| F30 (C30) | Drilled holes up to 30mm Sredn. | -1630S |

## SWISS+BURR DB3 Double Burr Hand Deburring Set

For deburring materials with single or double straight edges up to 14.00mm thick, blade holder fitted with safety hand guard.

**The DB3 set contains: SWISS+BURR™** 1x ergonomic handle, 1x blade holder and 2x **N80** blades.

3 PIECES

| Description | Order Code SWT-109 |
|---|---|
| DB3 Double Burr Hi Deburring Set | -2400K |

**Replacement Blades**
**N80** - HSS double edged round blade for straight edge and sheet metal deburring on materials with spiral chips.
**N80K** - HSS blade with eight cutting edges for slots and keyways up to 15.00mm wide.

| Type | Description | Order Code SWT-109 |
|---|---|---|
| N80 | Blade for type DB3 | -2079K |
| N80K | Blade for Type KB3 | -2090N |

## SWISS+BURR KB3 Set of Wedge Groove Deburrers

**Set of 3**
For deburring and cleaning the edges of inner and outer wedge and dovetail grooves up to 15mm.
The set includes: 1x ergonomic handle SWISS BURR™, 1x holder and 1x knife N80K.

| Number of Pieces | Order Code SWT-109 |
|---|---|
| 3 | -2500M |

3 PIECES

# ISO MILLING INSERTS



YAMALOY
YAMALOY TOOLING · JAPAN

**K10** **Insert Grade**
**K10** (ISO **K05-K15**) Micrograin uncoated. For cast iron, aluminium alloy, other non-ferrous materials including titanium and nickel alloy.

**K20** **K20** (ISO **K05-K20**) Micrograin uncoated. For cast iron, aluminium alloy, other non-ferrous materials including titanium and nickel alloy.

**QK25C** **QK25C (K15 - K30)** Coated. For milling cast irons.

**QM3535** **QM3535 (P20 - P35)** PVD TiAlN Coated for milling of steel. Comprehensive grade which covers wide application range due to substrate providing optimal wear resistance and toughness.

**QP25** **QP25 (P25)** Uncoated. For medium and finish milling of steels.

**QP25C** **QP25C (P10 - P35)** CVD coated. Milling grade for steel and some stainless steels.

**QP30P** **QP30P (P10 - P35)** PVD Coated. Milling grade for steel and some stainless steels.

**QP40** **QP40 (P40)** Uncoated. For rough medium and finish milling of tough Steels and Stainless Steels including interrupted cutting.

**QX530** **QX530 (P20 - P40, M20 - M30)** Coated. A good general purpose steel grade for roughing. Use on steels, cast steel and stainless steel.

**Chipbreaker**

| Chip Breaker | Application |
|---|---|
| **AL** | Aluminium & non Ferrous (Polished) |
| **EM** | Medium |
| **MF** | Finish/Light |
| **MM** | Medium/Light Roughing |

## APKT

| Insert Size **APKT** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 1003PDR | EM | QP30P | **-0028W** |
| 1604PDR | AL | K10 | **-0029K** |
| 160PDTR | - | QP30P | **-0030W** |
| 160PDTR | - | QK25C | **-0030X** |
| 160PDTR | - | K20 | **-0031V** |

## OFKR

| Insert Size **OFKR** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 05T308 | MF | QP25C | **-2388W** |

## OFKT

| Insert Size **OFKT** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 05T308 | MM | QP25C | **-2384W** |

## SDMT

| Insert Size **SDMT** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 12T308 | - | QX530 | **-4280E** |

## SEHT

| Insert Size **SEHT** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 1204AFTN | - | K20 | **-4430V** |
| 1204AFTN | - | QP25C | **-4430W** |

## SEHT

| Insert Size **SEHT** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 120408 | - | QP25C | **-4432W** |

## SEHW

| Insert Size **SEHW** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 120AFTN05 | - | K20 | **-4445V** |
| 120AFTN05 | - | **QP25C** | **-4445W** |

## SEKN

| Insert Size **SEKN** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 1203AFFN | - | K20 | **-4517V** |
| 1203AFTN | - | QP40 | **-4527S** |

## SEKR

| Insert Size **SEKR** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 1203AFTN05 | - | K20 | **-4617V** |
| 1203AFTN05 | - | QP25C | **-4627W** |

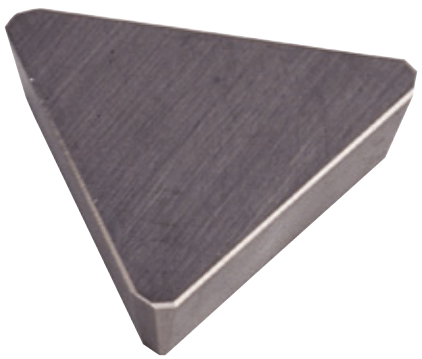
## SNKN

| Insert Size **SNKN** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| **1204-ENN** | - | QP25 | **-5227P** |

## SPKN

| Insert Size **SPKN** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 1203EDR | - | K20 | **-6328V** |
| 1203EDTR | - | QM3535 | **-6338M** |
| 1203EDTR | - | QP40 | **-6338S** |
| 1504EDTR | - | QP25 | **-6368P** |

## TPKN



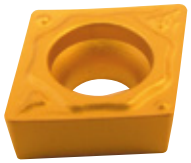
| Insert Size **TPKN** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 1603PRP | - | K20 | **-8428V** |
| 1603PPTR | - | QP25 | **-8438P** |
| 1603PPTR | - | QP40 | **-8438S** |
| 2204PDR | - | K20 | **-8458V** |
| 2204PDSR | - | QM3535 | **-8468M** |
| 2204PDTR | - | QP40 | **-8468S** |

# INSERTS - ISO TURNING

YAMALOY YAMALOY TOOLING · JAPAN — Think POSITIVE... and NEGATIVE — YAMALOY YAMALOY TOOLING · JAPAN

## CCGT

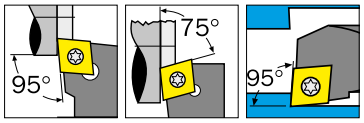
| | |
|---|---|
| P | STEEL |
| M | STAINLESS STEEL |
| K | CAST IRON |
| N | ALUMINIUM |
| S | SUPER ALLOYS |
| H | HARDENED STEEL |



| Chip Breaker | Application |
|---|---|
| PF | Finish |
| AL | Med Cut (Alum) |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| K10 | - | - | 05 - 20 | | | | ✓ | | |
| QX500 | 10 - 25 | - | - | ✓ | ✓ | ✓ | ✓ | | |
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |

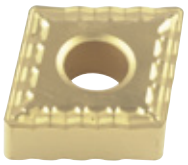
**Suitable for External/Internal Toolholders:**




SCLC- SCKC- S_ _ _SCLC-

| Insert Size CCGT | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 060202 | AL | K10 | -0121N |
| 060204 | AL | K10 | -0131N |
| 060204 | PF | QX500 | -0223A |
| 060204 | PF | QX520 | -0223D |
| 09T302 | AL | K10 | -0151N |
| 09T304 | PF | QX500 | -0263A |
| 09T304 | PF | QX520 | -0263D |
| 09T304 | AL | K10 | -0161N |
| 09T308 | AL | K10 | -0169N |
| 120402 | AL | K10 | -0171N |
| 120404 | AL | K10 | -0181N |
| 120408 | AL | K10 | -0191N |

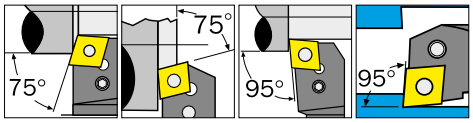
## CNMG



| Chip Breaker | Application |
|---|---|
| NF3 | Finish |
| NSA | Light Cut |
| NM5 | Med Cut |
| NM6 | Med Cut |
| ST | Med Cut |
| NM7 | Med/Rough |
| NR9 | Rough |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX530 | 20 - 40 | 20 - 30 | - | ✓ | ✓ | | | | |
| QX5030 | 25 - 35 | 15 - 25 | - | ✓ | ✓ | | | | |
| QX535S | - | 10 - 30 | - | | ✓ | | | | |
| QX8010 | 10 | 10 | 10 | ✓ | ✓ | ✓ | ✓ | | |

**Suitable for External/Internal Toolholders:**




PCBN- PCKN- PCLN- S_ _ _PCLN-

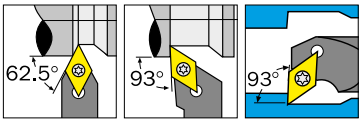
| Insert Size CNMG | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 120404 | NM6 | QX5030 | -0711H |
| 120408 | NSA | QX8010 | -0724K |
| 120408 | NM6 | QX5030 | -0716H |

## DCMT

| Chip Breaker | Application |
|---|---|
| PM | Med Cut |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX5020 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX5030 | 25 - 35 | 15 - 25 | | ✓ | ✓ | | | | |

**Suitable for Internal/External Toolholders:**




SDNC- SDJC- S_ _ _SDUC-

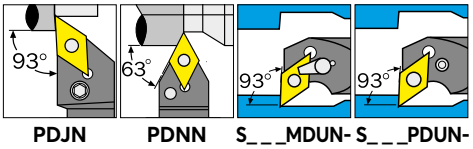
| Insert Size DCMT | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 070204 | PM | QX520 | -1314D |
| 11T304 | PM | QX520 | -1328D |
| 11T304 | PM | QX5030 | -1328H |
| 11T308 | PM | QX5030 | -1335H |
| 11T308 | PM | QX5020 | -1335G |

## DNMG

| Chip Breaker | Application |
|---|---|
| NF3 | Finish |
| NSS | Light/Med Cut |
| NM4 | Med Cut |
| NM5 | Med Cut |
| NM6 | Med Cut |
| ST | Med Cut |
| NM7 | Med/Rough |
| NR8 | Rough |
| NR9 | Rough |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX505 | - | - | 05 - 15 | ✓ | | ✓ | | | |
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX530 | 20 - 40 | 20 - 30 | - | ✓ | ✓ | | | | |
| QX5020 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX5030 | 25 - 35 | 15 - 25 | - | ✓ | ✓ | | | | |
| QX535S | - | 10 - 30 | - | | ✓ | | | | |
| QX8010 | 10 | 10 | 10 | ✓ | ✓ | ✓ | ✓ | | |

**Suitable for Internal/External Toolholders:**




PDJN PDNN S_ _ _MDUN- S_ _ _PDUN-

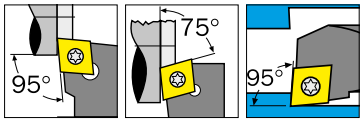
| Insert Size DNMG | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 110404 | NM4 | QX5020 | -1574G |
| 110408 | NM4 | QX5020 | -1575G |
| 150604 | NM6 | QX520 | -1696E |
| 150608 | NM6 | QX5030 | -1716H |

## CCMT

| Chip Breaker | Application |
|---|---|
| PM | Med Cut |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX500 | 05 - 15 | - | - | ✓ | ✓ | ✓ | ✓ | | |
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX5020 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX5030 | 25 - 35 | 15 - 25 | - | ✓ | ✓ | | | | |

**Suitable for External/Internal Toolholders:**




SCLC- SCKC- S_ _ _SCLC-

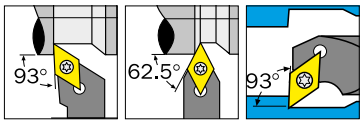
| Insert Size CCMT | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 060202 | PM | QX500 | -0351A |
| 060202 | PM | QX5020 | -0351G |
| 060202 | PM | QX500 | -0355A |
| 060204 | PM | QX520 | -0355D |
| 060204 | PM | QX5030 | -0355H |
| 060204 | PM | QX500 | -0403A |
| 09T304 | PM | QX520 | -0403D |
| 09T304 | PM | QX5030 | -0403H |
| 09T304 | PM | QX500 | -0406A |
| 09T308 | PM | QX5020 | -0406G |
| 120404 | PM | QX5020 | -0410G |

## DCGT

| Chip Breaker | Application |
|---|---|
| PF | Finish |
| AL | Med Cut (Alum) |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| K10 | - | - | 05 - 20 | | | | ✓ | | |
| QX500 | 10 - 25 | - | - | ✓ | ✓ | ✓ | ✓ | | |
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX530 | 20 - 40 | 20 - 30 | - | ✓ | ✓ | | | | |

**Suitable for Internal/External Toolholders:**




SDJC- SDNC- SDUC-

| Insert Size DCGT | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 070202 | AL | K10 | -1021N |
| 070204 | AL | K10 | -1031N |
| 11T302 | AL | K10 | -1051N |
| 11T304 | PF | QX530 | -1263E |
| 11T304 | AL | K10 | -1061N |
| 11T308 | AL | K10 | -1071N |

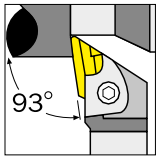
YAMALOY YAMALOY TOOLING • JAPAN — Think POSITIVE... and NEGATIVE — YAMALO YAMALOY TOOLING • JAPAN

## KNUX

| Chip Breaker | Application |
|---|---|
| R11 | Rough |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX530 | 20 - 40 | 20 - 30 | - | ✓ | ✓ | | | | |

**Suitable for External Toolholders:**




**CKJN-**

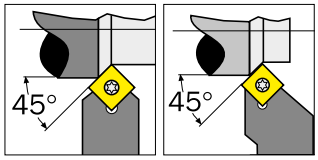
| Insert Size **KNUX** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 160405 | L11 | QX5030 | **-2223H** |
| 160405 | R_.__ | QX520 | **-2213D** |
| 160405 | R_.__ | QX530 | **-2213E** |

## SCMT

| Chip Breaker | Application |
|---|---|
| PM | Medium |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |

**Suitable for External Toolholders:**




**SSDC-** **SSSC-**

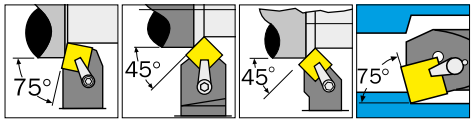
| Insert Size **SCMT** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 09T304 | PM | QX520 | **-0425D** |

## SPMR

| Chip Breaker | Application |
|---|---|
| PG | Medium |

| Grade | ISO Designation P | M | K | P | M | K |
|---|---|---|---|---|---|---|
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ |
| QX5020 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ |
| QX5030 | 25 - 35 | 15 - 25 | | ✓ | ✓ | |

**Suitable for Internal/External Toolholders:**

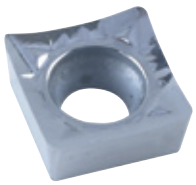



**CSBP-** **CSDP-** **CSSP-** **S___CSKP**

| Insert Size **SPMR** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 120304 | PG | QX520 | **-6642D** |
| 120308 | PG | QX5030 | **-6662H** |
| 120308 | PG | QX5020 | **-6662G** |

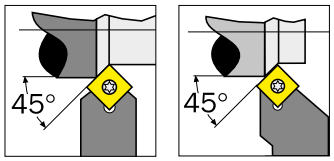
## SCGT

| Chip Breaker | Application |
|---|---|
| AL | Medium (Alum) |



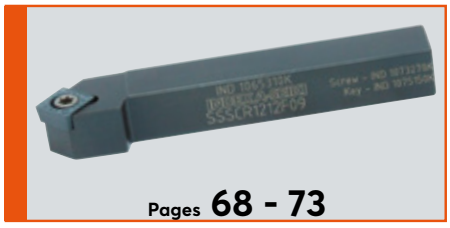
| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| K10 | - | - | 05 - 20 | | | | ✓ | | |

**Suitable for External Toolholders:**




**SSDC-** **SSSC-**

| Insert Size **SCGT** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 09T308 | AL | K10 | **-4169N** |



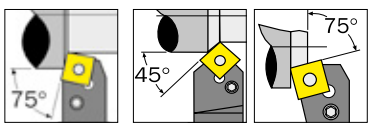
Pages **68 - 73**

## SNMG

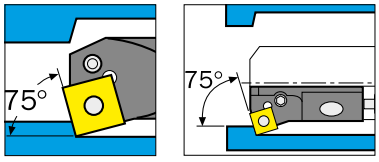
| Chip Breaker | Application |
|---|---|
| NM6 | Med Cut |
| ST | Med Cut |
| NM7 | Med/Rough |
| NR8 | Rough |
| NR9 | Rough |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX530 | 20 - 40 | 20 - 30 | - | ✓ | ✓ | | | | |
| QX5030 | 25 - 35 | 15 - 25 | | ✓ | ✓ | | | | |

**Suitable for Internal/External Toolholders:**




**PSBN-** **PSDN-** **PSKN-**

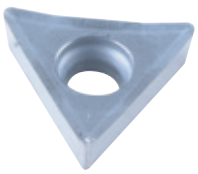



**S___PSKN-** **PSKN-**

| Insert Size **SNMG** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 120404 | NM6 | QX5030 | **-5336H** |

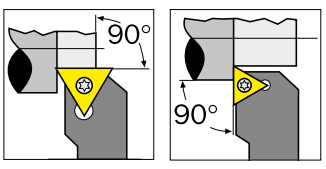
## TCGT

| Chip Breaker | Application |
|---|---|
| PF | Finish |
| AL | Medium |

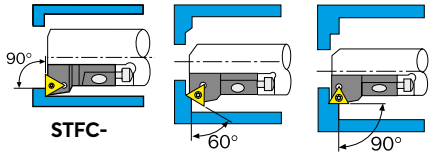


| Grade | ISO Designation P | M | K | P | M | K |
|---|---|---|---|---|---|---|
| K10 | - | - | 05 - 20 | | | ✓ |
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ |
| QX5020 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ |

**Suitable for Internal/External Toolholders:**




**STFC-** **STGC-**




**STFC-** **STTC-** **STGC-**

| Insert Size **TCGT** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 110202 | AL | K10 | **-6931N** |
| 110204 | AL | K10 | **-6941N** |
| 16T304 | AL | K10 | **-6971N** |
| 16T304 | PF | QX5020 | **-7073G** |
| 16T308 | AL | K10 | **-6981N** |

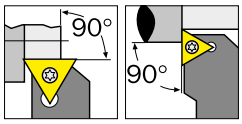
YAMALOY YAMALOY TOOLING · JAPAN

## TCMT

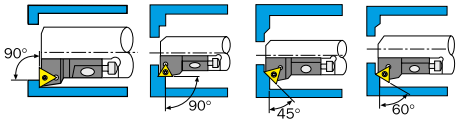
| Chip Breaker | Application |
|---|---|
| PM | Med Cut |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX500 | 10 - 25 | - | - | ✓ | ✓ | ✓ | | | |
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX5020 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |

**Suitable for Internal/External Toolholders:**




STFC- STGC-

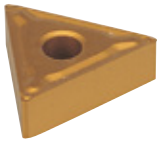



STFC- STGC- STSC- STTC-

| Insert Size TCMT | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 090204 | PM | QX5020 | -7110G |
| 110204 | PM | QX500 | -7120A |
| 110204 | PM | QX520 | -7120D |
| 16T304 | PM | QX500 | -7140A |
| 16T304 | PM | QX5020 | -7140G |
| 16T308 | PM | QX5020 | -7145G |

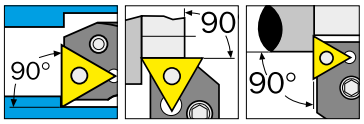
## TNMG

| Chip Breaker | Application |
|---|---|
| NF3 | Finish |
| NM5 | Med Cut |
| NM6 | Med Cut |
| ST | Med Cut |
| NM7 | Med Cut |
| NR8 | Rough |
| NR9 | Rough |

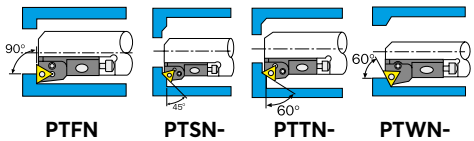


| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX5030 | 25 - 35 | 15 - 25 | - | ✓ | ✓ | | | | |
| QX535S | - | 10 - 30 | - | | ✓ | | | | |
| QX8010 | 10 | 10 | 10 | ✓ | ✓ | ✓ | ✓ | | |

**Suitable for Internal/External Toolholders:**




S_ _ _PTFN- PTFN- PTGN-




PTFN PTSN- PTTN- PTWN-

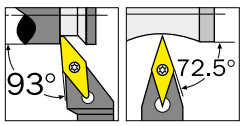
| Insert Size TNMG | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 160404 | NM6 | QX5030 | -7516H |
| 160408 | NM6 | QX5030 | -7526H |

## VCGT

| Chip Breaker | Application |
|---|---|
| AL | Med Cut |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| K10 | - | - | 05 - 20 | | | | ✓ | | |

**Suitable for External Toolholders:**




SVJC- SVVCN

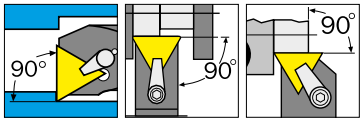
| Insert Size VCGT | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 110302 | AL | K10 | -9101N |
| 110304 | AL | K10 | -9111N |
| 160404 | AL | K10 | -9141N |
| 160408 | AL | K10 | -9151N |
| 160412 | AL | K10 | -9161N |

## TPMR

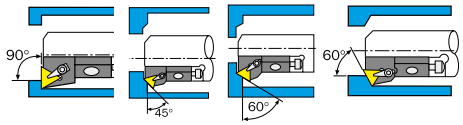
| Chip Breaker | Application |
|---|---|
| PG | Med/Cut |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX530 | 20 - 40 | 20 - 30 | | ✓ | ✓ | | | | |
| QX5020 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX5030 | 25 - 35 | 15 - 25 | | ✓ | ✓ | | | | |

**Suitable for Internal/External Toolholders:**




S_ _ _CTFR- CTCP- CTFP-

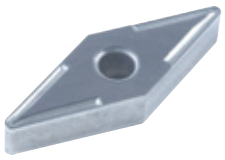



CTFP- CTSP- CTTP- CTWP-

| Insert Size TPMR | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 110304 | PG | QX5020 | -8742G |
| 110304 | PG | QX5030 | -8742H |
| 160304 | PG | QX520 | -8772D |
| 160308 | PG | QX520 | -8782D |
| 160308 | PG | QX5030 | -8782H |

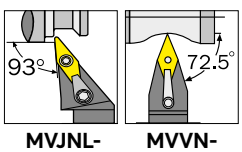
## VNMG

| Chip Breaker | Application |
|---|---|
| NFI | Finish |
| VF | Finish |
| NSS | Light/Medium |



| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX500 | 10 - 25 | - | - | ✓ | ✓ | ✓ | ✓ | | |
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | ✓ | | | |
| QX530 | 20 - 40 | 20 - 30 | - | ✓ | ✓ | | | | |
| QX5030 | 25 - 35 | 15 - 25 | - | ✓ | ✓ | | | | |
| QX8010 | 10 | 10 | 10 | ✓ | ✓ | ✓ | ✓ | | |

**Suitable for External Toolholders:**




MVJNL- MVVN-

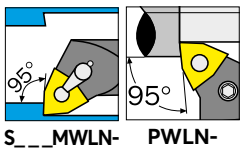
| Insert Size VNMG | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 12T302 | NFI | QX530 | -9402E |
| 12T304 | NFI | QX500 | -9404A |
| 12T304 | NFI | QX530 | -9404E |

## WNMG

| Chip Breaker | Application |
|---|---|
| NF3 | Finish |
| NSA | Light Cut |
| NSS | Light/Medium |
| NM4 | Med Cut |
| NM5 | Med Cut |
| NM6 | Med Cut |
| NSM | Med/Rough |

| Grade | ISO Designation P | M | K | P | M | K | N | S | H |
|---|---|---|---|---|---|---|---|---|---|
| QX500 | 10 - 25 | - | - | ✓ | ✓ | ✓ | ✓ | | |
| QX520 | 10 - 35 | 10 - 30 | 10 - 30 | ✓ | ✓ | | | | |
| QX5030 | 25 - 35 | 15 - 25 | - | ✓ | ✓ | | | | |
| QX8010 | 10 | 10 | 10 | ✓ | ✓ | ✓ | | | |

**Suitable for Internal/External Toolholders:**

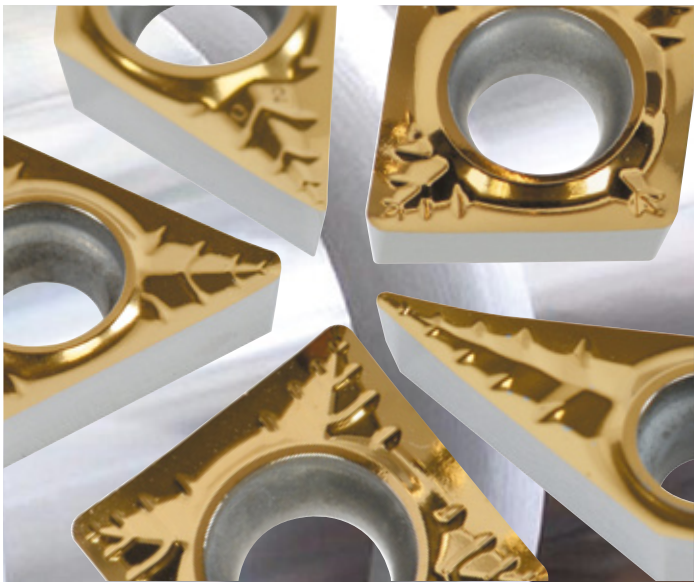



S_ _ _MWLN- PWLN-

| Insert Size WNMG | Chip-breaker | Grade | Order Code YML-120 |
|---|---|---|---|
| 060404 | NM4 | QX520 | -9774D |
| 060408 | NSS | QX8010 | -9780K |
| 080408 | NM6 | QX5030 | -9836H |

## Insert Geometry for Finishing and Semi-finishing of Aluminium and Aluminium Alloys

- Optimised edge and radius geometry.
- Improved surface finish.
- Improved chip control.
- 'G' Tolerance for high repeatability.
- First choice for machining pure aluminium.
- 30% longer insert life compared to uncoated grade.



## Grade K10C

**ISO N05-N15** PVD Coated. Micrograin carbide for machining aluminium and aluminium alloys, 30% higher tool life against uncoated grade. Smooth coating and polished surface gives better chip control.

## ALC Geometry

For finishing & semi finishing of aluminium and aluminium alloys. A unique breaker design gives a sharp cutting edge and positive rake angle. Special edge preparation and surface treatment produce better surface quality and greater chip control, reduced friction and vibration. 'G' tolerance inserts for higher repeatability.

## CCGX

Fits the same Internal/External Toolholders as CCGT

| Insert Size **CCGX** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 060202 | ALC | K10C | **-0312N** |
| 060204 | ALC | K10C | **-0314N** |
| 09T308 | ALC | K10C | **-0320N** |
| 120404 | ALC | K10C | **-0324N** |
| 120408 | ALC | K10C | **-0326N** |

## SCGX

Fits the same Internal/External Toolholders as SCGT

| Insert Size **SCGX** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| **120408** | ALC | K10C | **-4173N** |

## Feed Rates

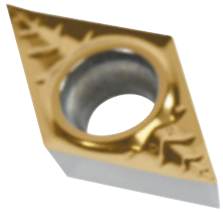
**For Machining Pure Aluminium**
Ap. DOC = 0.02 ~ 4.80 (mm)
F = 0.05~0.50 (mm/r)

**For Machining Aluminium Alloys**
Ap. DOC = 0.02 ~ 3.50 (mm)
F = 0.05~0.40 (mm/r)

**30% LONGER INSERT LIFE COMPARED TO UNCOATED GRADE**

## DCGX

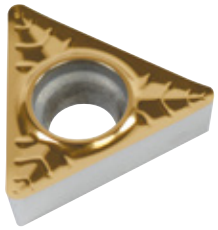
Fits the same Internal/External Toolholders as DCGT



| Insert Size **DCGX** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 070204 | ALC | K10C | **-1282N** |
| 11T304 | ALC | K10C | **-1291N** |

## TCGX

Fits the same Internal/External Toolholders as TCGT



| Insert Size **TCGX** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 16T308 | ALC | K10C | **-7096N** |

## VCGX

Fits the same Internal/External Toolholders as VCGT

| Insert Size **VCGX** | Chip-breaker | Grade | Order Code **YML-120** |
|---|---|---|---|
| 110302 | ALC | K10C | **-9201N** |
| 110304 | ALC | K10C | **-9203N** |
| 160404 | ALC | K10C | **-9233N** |

# JOBBER DRILLS

## SWISS+TECH HSS Straight Shank TiN Tipped Jobber Drills

Bright body with TiN coating on working part. For drilling in steel, cast steel alloyed and non-alloyed, grey cast iron, graphite and malleable cast iron. Point angle: 118°, helix angle: normal, web thickness: standard, relief angle: normal, tolerance of diameter: h8, tolerance of shank: f11. Manufactured to **DIN 338**.

DIN 338 For Dimensions See Pages 31 - 32

HSS TiN-tip

**Series 1004 - Metric**

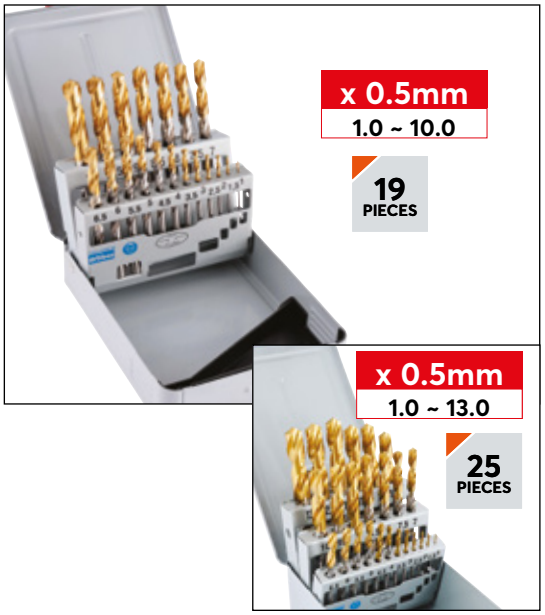
| Diameter (mm) | Order Code SWT-125 |
|---|---|
| 1.00 | -5010A |
| 1.10 | -5011A |
| 1.20 | -5012A |
| 1.30 | -5013A |
| 1.40 | -5014A |
| 1.50 | -5015A |
| 1.60 | -5016A |
| 1.70 | -5017A |
| 1.80 | -5018A |
| 1.90 | -5019A |
| 2.00 | -5020A |
| 2.10 | -5021A |
| 2.20 | -5022A |
| 2.30 | -5023A |
| 2.40 | -5024A |
| 2.50 | -5025A |
| 2.60 | -5026A |
| 2.70 | -5027A |
| 2.80 | -5028A |
| 2.90 | -5029A |
| 3.00 | -5030A |
| 3.10 | -5031A |
| 3.20 | -5032A |
| 3.30 | -5033A |
| 3.40 | -5034A |
| 3.50 | -5035A |
| 3.60 | -5036A |
| 3.70 | -5037A |
| 3.80 | -5038A |
| 3.90 | -5039A |
| 4.00 | -5040A |
| 4.10 | -5041A |
| 4.20 | -5042A |
| 4.30 | -5043A |
| 4.40 | -5044A |
| 4.50 | -5045A |

| Diameter (mm) | Order Code SWT-125 |
|---|---|
| 4.60 | -5046A |
| 4.70 | -5047A |
| 4.80 | -5048A |
| 4.90 | -5049A |
| 5.00 | -5050A |
| 5.10 | -5051A |
| 5.20 | -5052A |
| 5.30 | -5053A |
| 5.40 | -5054A |
| 5.50 | -5055A |
| 5.60 | -5056A |
| 5.70 | -5057A |
| 5.80 | -5058A |
| 5.90 | -5059A |
| 6.00 | -5060A |
| 6.10 | -5061A |
| 6.20 | -5062A |
| 6.30 | -5063A |
| 6.40 | -5064A |
| 6.50 | -5065A |
| 6.60 | -5066A |
| 6.70 | -5067A |
| 6.80 | -5068A |
| 6.90 | -5069A |
| 7.00 | -5070A |
| 7.10 | -5071A |
| 7.20 | -5072A |
| 7.50 | -5075A |
| 7.80 | -5078A |
| 8.00 | -5080A |
| 8.10 | -5081A |
| 8.20 | -5082A |
| 8.30 | -5083A |
| 8.40 | -5084A |
| 8.50 | -5085A |
| 8.60 | -5086A |

| Diameter (mm) | Order Code SWT-125 |
|---|---|
| 8.70 | -5087A |
| 8.80 | -5088A |
| 9.00 | -5090A |
| 9.20 | -5092A |
| 9.50 | -5095A |
| 9.60 | -5096A |
| 9.80 | -5098A |
| 10.00 | -5100A |
| 10.20 | -5102A |
| 10.30 | -5103A |
| 10.50 | -5105A |
| 10.80 | -5108A |
| 11.00 | -5110A |
| 11.10 | -5111A |
| 11.20 | -5112A |
| 11.50 | -5115A |
| 11.70 | -5118A |
| 12.00 | -5120A |
| 12.50 | -5125A |
| 13.00 | -5130A |

### HSS TiN Tipped Jobber Drill Sets

**19 & 25 Piece Metric Sets**




| Number of Pieces | Order Code SWT-125 |
|---|---|
| 19 | -9010A |
| 25 | -9020A |

## SWISS+TECH HSS-Co 8% Straight Heavy Duty Drills

HSS-Co 8%

The addition of up to 8% cobalt allows higher speeds to be used without reducing the life of the tool, increasing productivity. 28° helix and 135° point.
Manufactured to **DIN 338 RN**. Point to **DIN 1412C**.

DIN 338 BS 328 For Dimensions See Pages 31 - 32

**Series 1020**

| Diameter (mm) | Order Code SWT-125 |
|---|---|
| 1.00 | -0410A |
| 1.40 | -0414A |
| 1.50 | -0415A |
| 1.60 | -0416A |
| 1.70 | -0417A |
| 1.80 | -0418A |
| 1.90 | -0419A |
| 2.00 | -0420A |
| 2.10 | -0421A |
| 2.20 | -0422A |
| 2.40 | -0424A |
| 2.50 | -0425A |
| 2.80 | -0428A |
| 2.90 | -0429A |
| 3.00 | -0430A |
| 3.10 | -0431A |
| 3.20 | -0432A |

| Diameter (mm) | Order Code SWT-125 |
|---|---|
| 3.30 | -0433A |
| 3.40 | -0434A |
| 3.50 | -0435A |
| 3.70 | -0437A |
| 3.80 | -0438A |
| 4.00 | -0440A |
| 4.10 | -0441A |
| 4.20 | -0442A |
| 4.30 | -0443A |
| 4.50 | -0445A |
| 4.80 | -0448A |
| 4.90 | -0449A |
| 5.00 | -0450A |
| 5.10 | -0451A |
| 5.20 | -0452A |
| 5.30 | -0453A |
| 5.50 | -0455A |

| Diameter (mm) | Order Code SWT-125 |
|---|---|
| 5.80 | -0458A |
| 6.00 | -0460A |
| 6.20 | -0462A |
| 6.40 | -0464A |
| 6.50 | -0465A |
| 6.70 | -0467A |
| 6.80 | -0468A |
| 7.00 | -0470A |
| 7.10 | -0471A |
| 7.20 | -0472A |
| 7.50 | -0475A |
| 7.80 | -0478A |
| 8.00 | -0480A |
| 8.20 | -0482A |
| 8.50 | -0485A |
| 9.00 | -0490A |
| 9.50 | -0495A |

| Diameter (mm) | Order Code SWT-125 |
|---|---|
| 10.00 | -0500A |
| 10.20 | -0502A |
| 10.50 | -0505A |
| 10.80 | -0508A |
| 11.00 | -0510A |
| 11.50 | -0515A |
| 11.70 | -0517A |
| 11.80 | -0518A |
| 11.90 | -0519A |
| 12.00 | -0520A |
| 12.50 | -0525A |
| 13.00 | -0530A |
| 13.50 | -0535A |
| 14.00 | -0540A |

## HSS-Co Straight Shank Heavy Duty TiN Tipped Drills

HSS-Co | TiN-tip

DIN 338 / BS 328 For Dimensions See Pages 31 - 32

Heavy-duty drill used to drill steels with a tensile strength up to 1,400 N/mm². Stainless steels, heat and acid resistant steels and phosphor bronze. TiN coating provides longer tool life.
Point angle: 135°. Helix angle: normal. Web thickness: strengthened. Relief angle: normal.
Tolerance of diameter: h8.
Manufactured to **DIN 338 RN**.

**DIN 1412A 135°**

**Series 1024 - Metric**

| Dia. (mm) | Order Code SWT-125 | Dia. (mm) | Order Code SWT-125 | Dia. (mm) | Order Code SWT-125 | Dia. (mm) | Order Code SWT-125 |
|---|---|---|---|---|---|---|---|
| 1.00 | -1710A | 3.50 | -1735A | 6.50 | -1765A | 10.50 | -1805A |
| 1.50 | -1715A | 4.00 | -1740A | 6.80 | -1768A | 11.00 | -1810A |
| 1.60 | -1716A | 4.20 | -1742A | 7.00 | -1770A | 12.00 | -1820A |
| 2.00 | -1720A | 4.50 | -1745A | 7.50 | -1775A | 12.50 | -1825A |
| 2.50 | -1725A | 4.90 | -1749A | 8.00 | -1780A | 13.00 | -1830A |
| 3.00 | -1730A | 5.00 | -1750A | 8.50 | -1785A | | |
| 3.20 | -1732A | 5.50 | -1755A | 9.00 | -1790A | | |
| 3.30 | -1733A | 6.00 | -1760A | 10.00 | -1800A | | |

## HSS-Co Straight Shank Heavy Duty TiN Coated Drills

HSS-Co | TiN

DIN 338 / BS 328 For Dimensions See Pages 31 - 32

Heavy-duty drill used to drill steels with a tensile strength up to 1,400 N/mm². Stainless steels, heat and acid resistant steels and phosphor bronze. TiN coating provides longer tool life. Point angle: 135°. Helix angle: normal. Web thickness: strengthened. Relief angle: normal. Tolerance of diameter: h8.
Manufactured to **DIN 338 RN**.

**DIN 1412C 135°**

**Series 1033**

| Dia. (mm) | Order Code SWT-125 | Dia. (mm) | Order Code SWT-125 | Dia. (mm) | Order Code SWT-125 | Dia. (mm) | Order Code SWT-125 |
|---|---|---|---|---|---|---|---|
| 1.00 | -0610A | 3.00 | -0630A | 5.10 | -0651A | 9.50 | -0695A |
| 1.10 | -0611A | 3.20 | -0632A | 5.20 | -0652A | 10.00 | -0700A |
| 1.20 | -0612A | 3.30 | -0633A | 6.00 | -0660A | 10.20 | -0702A |
| 1.50 | -0615A | 3.40 | -0634A | 6.30 | -0663A | 10.90 | -0709A |
| 1.60 | -0616A | 3.50 | -0635A | 6.50 | -0665A | 11.90 | -0719A |
| 1.70 | -0617A | 4.00 | -0640A | 6.80 | -0668A | 12.00 | -0720A |
| 2.00 | -0620A | 4.20 | -0642A | 7.00 | -0670A | 12.40 | -0724A |
| 2.10 | -0621A | 4.30 | -0643A | 8.00 | -0680A | 12.80 | -0728A |
| 2.30 | -0623A | 4.50 | -0645A | 8.50 | -0685A | 13.00 | -0730A |
| 2.50 | -0625A | 4.80 | -0648A | 8.70 | -0687A | | |
| 2.60 | -0626A | 4.90 | -0649A | 9.00 | -0690A | | |
| 2.70 | -0627A | 5.00 | -0650A | | | | |

## HSS-Co Straight Shank Long Series Drills

HSS-Co

HEAVY DUTY

Heavy duty drill used for deep holes in steels with a tensile strength up to 1,400 N/mm². Stainless steels, heat and acid-resistant steels and hard bronze. Point angle: 135°. Helix angle: normal. Web thickness: strengthened. Relief angle: normal. Tolerance of diameter: h8. Tolerance of shank: f11.
Manufacturing Standard: **DIN 340/BS328**.

**Series 4000 - Metric**

| Diameter (mm) | Flute Length | Overall Length | Weight per 10 | Order Code SWT-125 | Diameter (mm) | Flute Length | Overall Length | Weight per 10 | Order Code SWT-125 |
|---|---|---|---|---|---|---|---|---|---|
| 3.00 | 66.0 | 100.0 | 51g | -4030A | 5.50 | 91.0 | 139.0 | 213g | -4055A |
| 3.20 | 69.0 | 106.0 | 65g | -4032A | 6.00 | 91.0 | 139.0 | 238g | -4060A |
| 3.50 | 73.0 | 112.0 | 68g | -4035A | 6.50 | 97.0 | 148.0 | 300g | -4065A |
| 4.00 | 78.0 | 119.0 | 106g | -4040A | 8.00 | 109.0 | 165.0 | 496g | -4080A |
| 5.00 | 87.0 | 132.0 | 184g | -4050A | 8.50 | 109.0 | 165.0 | 548g | -4085A |
| 5.20 | 87.0 | 132.0 | 180g | -4052A | | | | | |

### TiN Tipped Jobber Drills

Scan the QR code

### TiN Coated Jobber Drills

Scan the QR code

### TiN Coated Stub Drills

Scan the QR code

# CENTRE/SPOTTING DRILLS

## HSS TiN Tipped Centre Drills

TiN-tip
HSS

Designed with spiral flutes and various lengths and forms to give high quality centre holes that suit most applications. TiN coating on working parts. 60° inclusive angle.
Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**

**Metric Series**

| Diameter | | Pilot Length | | Overall | Order Code |
|---|---|---|---|---|---|
| Body | Pilot | Min. | Max. | Length | **SWT-125** |
| 3.15 | 1.0 | 1.3 | 1.9 | 31.5 | **-5142A** |
| 4.00 | 1.60 | 2.0 | 2.8 | 35.5 | **-5143A** |
| 5.00 | 2.00 | 2.5 | 3.3 | 40.0 | **-5144A** |
| 6.30 | 2.50 | 3.1 | 4.1 | 45.0 | **-5145A** |
| 8.00 | 3.15 | 3.9 | 4.9 | 50.0 | **-5146A** |
| 10.00 | 4.00 | 5.0 | 6.2 | 56.0 | **-5147A** |
| 12.50 | 5.00 | 6.3 | 7.5 | 63.0 | **-5148A** |

## HSS TiN Tipped Spotting Drills

HSS
TiN-tip

Special drill for accurate and fast spotting on NC machines, jig drills and other capital-intensive boring machines. For countersinking and chamfering of tapping holes in one operation. Only suitable for shallow depth drilling.
**90° Point - Metric**

| Diam. (mm) | Flute Length | Overall Length | Order Code **SWT-125** |
|---|---|---|---|
| 4.00 | 12.0 | 46.0 | **-5180A** |
| 5.00 | 14.0 | 62.0 | **-5181A** |
| 6.00 | 16.0 | 66.0 | **-5182A** |
| 8.00 | 21.0 | 79.0 | **-5183A** |
| 10.00 | 24.0 | 89.0 | **-5184A** |
| 12.00 | 30.0 | 102.0 | **-5185A** |
| 16.00 | 35.0 | 115.0 | **-5187A** |

**90° Point 5 Piece Set**
**Contents:** 4.00, 6.00, 8.00, 10.00 and 12.00

| Number of Pieces | Order Code **SWT-125** |
|---|---|
| 5 | **-5190A** |

## Centre Drill Sets

TiN-tip
HSS
5 PIECES

Designed with spiral flutes and various lengths andforms to give high quality centre holes. TiN coating on working parts. 60° inclusive angle.
Manufactured to **BS 328 : Part 2 : 1986, DIN 333A, ISO 866, ISO 2540, ISO 2541.**
**Metric Sizes:** 4.00, 6.00, 8.00, 10.00 and 12.00mm.
**Imperial Sizes:** BS1, BS2, BS3, BS4 and BS5.

| Number of Pieces | Type | Order Code **SWT-125** |
|---|---|---|
| 5 | Metric | **-5155A** |
| 5 | Imperial | **-5140A** |

## Centre Drills

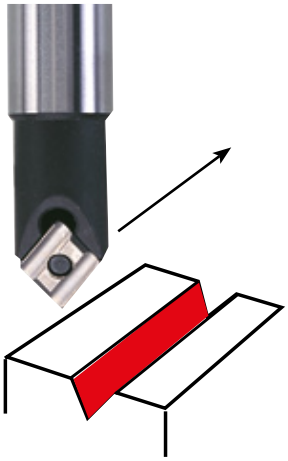
Scan the QR code

## INDEXA-SEIKI Multi-Pro Spot Drills & Chamfer Mills

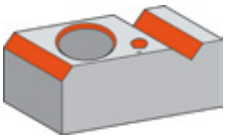
A spotting drill with all the advantages of indexable inserts - reduced tool maintenance time, increased performance, lower inventory cost and no regrinding requirements. The insert clamping method ensures accurate and secure location with quick change-over times. Multi-pro has a unique geometry which allows cutting over the centre line, using carbide, without chipping of the cutting edge. This versatile tool may be used to 'spot' holes prior to drilling, as a means to guide the drill and keep the hole straight, to keep size and accurately position, relative to the datum.
NB. The 118° inclusive tool is recommended for 'spotting' prior to drilling with 118° point drills. Countersinks may be produced prior to drilling to provide a corner break on a drilled hole, a chamfer conforming to drawing specifications, a lead in for a subsequent tapping operation, or a full countersink to accommodate a screw head. Corner chamfers on edges, contours and bores can be machined as light de-burring operations or full depth chamfers. Multi-pro may be used to produce vee grooves for fluid channels, locations for round components és grip pattern or serrations on jaws és clamp pads.

Hole Chamfer

Vee Groove Milling



**Application Range**

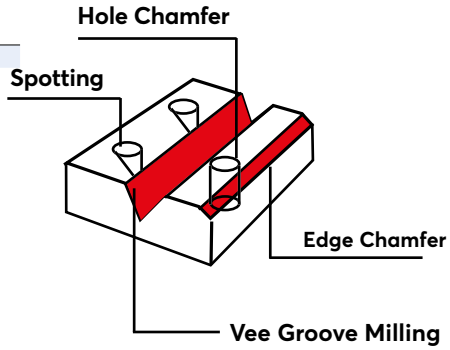


### 'Multi Pro Mini' - Uses C22 GUX Inserts

| Designation | Cutting Diameter | Overall Length | Included Angle | Shank Diameter | Order Code IND-139 |
|---|---|---|---|---|---|
| SCM 1045C | 8mm | 105mm | 90° | 10mm | -8050K |

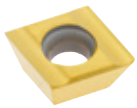
### 'Multi Pro Standard' - Uses C32 GUX Inserts

| Designation | Cutting Diameter | Overall Length | Included Angle | Shank Diameter | Order Code IND-139 |
|---|---|---|---|---|---|
| SC 1645C | 13mm | 110mm | 90° | 16mm | -8545K |




### Insert Grade Description

QM10 **(ISO P10/M10/K10)** Tin Coated Multi-purpose grade for general use, can cut the majority of ferrous and non-ferrous materials used in industry.



QS20 **(ISO P20)** Uncoated Grade for steel and stainless steel application.

QC10 **(ISO K10)** Uncoated Grade for cast irons, aluminiums, and non-ferrous materials.

## Speed & Feed Recommendations for Multi-Pro

| Group | Materials | Rockwell Hardness HRC | Recommended Grade | | Cutting Speed M/min | Type of Operation | Feed/Rev Pro Mini 105mm | Feed/Rev Pro Standard 110mm | Feed/Rev Pro Mini 165mm |
|---|---|---|---|---|---|---|---|---|---|
| 1.1 to 1.3 | Alloy Steels and castings | from 36 up to 45 | QS20 | QM10 | 80~100 | Spot Drilling<br>Chamfer Milling | 0.020<br>0.050 | 0.026<br>0.070 | 0.013<br>0.040 |
| 1.4 to 1.6 | Tool and die steels | from 45 up to 55 | QS20 | QM10 | 55~65 | Spot Drilling<br>Chamfer Milling | 0.012<br>0.030 | 0.016<br>0.050 | 0.008<br>0.020 |
| 2.1 to 2.3 | Stainless steels | up to 36 | QS20 | QM10 | 70~90 | Spot Drilling<br>Chamfer Milling | 0.020<br>0.040 | 0.026<br>0.060 | 0.013<br>0.030 |
| 3.1 to 3.4 | Cast irons | - | QC10 | QM10 | 100~120 | Spot Drilling<br>Chamfer Milling | 0.034<br>0.050 | 0.045<br>0.070 | 0.022<br>0.040 |
| 6.1 to 6.6 | Copper alloys brass and bronze | - | QC10 | QM10 | 120~150 | Spot Drilling<br>Chamfer Milling | 0.034<br>0.050 | 0.045<br>0.070 | 0.022<br>0.040 |
| 7.1 to 7.4 | Aluminium alloys | - | QC10 | QM10 | 120~150 | Spot Drilling<br>Chamfer Milling | 0.034<br>0.050 | 0.045<br>0.070 | 0.022<br>0.040 |

# INDEXABLE MILLING CUTTERS



## INDEXA™ Milling Cutters

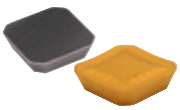
Super Positive 45° approach milling cutter, angle decreases cutting forces and allows a quick feed in a limited capacity machine. Plasma Ion coating offers longer tool life and greater hardness that is more resistant to wear. Through coolant as standard.

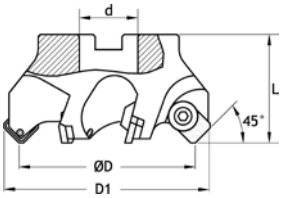
**XP-45C 'Face Hog' Milling Cutters**

Clamp style insert pocket with shim seats to protect the body in case of accident.

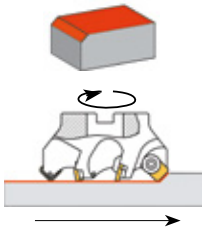
| Feed Per Tooth (mm) |
|---|
| 0.05 - 0.20 |

**Inserts SEKN 1203 or SEKR 1203**
**See page 81**






**Application Range**



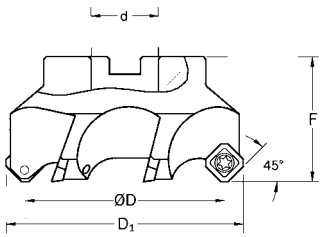
| Dia (mm) | $D_1$ | d | L | Z | Order Code **IND-139** |
|---|---|---|---|---|---|
| 63 | 76 | 22 | 50 | 5 | **-7600K** |

## INDEXA™ XP-45C 'Hi Shear' Milling Cutters

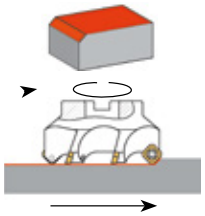
Torx screws allow for good chip evacuation.

| Feed Per Tooth (mm) |
|---|
| 0.05 - 0.20 |

**Inserts SEHT 1204**
**See page 81**




**Application Range**



**XP XTRA PLASMA COATED BODY**

| Dia (mm) | $D_1$ | d | F | Z | Order Code **IND-139** |
|---|---|---|---|---|---|
| 63 | 75 | 22 | 50 | 5 | **-7400K** |
| 80 | 92 | 27 | 50 | 6 | **-7420K** |

## INDEXA XP-90C 'APT' 90° Shell Mills

Positive 90° approach milling cutter, using size 10/16 inserts allowing depth passes and high feed per teeth. Torx screw allows for good chip evacuation. Plasma Ion coating offers longer tool life and greater hardness that is more resistant to wear. Through coolant as standard.

XP XTRA PLASMA COATED BODY

**Inserts APKT See 81**

| Insert Size | Feed Per Tooth (Fz) mm |
|---|---|
| APXT 10 | 0.05 - 0.20 |
| APXT 16 | 0.10 - 0.30 |

### XP-90C End Mills For AP_T 10 Inserts

APKT1003 or APXT1003

| D | Z | H | C | L | Order Code IND-139 | | Spares to suit Driver Order Code KEN-603 |
|---|---|---|---|---|---|---|---|
| 16 | 2 | 25 | 20 | 90 | -4860K | | -0080D |
| 20 | 3 | 25 | 20 | 110 | -4900K | | -0080D |

### XP-90C End Mills For AP_T 16 Inserts

APKT1604 or APXT1604

| D | Z | H | C | L | Order Code IND-139 | | Spares to suit Driver Order Code KEN-603 |
|---|---|---|---|---|---|---|---|
| 20 | 1 | 37 | 20 | 100 | -5000K | | -0150D |
| 25 | 2 | 40 | 25 | 117 | -5020K | | -0150D |
| 40 | 4 | 50 | 32 | 136 | -5060K | | -0150D |

## INDEXA XP-90C 'APT' 90° Shell Mills

Positive 90° approach milling cutter, using size 16 inserts allowing depth passes and high feed per teeth. Torx screw allows for good chip evacuation. Plasma Ion coating offers longer tool life and greater hardness that is more resistant to wear. Through coolant as standard.

XP XTRA PLASMA COATED BODY

**Inserts APKT 1604 See Page 81**

| Feed Per Tooth (Fz) mm |
|---|
| 0.10 - 0.30 |

### XP-90C Shell Mills For APKT 16 Inserts

APKT1604

| D | Z | H | C | L | Order Code IND-139 | | Spares to suit Driver Order Code KEN-603 |
|---|---|---|---|---|---|---|---|
| 50 | 4 | 22 | 10.4 | 50 | -3920K | | -0150D |
| 63 | 5 | 22 | 10.4 | 50 | -3940K | | -0150D |
| 80 | 6 | 27 | 12.7 | 50 | -3960K | | -0150D |

# SPINDLE NOSE TOOLING

## INDEXA Tool Locking Fixtures

**Universal**
Made from cast aluminium with machined carbon steel fittings, these fixtures are an invaluable asset in your machine shop. Universal in use, suitable for BT, DIN and CAT tool holders. Designed to give maximum protection for your tool holder whilst enabling strong gripping power to be exerted in both horizontal and vertical positions. It is tough but remains light in weight and its compact design makes it ideal for mounting on a work table or tool cart.

**Overall dimensions (L x W x H)**
**Taper size 40:** 200 x 155 x 100mm.
**Taper size 50**: 270 x 210 x 145mm.

Horizontal

Vertical

| Taper Size BT-DIN-CAT | Weight each | Order Code **IND-140** |
|---|---|---|
| 30 | 1.9kg | **-6630K** |
| 40 | 1.9kg | **-6640K** |
| 50 | 4.2kg | **-6650K** |

## INDEXA-SEIKI ER Industrial Hook Wrench

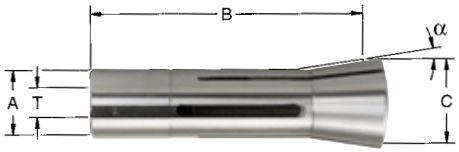
For ER8/ER40 collet nuts. Adjustable size, drop forged steel. Single hand adjustment. One spanner will cover 35 - 105 collet nuts.

**To suit collets:** ER 8, 16, 25, 32 and 40.
**Metric sizes:** 35, 50, 60, 70, 80, 90 and 105mm.

| Description | Weight each | Order Code **IND-140** |
|---|---|---|
| Adjustable | 500g | **-8100K** |

## INDEXA-SEIKI R8 Collets for Bridgeport

Used directly in the machine spindle for general purpose milling and drilling operations, collets have dedicated bores for specific cutter shank sizes.




Dimensions: A = 24.1mm, B = 102.3mm, C = 31.5mm T = 7/16" UNF.
Angle: a = 8°25'.

| Bore Size | Order Code **IND-144** |
|---|---|
| 6.0mm | **-3580K** |
| 10.0mm | **-3582K** |
| 12.0mm | **-3584K** |
| 16.0mm | **-3586K** |
| 20.0mm | **-3588K** |

**Flexible Rubber Collet Sets**
To suit Indexa-Seiki tapping heads. Supplied as sets of two collets.

| Tapping Head | Contact Length | Cone Angle | Outside Diameter | Order Code **IND-140** |
|---|---|---|---|---|
| JSN - 7 | 12mm | 36° | 15mm | **-9600K** |
| JSN - 12 | 12mm | 36° | 22mm | **-9610K** |
| JSN - 20 | 12mm | 36° | 26mm | **-9620K** |

# TAPPING HEAD SETS/EXTRACTORS



## INDEXA Tapping Head Sets

Each set is supplied complete with two rubber flex collets, two Morse arbors, kick bar and wrenches. Suitable for use with ISO, DIN and ANSI taps. Suitable for light and medium duty applications not for production machining. Range capacity is nominal sizes only and is dependent on tap shank dimensions (ISO or DIN).

**Model JSN-7**
**IND-144-8040K**

**Model JSN-12**
**IND-144-8050K**

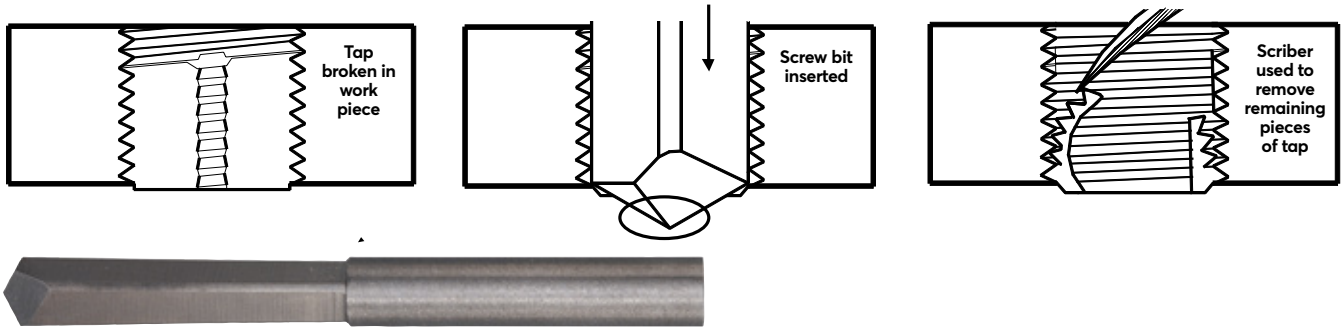
**Model JSN-20**
**IND-144-8060K**

| Model | Range | Morse Taper | Recommended Max. Speed | Reverse Ratio | Body Diameter | Overall Length | Clockwise Compression | Self Feed* | Clockwise Expansion | Order Code **IND-144** |
|---|---|---|---|---|---|---|---|---|---|---|
| JSN-7 | M2-7 | 1 & 3 | 1500 RPM | 01:01.6 | 52mm | 130mm | 5.0mm | 3.5mm | 10.0mm | **-8040K** |
| JSN12 | M4-12 | 3 & 4 | 1000 RPM | 01:01.8 | 75mm | 156mm | 5.0mm | 4.5mm | 14.0mm | **-8050K** |
| JSN-20 | M8-20 | 3 & 4 | 600 RPM | 01:01.7 | 90mm | 205mm | 6.0mm | 6.0mm | 14.0mm | **-8060K** |

## KENNEDY Solid Carbide Screw Drills

**CARBIDE**

Primarily designed for removing broken taps or bolts without damaging the component surface.
By drilling the core of a tap it is possible to remove the remaining pieces with a scriber. Screw drills are also suitable for drilling other hard materials including: hardened steels, glass, stellite etc. Select screw drill as per tap diameter. Steady manual feed component and spindle stability are vital. Drills should be running between 1,500 and 3,500 revs/min.
A steady and continuous manual feed should be applied.
No cutting fluid required.




*Or inch equivalent

| Type | Size | Weight each | Order Code **KEN-154** |
|---|---|---|---|
| SD2 | 2mm for M3* | 10g | **-1020K** |
| SD3 | 3mm for M4 - M5* | 10g | **-1030K** |
| SD4 | 4mm for M6 - M7* | 20g | **-1040K** |
| SD5 | 5mm for M8 - M10* | 30g | **-1050K** |
| SD6 | 6mm for M10 - M12* | 30g | **-1060K** |

**Solid Carbide Screw Drill Set**
**Contents:** SD2, SD3, SD4, SD5 and SD6

**5 PIECES**

| No. of Pieces | Weight per set | Order Code **KEN-154** |
|---|---|---|
| 5 | 80g | **-1100K** |

# SOLID CARBIDE DRILLS



## Solid Carbide Jobber Drills

CARBIDE

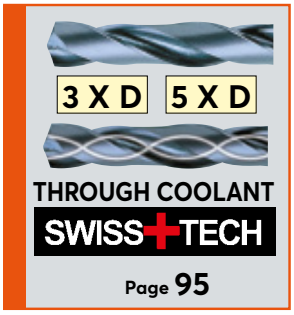
General purpose drills for drilling a wide variety of metallic and non-metallic materials.
Point angle: 118°. Tolerance of diameter: h7. Tolerance of shank: h6. Supply unit. All diameters - 1 pce.
Manufacturing Standard: **BS 328, DIN 338**.

DIN 338 BS 328

For Dimensions See Pages 31 - 32

**Series J102 - Metric**

| Dia. (mm) | Order Code SHR-158 |
|---|---|
| 1.00 | -5100K |
| 1.10 | -5110K |
| 1.20 | -5120K |
| 1.30 | -5130K |
| 1.40 | -5140K |
| 1.50 | -5150K |
| 1.60 | -5160K |
| 1.70 | -5170K |
| 1.80 | -5180K |
| 1.90 | -5190K |
| 2.00 | -5200K |
| 2.10 | -5210K |
| 2.20 | -5220K |
| 2.30 | -5230K |
| 2.40 | -5240K |
| 2.50 | -5250K |
| 2.60 | -5260K |
| 2.70 | -5270K |
| 2.80 | -5280K |
| 2.90 | -5290K |
| 3.00 | -5300K |
| 3.10 | -5310K |
| 3.20 | -5320K |
| 3.30 | -5330K |
| 3.40 | -5340K |
| 3.50 | -5350K |
| 3.70 | -5370K |
| 3.80 | -5380K |
| 4.00 | -5400K |
| 4.10 | -5410K |
| 4.20 | -5420K |
| 4.40 | -5440K |
| 4.50 | -5450K |
| 4.60 | -5460K |
| 4.80 | -5480K |
| 5.00 | -5500K |
| 5.10 | -5510K |
| 5.20 | -5520K |
| 5.30 | -5530K |
| 5.40 | -5540K |
| 5.50 | -5550K |
| 5.60 | -5560K |
| 5.70 | -5570K |
| 5.80 | -5580K |
| 6.00 | -5600K |
| 6.10 | -5610K |
| 6.20 | -5620K |
| 6.30 | -5630K |
| 6.50 | -5650K |
| 6.70 | -5670K |
| 6.80 | -5680K |
| 7.00 | -5700K |
| 7.20 | -5720K |
| 7.50 | -5750K |
| 8.00 | -5800K |
| 8.20 | -5820K |
| 8.30 | -5830K |
| 8.50 | -5850K |
| 8.60 | -5860K |
| 9.00 | -5900K |
| 9.50 | -5950K |
| 10.00 | -6000K |
| 10.20 | -6020K |
| 10.50 | -6050K |
| 11.00 | -6100K |
| 12.00 | -6200K |
| 12.50 | -6250K |
| 13.00 | -6300K |
| 14.00 | -6400K |




Page 95

## Solid Carbide Stub Drills

CARBIDE

For drilling into steel, cast steel, cast iron, chilled cast iron, malleable cast iron, non-ferrous materials and abrasive plastic.
Point angle: 118°, helix angle: 30°, tolerance of diameter: h7, tolerance of shank: h6.
Manufactured to **Works Standard**.

**Metric**

| Dia. (mm) | Flute Length | Overall Length | Order Code SHR-158 |
|---|---|---|---|
| 1.0 | 11.0 | 30.0 | -3100K |
| 1.3 | 13.0 | 30.0 | -3130K |
| 1.5 | 13.0 | 30.0 | -3150K |
| 1.6 | 17.5 | 40.0 | -3160K |
| 1.7 | 17.5 | 40.0 | -3170K |
| 1.8 | 17.5 | 40.0 | -3180K |
| 2.0 | 17.5 | 40.0 | -3200K |
| 2.4 | 17.5 | 40.0 | -3240K |
| 2.5 | 17.5 | 40.0 | -3250K |
| 3.0 | 20.0 | 45.0 | -3300K |
| 3.2 | 22.0 | 50.0 | -3320K |
| 3.3 | 22.0 | 50.0 | -3330K |
| 3.5 | 22.0 | 50.0 | -3350K |
| 4.0 | 22.0 | 50.0 | -3400K |
| 4.2 | 25.0 | 50.0 | -3420K |
| 4.5 | 25.0 | 50.0 | -3450K |
| 4.8 | 25.0 | 50.0 | -3480K |
| 5.0 | 25.0 | 50.0 | -3500K |
| 5.5 | 25.0 | 50.0 | -3550K |
| 6.0 | 25.0 | 50.0 | -3600K |
| 6.3 | 30.0 | 65.0 | -3630K |
| 6.5 | 30.0 | 65.0 | -3650K |
| 6.8 | 30.0 | 65.0 | -3680K |
| 7.0 | 30.0 | 65.0 | -3700K |
| 8.0 | 34.0 | 70.0 | -3800K |
| 8.1 | 34.0 | 70.0 | -3810K |
| 10.0 | 34.0 | 75.0 | -4100K |


## Carbide Printed Circuit Board Drills

See our range

Scan the QR Code

# SOLID CARBIDE DRILLS



## SHERWOOD QUALITY CUTTING TOOLS Carbide Spotting Drills

CARBIDE

Designed for close tolerance hole location. Suitable for continuous production on aluminium, plastics, free cutting steels, cast iron, titanium and some aerospace materials. The stability of carbide makes the tool more rigid and less likely to deflect, maintaining a higher level of accuracy. Operators should note that continuous heavy shock loading may cause the tool to fail due to its brittleness.

**90° Point - Metric**

**Metric Series**

| Diam. (mm) | Flute Length | Overall Length | Order Code SHR-158 |
|---|---|---|---|
| 4.00 | 10.0 | 40.0 | **-8540K** |
| 6.00 | 16.0 | 50.0 | **-8560K** |
| 8.00 | 23.0 | 60.0 | **-8580K** |
| 10.00 | 24.0 | 70.0 | **-8600K** |
| 12.00 | 25.0 | 70.0 | **-8620K** |

## SHERWOOD QUALITY CUTTING TOOLS Carbide Centre Drills

CARBIDE

Used to produce 60° centres in components for subsequent manufacturing operations to be carried out. Tool life is extended and difficult materialsmay be drilled. 60° included angle. 118° drill point.
Manufactured to **BS 328**.

**Tolerances**
Cutting Diameter +0.0005"
Shank Diameter +0.0010"

**Metric Series**

| Diameter | | Pilot Length | | Overall Length | Order Code SHR-158 |
|---|---|---|---|---|---|
| Body | Pilot | Min. | Max. | | |
| 4.00 | 1.60 | 2.0 | 2.8 | 35.5 | **-8110K** |
| 5.00 | 2.00 | 2.5 | 3.3 | 40.0 | **-8120K** |
| 6.30 | 2.50 | 3.1 | 4.1 | 45.0 | **-8130K** |
| 8.00 | 3.15 | 3.9 | 4.9 | 50.0 | **-8140K** |
| 10.00 | 4.00 | 5.0 | 6.2 | 56.0 | **-8150K** |
| 12.50 | 5.00 | 6.3 | 7.5 | 63.0 | **-8160K** |

## SHERWOOD QUALITY CUTTING TOOLS Solid Carbide Jobber Drills - Inch

**Series J102**
General purpose drills for drilling a wide variety of metallic and non-metallic materials. Point angle: 118°.Tolerance of diameter: h7. Tolerance of shank: h6. **BS 328, DIN 338**

| Drill Diameter | Order Code SHR-158 |
|---|---|
| 1/8" | **-4580K** |

## KENNEDY Carbide Centre Drills

Used to produce 60° centres in components for subsequent manufacturing operations to be carried out. Tool life is extended and difficult
materials may be drilled. 60° included angle. 118° drill point.
Manufactured to **BS 328**.

CARBIDE

**Tolerances**
Cutting Diameter +0.0005"
Shank Diameter +0.0010"

**Inch**

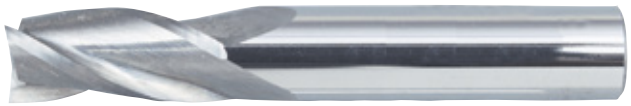
| Size | Diameter | | Overall Length | Weight each | Order Code KEN-158 |
|---|---|---|---|---|---|
| | Body | Drill | | | |
| BS1 | 1/8" | 3/64" | 1 1/2" | 10g | **-9010K** |
| BS2 | 3/16" | 5/64" | 1 7/8" | 10g | **-9020K** |
| BS3 | 1/4" | 7/64" | 2" | 20g | **-9030K** |
| BS4 | 5/16" | 1/8" | 2 1/8" | 30g | **-9040K** |
| BS5 | 7/16" | 3/16" | 2 3/4" | 70g | **-9050K** |

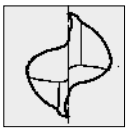
## SHERWOOD QUALITY CUTTING TOOLS Carbide Micrograin Plain Shank Milling Cutters

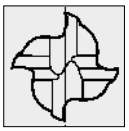
CARBIDE

For optimum performance and maximum swarf removal when plunging, slotting and routing in light alloys, brass, aluminium, non-ferrous and other soft materials.
Manufactured to **ANSi Standards**.
Two flute for maximum swarf clearance. Four flute for maximum rigidity.

| Tolerances Diameter Metric | Tolerance + | - |
|---|---|---|
| Over 1.00 ~ up to 6.00 | 0.000 | 0.050 |
| Over 6.00 ~ up to 25.00 | 0.000 | 0.080 |







**Regular Series**

| Diameter (mm) | Flute Length | Overall Length | Shank Dia. | 2 FLUTE Order Code SHR-161 | 4 FLUTE Order Code SHR-161 |
|---|---|---|---|---|---|
| 1.00 | 3.0 | 39.0 | 3.0 | -0020K | - |
| 1.50 | 5.0 | 39.0 | 3.0 | -0030K | - |
| 2.00 | 7.0 | 39.0 | 3.0 | -0040K | -6040K |
| 2.50 | 8.0 | 39.0 | 3.0 | -0050K | -6050K |
| 3.00 | 10.0 | 39.0 | 3.0 | -0060K | -6060K |
| 3.50 | 12.0 | 51.0 | 4.0 | -0070K | - |
| 4.00 | 14.0 | 51.0 | 4.0 | -0080K | -6080K |
| 4.50 | 14.0 | 51.0 | 5.0 | - | -6090K |
| 5.00 | 16.0 | 51.0 | 5.0 | -0100K | -6100K |
| 5.50 | 19.0 | 64.0 | 6.0 | - | - |
| 6.00 | 19.0 | 64.0 | 6.0 | -0120K | -6120K |
| 6.50 | 19.0 | 70.0 | 8.0 | - | -6130K |
| 7.00 | 19.0 | 64.0 | 8.0 | -0140K | -6140K |
| 8.00 | 21.0 | 64.0 | 8.0 | -0160K | -6160K |
| 9.00 | 22.0 | 70.0 | 10.0 | -0180K | -6180K |
| 10.00 | 25.0 | 70.0 | 10.0 | -0200K | -6200K |
| 11.00 | 25.0 | 70.0 | 11.0 | - | -6220K |
| 12.00 | 25.0 | 76.0 | 12.0 | -0240K | -6240K |
| 14.00 | 30.0 | 89.0 | 14.0 | -0280K | -6280K |
| 16.00 | 32.0 | 89.0 | 16.0 | -0320K | -6320K |
| 20.0 | 38.0 | 102.0 | 20.0 | -0400K | -6400K |

## SHERWOOD QUALITY CUTTING TOOLS Solid Carbide Micrograin Plain Shank End Mills 4 Flute Ball Nosed

CARBIDE

For maximum strength when milling harder materials where rapid swarf removal is not needed. Four flute milling cutters have one of the strongest tooth structures available in solid cutters. Centre cutting as standard.
Manufactured to **ANSI Standards**.

| Tolerances Diameter Metric | Tolerance + | - |
|---|---|---|
| Over 1.00 ~ up to 6.00 | 0.000 | 0.050 |
| Over 6.00 ~ up to 25.00 | 0.000 | 0.080 |

**Regular Series**

| Diameter (mm) | Flute Length | Overall Length | Shank Dia. | Order Code SHR-161 |
|---|---|---|---|---|
| 2.00 | 6.3 | 38.0 | 3.0 | -7040K |
| 3.00 | 12.0 | 38.0 | 3.0 | -7060K |
| 4.00 | 14.0 | 50.0 | 4.0 | -7080K |
| 5.00 | 16.0 | 50.0 | 6.0 | -7100K |
| 6.00 | 19.0 | 50.0 | 6.0 | -7120K |
| 8.00 | 20.0 | 63.0 | 8.0 | -7160K |
| 10.00 | 22.0 | 75.0 | 10.0 | -7200K |
| 12.00 | 25.0 | 75.0 | 12.0 | -7240K |
| 16.00 | 32.0 | 89.0 | 16.0 | -7320K |
| 20.00 | 38.0 | 100.0 | 20.0 | -7400K |

## SWISS+TECH Carbide Plain Shank Milling Cutters

Centre cutting. To **Manufacturers Standards**.

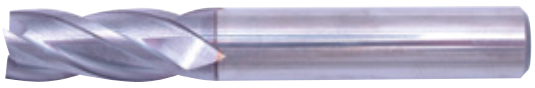
**HSS-Co 8% Uncoated** For general production machining.

**HSS-Co 8% TiCN Coated** Extends cutter tool life and improves work material surface finish.

**HSS-Co 8% TiALN Coated** Dissipates and resists heat, reduces surface friction coupled with high surface hardness.

**Series 50**
**4 Flute - Short Series**

CARBIDE TiCN

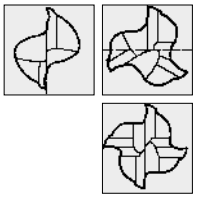


**EMC-4PS Carbide**

| Diameter (mm) | Flute Length | Overall Length | Shank Diameter | Order Code SWT-161 |
|---|---|---|---|---|
| 2.00 | 8.0 | 32.0 | 2.0 | -5002A |
| 2.50 | 8.0 | 32.0 | 2.5 | -5002L |
| 3.00 | 12.0 | 32.0 | 3.0 | -5003A |
| 4.00 | 12.0 | 40.0 | 4.0 | -5004A |
| 5.00 | 14.0 | 50.0 | 5.0 | -5005A |
| 6.00 | 16.0 | 50.0 | 6.0 | -5006A |
| 6.50 | 20.0 | 50.0 | 8.0 | -5006L |
| 8.00 | 20.0 | 60.0 | 8.0 | -5008A |
| 9.00 | 20.0 | 60.0 | 9.0 | -5009A |
| 10.00 | 20.0 | 70.0 | 10.0 | -5010A |
| 12.00 | 22.0 | 70.0 | 12.0 | -5012A |
| 14.00 | 25.0 | 75.0 | 14.0 | -5014A |
| 16.00 | 25.0 | 75.0 | 16.0 | -5016A |
| 20.00 | 32.0 | 100.0 | 20.0 | -5020A |

**6 Piece Sets**
Dimensions to **DIN 844.** Cutting diameter to **js12**.
Shank diameter to **h6**.
**Contents:** 3, 4, 5, 6, 8 and 10mm.

CARBIDE



| Number of Flutes | Series Number | Order Code SWT-161 |
|---|---|---|
| 3 | 48 | -4890A |
| 4 | 50 | -5028A |

## KENNEDY Carbide Micrograin Plain Shank Milling Cutters

For optimum performance and maximum swarf removal when plunging, slotting and routing in light alloys, brass, aluminium, non-ferrous and other soft materials.
Manufactured to **Works Standards**.

| Diameter Metric | Tolerance + | Tolerance - | Diameter Inch | Tolerance + | Tolerance - |
|---|---|---|---|---|---|
| Over 1.00 ~ up to 6.00 | 0.000 | 0.050 | Over 1/16" ~ up to 1/4" | 0.000 | 0.002 |
| Over 6.00 ~ up to 25.00 | 0.000 | 0.080 | Over 1/4" ~ up to 1" | 0.000 | 0.003 |

**4 Flute**

**Regular Series - Metric**

| Diameter (mm) | Flute Length | Overall Length | Shank Dia. | Order Code KEN-161 |
|---|---|---|---|---|
| 1.00 | 3.0 | 40.0 | 4.0 | **-6020K** |
| 2.00 | 8.0 | 32.0 | 2.0 | **-6040K** |
| 3.00 | 12.0 | 32.0 | 3.0 | **-6060K** |
| 4.00 | 14.0 | 40.0 | 4.0 | **-6080K** |
| 5.00 | 14.0 | 50.0 | 5.0 | **-6100K** |
| 6.00 | 16.0 | 50.0 | 6.0 | **-6120K** |
| 7.00 | 20.0 | 60.0 | 8.0 | **-6140K** |
| 8.00 | 20.0 | 60.0 | 8.0 | **-6160K** |
| 9.00 | 20.0 | 60.0 | 9.0 | **-6180K** |
| 10.00 | 22.0 | 70.0 | 10.0 | **-6200K** |
| 11.00 | 22.0 | 70.0 | 11.0 | **-6220K** |
| 12.00 | 22.0 | 70.0 | 12.0 | **-6240K** |
| 16.00 | 25.0 | 75.0 | 16.0 | **-6320K** |
| 20.00 | 32.0 | 100.0 | 20.0 | **-6400K** |

## KENNEDY Carbide Micrograin Plain Shank Slot Drills

**Long Series - 2 Flute**

For optimum performance and maximum swarf removal when plunging, slotting and routing in light alloys, brass, aluminium, non ferrous and other soft materials. Manufactured to **USCTi Standards.**

| Diameter Metric | Tolerances + | Tolerances - | Diameter Inch | Tolerances + | Tolerances - |
|---|---|---|---|---|---|
| Over 1.00 ~ up to 6.00 | 0.000 | 0.050 | Over 1/16" ~ up to 1/4" | 0.000 | 0.002 |
| Over 6.00 ~ up to 25.00 | 0.000 | 0.080 | Over 1/4" ~ up to 1" | 0.000 | 0.003 |

**Long Series - 4 Flute**

CARBIDE

**Long Series - Metric**

| Diameter (mm) | Flute Length | Overall Length | Shank Dia. | Weight each | Order Code KEN-161 |
|---|---|---|---|---|---|
| 3.00 | 20.0 | 60.0 | 3.0 | 15g | **-9203K** |
| 4.00 | 20.0 | 60.0 | 4.0 | 20g | **-9204K** |
| 5.00 | 25.0 | 75.0 | 5.0 | 30g | **-9205K** |
| 6.00 | 30.0 | 75.0 | 6.0 | 35g | **-9206K** |
| 8.00 | 30.0 | 75.0 | 8.0 | 40g | **-9208K** |
| 10.00 | 40.0 | 100.0 | 10.0 | 100g | **-9210K** |
| 12.00 | 45.0 | 100.0 | 12.0 | 130g | **-9212K** |
| 16.00 | 65.0 | 150.0 | 16.0 | 230g | **-9216K** |

## KENNEDY Carbide Micrograin Plain Shank Slot Drills

**Long Series - 2 Flute**

For optimum performance and maximum swarf removal when plunging, slotting and routing in most materials including brass, aluminium, non-ferrous and other soft materials.
Manufactured to **USCTi Standards**.

| Diameter Metric | Tolerances + | Tolerances - | Diameter Inch | Tolerances + | Tolerances - |
|---|---|---|---|---|---|
| Over 1.00 ~ up to 6.00 | 0.000 | 0.050 | Over 1/16" ~ up to 1/4" | 0.000 | 0.002 |
| Over 6.00 ~ up to 25.00 | 0.000 | 0.080 | Over 1/4" ~ up to 1" | 0.000 | 0.003 |

**3 Flute**

CARBIDE

**Long Series - Metric**

| Diameter (mm) | Flute Length | Overall Length | Shank Dia. | Order Code KEN-161 |
|---|---|---|---|---|
| 4.00 | 25.0 | 75.0 | 4.0 | **-4004K** |
| 5.00 | 25.0 | 75.0 | 6.0 | **-4005K** |
| 6.00 | 25.0 | 75.0 | 6.0 | **-4006K** |
| 8.00 | 25.0 | 75.0 | 8.0 | **-4008K** |
| 10.00 | 38.0 | 100.0 | 10.0 | **-4010K** |
| 12.00 | 50.0 | 100.0 | 12.0 | **-4012K** |
| 16.00 | 75.0 | 150.0 | 16.0 | **-4016K** |

## Slot Drills

See our range

Scan the QR Code

## KENNEDY Carbide Micrograin Plain Shank Milling Cutters

For optimum performance and maximum swarf removal when plunging, slotting and routing in light alloys, brass, aluminium, non-ferrous and other soft materials.
Manufactured to **Works Standards**.

**2 Flute** **Regular Series - Metric**

| Diameter (mm) | Flute Length | Overall Length | Shank Dia. | Weight each | Order Code KEN-161 |
|---|---|---|---|---|---|
| 1.00 | 3.0 | 40.0 | 4.0 | 15g | -0020K |
| 2.00 | | 32.0 | | | -0040K |
| 3.00 | 12.0 | 32.0 | 3.0 | 15g | -0060K |
| 4.00 | 12.0 | 40.0 | 4.0 | 20g | -0080K |
| 5.00 | 14.0 | 50.0 | 5.0 | 30g | -0100K |
| 6.00 | 16.0 | 50.0 | 6.0 | 35g | -0120K |
| 8.00 | 20.0 | 60.0 | 8.0 | 40g | -0160K |
| 9.00 | | 60.0 | | | -0180K |
| 10.00 | 22.0 | 70.0 | 10.0 | 100g | -0200K |
| 11.00 | 22.0 | 70.0 | 11.0 | 120g | -0220K |
| 12.00 | 22.0 | 70.0 | 12.0 | 130g | -0240K |
| 16.00 | 25.0 | 75.0 | 16.0 | 230g | -0320K |
| 20.00 | 32.0 | 100.0 | 20.0 | 240g | -0400K |

| Tolerances Diameter Metric | Tolerance + | Tolerance - | Diameter Inch | Tolerance + | Tolerance - |
|---|---|---|---|---|---|
| Over 1.00 ~ up to 6.00 | 0.000 | 0.050 | Over 1/16" ~ up to 1/4" | 0.000 | 0.002 |
| Over 6.00 ~ up to 25.00 | 0.000 | 0.080 | Over 1/4" ~ up to 1" | 0.000 | 0.003 |

**4 Flute** **Regular Series - Metric**

| Diameter (mm) | Flute Length | Overall Length | Shank Dia. | Weight each | Order Code KEN-161 |
|---|---|---|---|---|---|
| 1.00 | 3.0 | 40.0 | | | -3020K |
| 2.00 | 8.0 | 32.0 | 2.0 | 15g | -3040K |
| 3.00 | 12.0 | 32.0 | 3.0 | 15g | -3060K |
| 4.00 | 20.0 | 60.0 | | | -3080K |
| 5.00 | 14.0 | 50.0 | 5.0 | 30g | -3100K |
| 6.00 | 16.0 | 50.0 | 6.0 | 35g | -3120K |
| 7.00 | 20.0 | 60.0 | 7.0 | 40g | -3140K |
| 8.00 | 20.0 | 60.0 | 8.0 | 40g | -3160K |
| 9.00 | 20.0 | 60.0 | | | -3180K |
| 10.00 | 22.0 | 70.0 | 10.0 | 100g | -3200K |
| 11.00 | 22.0 | 70.0 | 11.0 | 120g | -3220K |
| 12.00 | 22.0 | 70.0 | 12.0 | 130g | -3240K |
| 20.00 | 32.0 | 100 | | | -3400K |

## KENNEDY Carbide Micrograin Plain Shank Slot Drills

**Long Series - 2 Flute**

For optimum performance and maximum swarf removal when plunging, slotting and routing in most materials including brass, aluminium, non-ferrous and other soft materials.
Manufactured to **USCTi Standards**.

**Long Series - Metric**

| Diameter (mm) | Flute Length | Overall Length | Shank Dia. | Weight each | Order Code KEN-161 |
|---|---|---|---|---|---|
| 3.00 | 20.0 | 60.0 | 3.0 | 15g | -1003K |
| 4.00 | 20.0 | 60.0 | 4.0 | 20g | -1004K |
| 5.00 | 25.0 | 75.0 | 5.0 | 30g | -1005K |
| 6.00 | 30.0 | 75.0 | 6.0 | 35g | -1006K |

| Tolerances Diameter Metric | Tolerance + | Tolerance - | Diameter Inch | Tolerance + | Tolerance - |
|---|---|---|---|---|---|
| Over 1.00 ~ up to 6.00 | 0.000 | 0.050 | Over 1/16" ~ up to 1/4" | 0.000 | 0.002 |
| Over 6.00 ~ up to 25.00 | 0.000 | 0.080 | Over 1/4" ~ up to 1" | 0.000 | 0.003 |

CARBIDE

| Diameter (mm) | Flute Length | Overall Length | Shank Dia. | Weight each | Order Code KEN-161 |
|---|---|---|---|---|---|
| 8.00 | 30.0 | 75.0 | 8.0 | 40g | -1008K |
| 10.00 | 40.0 | 100.0 | 10.0 | 100g | -1010K |
| 12.00 | 45.0 | 100.0 | 12.0 | 130g | -1012K |
| 16.00 | 65.0 | 150.0 | 16.0 | 230g | -1016K |

## SHERWOOD QUALITY CUTTING TOOLS Carbide Micrograin Plain Shank Slot Drills 2 Flute Ball Nosed

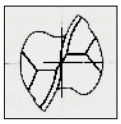
For optimum performance and maximum swarf removal when plunging, slotting and routing in most materials including brass, aluminium, non-ferrous and other soft materials.
Manufactured to **USCTi Standards.**

**Regular Series**

| Diameter (mm) | Flute Length | Overall Length | Shank Dia. | Weight each | Order Code SHR-161 |
|---|---|---|---|---|---|
| 2.00 | 4.0 | 38.0 | 3.0 | 10g | -1040K |
| 3.00 | 6.0 | 38.0 | 3.0 | 10g | -1060K |
| 4.00 | 8.0 | 50.0 | 4.0 | 15g | -1080K |
| 5.00 | 10.0 | 50.0 | 6.0 | 25g | -1100K |
| 6.00 | 12.0 | 50.0 | 6.0 | 25g | -1120K |

| Tolerances Diameter Metric | Tolerance + | Tolerance - |
|---|---|---|
| Over 1.00 ~ up to 6.00 | 0.000 | 0.050 |
| Over 6.00 ~ up to 25.00 | 0.000 | 0.080 |

CARBIDE



| Diameter (mm) | Flute Length | Overall Length | Shank Dia. | Weight each | Order Code SHR-161 |
|---|---|---|---|---|---|
| 8.00 | 20.0 | 63.0 | 8.0 | 55g | -1160K |
| 10.00 | 22.0 | 75.0 | 10.0 | 90g | -1200K |
| 12.00 | 25.0 | 75.0 | 12.0 | 120g | -1240K |
| 16.00 | 32.0 | 89.0 | 16.0 | 250g | -1320K |

## SWISS TECH HSS-Co 8% Weldon Shank Slot Drills 3 Flute

Centre cutting. Weldon shank to **DIN 1835B**.
Cutting diameter to **e8**.
Shank diameter to **h6**.

HSS-Co 8% TiCN TiALN

**HSS-Co 8% Uncoated** For general production machining.

**HSS-Co 8% TiCN Coated** Extends cutter tool life and improves work material surface finish.

**HSS-Co 8% TiALN Coated** Dissipates and resists heat, reduces surface friction coupled with high surface hardness.

**Series 06**
**Regular Series** Dimensions to **DIN 844**

SDH-3WR HSS-Co 8%

SDN-3WR TiCN Coated

SDL-3WR TiALN Coated

| Diameter. (mm) | Flute Length | Shank Diameter | Overall Length | Order Code SWT-163 | Order Code SWT-163 | Order Code SWT-163 |
|---|---|---|---|---|---|---|
| 3 | 8 | 6 | 52 | -0603A | -0633A | -0663A |
| 4 | 11 | 6 | 55 | -0604A | -0634A | -0664A |
| 5 | 13 | 6 | 57 | -0605A | -0635A | - |
| 6 | 13 | 6 | 57 | -0606A | -0636A | -0666A |
| 8 | 19 | 10 | 69 | -0608A | -0638A | -0668A |
| 9 | 19 | 10 | 69 | - | -0639A | - |
| 10 | 22 | 10 | 72 | -0610A | -0640A | -0670A |
| 12 | 26 | 12 | 83 | -0612A | -0642A | -0672A |
| 11 | 22 | 12 | 79 | -0611A | - | - |
| 13 | 26 | 12 | 83 | -0613A | - | - |
| 14 | 26 | 12 | 83 | -0614A | -0644A | -0674A |
| 16 | 32 | 16 | 92 | -0616A | -0646A | -0676A |
| 18 | 32 | 16 | 92 | -0618A | - | - |
| 20 | 38 | 20 | 104 | -0620A | -0650A | -0680A |
| 25 | 45 | 25 | 121 | -0625A | - | - |

## HSS-Co 8% Weldon Shank Slot Drills 3 élű

Centre Vrtaný. Weldon Průměr to **DIN 1835B**.
Vrtaný průměr to **e8**. Průměr průměr to **h6**.

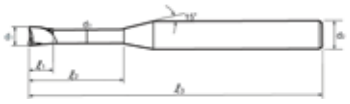
**Series 07**
**Long Series** Dimensions to **DIN 844**

| Diameter (mm) | Flute Length | Shank Diameter | Overall Length | SDH-3WL HSS-Co 8% Order Code SWT-163 |
|---|---|---|---|---|
| 3.00 | 12.0 | 6.0 | 56.0 | - |
| 4.00 | 19.0 | 6.0 | 63.0 | -0704A |
| 5.00 | 24.0 | 6.0 | 68.0 | -0705A |
| 6.00 | 24.0 | 6.0 | 68.0 | -0706A |
| 8.00 | 38.0 | 10.0 | 88.0 | -0708A |
| 10.00 | 45.0 | 10.0 | 95.0 | -0710A |
| 12.00 | 53.0 | 12.0 | 110.0 | -0712A |
| 14.00 | 53.0 | 12.0 | 110.0 | - |
| 16.00 | 63.0 | 16.0 | 123.0 | -0716A |
| 20.00 | 75.0 | 20.0 | 141.0 | -0720A |
| 22.00 | 75.0 | 20.0 | 141.0 | -0722A |
| 25.00 | 90.0 | 25.0 | 166.0 | - |

## Carbide Plain Shank Slot Drills 2 Flute

CARBIDE Q-Coat

Centre cutting.
To **Manufacturers Standards.** Cutting diameter to **h10**.
Shank diameter to **h6**. **Carbide Q-Coat.**



**Series 74 Long Reach**

| Dia. (mm) (d1) | Shank Dia.($d_2$) | Length of Cut (l1) | Carbide Q-Coat Length Below Shk($l_2$) | Overall Length ($l_3$) | Neck Dia.($d_3$) | Order Code SWT-165 |
|---|---|---|---|---|---|---|
| 0.50 | 4.0 | 0.7 | 6.0 | 45.0 | 0.45 | - |
| 0.60 | 4.0 | 0.9 | 4.0 | 45.0 | 0.55 | -7404A |
| 0.70 | 4.0 | 1.0 | 8.0 | 45.0 | 0.65 | -7406A |
| 0.80 | 4.0 | 1.2 | 4.0 | 45.0 | 0.75 | -7408A |
| 1.00 | 4.0 | 1.5 | 8.0 | 45.0 | 0.95 | -7412A |
| 1.00 | 4.0 | 1.5 | 10.0 | 45.0 | 0.95 | -7414A |
| 1.20 | 4.0 | 1.8 | 12.0 | 45.0 | 1.13 | - |
| 1.50 | 4.0 | 2.3 | 16.0 | 50.0 | 1.41 | -7418A |
| 2.00 | 4.0 | 3.0 | 14.0 | 50.0 | 1.93 | -7420A |
| 2.00 | 4.0 | 3.0 | 20.0 | 55.0 | 1.89 | -7422A |
| 2.50 | 4.0 | 3.7 | 20.0 | 60.0 | 2.40 | -7424A |
| 3.00 | 6.0 | 4.5 | 14.0 | 50.0 | 2.85 | -7426A |
| 3.00 | 6.0 | 4.5 | 25.0 | 65.0 | 2.85 | -7428A |

## HSS-Co 8% Threaded Shank End Mills 4 & 6 Flute

HSS-Co 8% TiCN TiALN

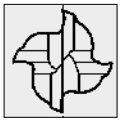
Centre cutting.
Threaded shank to **DIN 1835D**.
Shank cutting diameter to +0.04 -0.0.

**Series 36**
**Regular Series** Dimensions to **DIN 844**

**HSS-Co 8% Uncoated** For general production machining

**HSS-Co 8% TiCN Coated** Extends cutter tool life and improves work material surface finish.

**HSS-Co 8% TiALN Coated** Dissipates and resists heat, reduces surface friction coupled with high surface hardness.



| Diameter. (mm) | Flute Length | Shank Diameter | Overall Length | EMH-4TR HSS-Co 8% Order Code SWT-163 |
|---|---|---|---|---|
| 3.00 | 8.0 | 6.0 | 52.0 | -3603A |
| 4.00 | 11.0 | 6.0 | 55.0 | -3604A |
| 5.00 | 13.0 | 6.0 | 57.0 | -3605A |
| 6.00 | 13.0 | 6.0 | 57.0 | -3606A |
| 7.00 | 16.0 | 10.0 | 66.0 | -3607A |
| 8.00 | 19.0 | 10.0 | 69.0 | -3608A |
| 10.00 | 22.0 | 10.0 | 70.0 | -3610A |
| 12.00 | 26.0 | 12.0 | 83.0 | -3612A |
| 14.00 | 26.0 | 12.0 | 83.0 | -3614A |
| 16.00 | 32.0 | 16.0 | 92.0 | -3616A |
| 18.00 | 32.0 | 16.0 | 92.0 | -3618A |
| 20.00 | 38.0 | 20.0 | 104.0 | -3620A |
| 25.00 | 45.0 | 25.0 | 121.0 | -3625A |

## HSS-Co 8% Weldon Shank End Mills 4 & 6 Flute

HSS-Co 8% TiCN TiALN

Centre cutting. Weldon shank to **DIN 1835B**.
Shank cutting diameter
3 - 6mm to +0.04 -0.0.
8 - 20mm to +0.05 -0.0.

**HSS-Co 8% Uncoated** For general production machining.

**HSS-Co 8% TiCN Coated** Extends cutter tool life and improves work material surface finish.

**HSS-Co 8% TiALN Coated** Dissipates and resists heat, reduces surface friction coupled with high surface hardness.

**Series 09**
**Regular Series** Dimensions to **DIN 844**

| Diameter. (mm) | Flute Length | Shank Diameter | Overall Length | No. of Flutes | EMH-4WR HSS-Co 8% Order Code SWT-163 | EMN-4WR TiCN Coated Order Code SWT-163 | EML-4WR TiALN Coated Order Code SWT-163 |
|---|---|---|---|---|---|---|---|
| 2.00 | 7.0 | 6.0 | 51.0 | 4 | -0902A | - | -0962A |
| 3.00 | 8.0 | 6.0 | 52.0 | 4 | - | -0933A | -0963A |
| 4.00 | 11.0 | 6.0 | 55.0 | 4 | - | -0934A | -0964A |
| 5.00 | 13.0 | 6.0 | 57.0 | 4 | - | -0935A | -0965A |
| 6.00 | 13.0 | 6.0 | 57.0 | 4 | - | -0936A | -0966A |
| 8.00 | 19.0 | 10.0 | 69.0 | 4 | - | -0938A | -0968A |
| 10.00 | 22.0 | 10.0 | 72.0 | 4 | - | -0940A | -0970A |
| 12.00 | 26.0 | 12.0 | 83.0 | 4 | - | -0942A | -0972A |
| 14.00 | 26.0 | 12.0 | 83.0 | 4 | - | -0944A | -0974A |
| 16.00 | 32.0 | 16.0 | 92.0 | 4 | - | -0946A | -0976A |
| 18.00 | 32.0 | 16.0 | 92.0 | 4 | - | - | -0978A |
| 20.00 | 38.0 | 20.0 | 104.0 | 4 | - | - | -0980A |
| 25.00 | 45.0 | 20.0 | 121.0 | 4 | - | -0955A | - |

## SWISS+TECH Weldon Shank HSS-E PM TiALN Coated Fine Pitch Ripper Cutters

HSS-E PM | TiALN

Centre cutting. Shank to **DIN 1835B**. Cutting diameter to **js12**. Shank diameter to **h6**.

**Series 96**
**Long Series** Dimensions to **DIN 844**

**RFP-4WL PM Coated**

| Diameter (mm) | Flute Length | Overall Length | Shank Diameter | Number of Flutes | Order Code SWT-165 |
|---|---|---|---|---|---|
| 8.00 | 38.0 | 88.0 | 10.0 | 4 | **-9608A** |
| 10.00 | 45.0 | 95.0 | 10.0 | 5 | **-9610A** |
| 16.00 | 45.0 | 100.0 | 16.0 | 6 | **-9616A** |

## SWISS+TECH HSS-E PM Coarse Pitch Ripper Peak Power Set

**Weldon Shank - 5 Piece Set**

HSS-E PM

PEAK POWER

Centre cutting.
To **Manufacturers Standards.**
Weldon shank to **DIN 1835B.**
Shank diameter to **h6.**
Dimensions to **DIN 844.**

**Contents:**
8, 10, 12, 16 and 20mm.

5 PIECES

| Number of Pieces | Contents | Order Code SWT-165 |
|---|---|---|
| 5 | 8, 10, 12, 16 and 20mm. | **-9950A** |

## SWISS+TECH HSS-E PM High Helix Fine Pitch Ripper Peak Power Set

**Weldon Shank - 6 Piece Set**

HSS-E PM

PEAK POWER

Centre cutting.
To **Manufacturers Standards**.
Weldon shank to **DIN 1835B.**
Shank diameter to **h6**.
Dimensions to **DIN 844**.

**Contents:**
5, 6, 8, 10,
12 and 16mm.

6 PIECES

| Number of Pieces | Contents | Order Code SWT-165 |
|---|---|---|
| 6 | 5, 6, 8, 10, 12 and 16m | **-9850A** |

## SWISS+TECH HSS-E PM 2 Flute Slot Drill Peak Power Set

**Weldon Shank - 7 Piece Set**

HSS-E PM

PEAK POWER

Centre cutting.
To **Manufacturers Standards**.
Weldon shank to **DIN 1835B.**
Shank diameter to **h6**.
Dimensions to **DIN 844.**

**Contents:**
3, 4, 5, 6, 8,
10 and 12mm.

7 PIECES

### Series 91

| Number of Pieces | Contents | Order Code SWT-165 |
|---|---|---|
| 7 | 3, 4, 5, 6, 8, 10, & 12mm | **-9150A** |

## SWISS+TECH HSS-E PM 2 Flute Ball Nose Slot Drill Peak Power Set

**Weldon Shank - 7 Piece Set**

HSS-E PM

PEAK POWER

Centre cutting.
To **Manufacturers Standards**.
Weldon shank to **DIN 1835B.**
Shank diameter to **h6**.
Dimensions to **DIN 844**.

**Contents:** 3, 4, 5, 6,
8, 10 and 12mm.

7 PIECES

### Series 97

| Number of Pieces | Contents | Order Code SWT-165 |
|---|---|---|
| 7 | 3, 4, 5, 6, 8, 10 & 12mm | **-9750A** |

## SWISS+TECH HSS 'Blue Ring' Taps

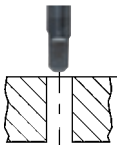
Manufactured to **DIN 371/376**

**Suitable for the following Material Groups**

| Group | Materials | Brinell Hardness HB | Tensile Strength N/mm² | TappingSpeed M/min |
|---|---|---|---|---|
| 2.1 | Soft and generally easy to machine ferritic & martensitic stainless steel and castings | up to 230 | up to 800 | 4 - 6 |
| 2.2 | Medium strength & reasonable to machine austenitic stainless steel and castings | up to 290 | up to 1000 | 4 - 6 |
| 2.3 | Hard & generally difficult to machine ferritic & austenitic stainless steel & castings | up to 340 | up to 1200 | 3 - 6 |

**Note:** Fluteless taps may also be used on stainless steel. See 'Green Ring' **FLUTELESS** on page 185.

**Spiral Point/Gun Nose - HSS-EV Oxidised Finish**
For through holes.
Taper lead to **DIN form B** (3.5 x P to 5.5 x P).
Tapping tolerance to **6HX**.



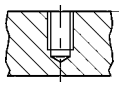
HSS-EV

SPIRAL POINT FOR THROUGH HOLES

**ISO Metric Coarse**

| Size - Pitch (mm) | Overall Length | Thread Length | Shank Dia. | A/F Square | Order Code SWT-185 |
|---|---|---|---|---|---|
| M2.0 x 0.40 | 45.0 | 8.0 | 2.8 | 2.1 | **-2003B** |
| M3.0 x 0.50 | 56.0 | 11.0 | 3.5 | 2.7 | **-2009B** |
| M4.0 x 0.70 | 63.0 | 13.0 | 4.5 | 3.4 | **-2015B** |
| M5.0 x 0.80 | 70.0 | 15.0 | 6.0 | 4.9 | **-2018B** |
| M6.0 x 1.00 | 80.0 | 17.0 | 6.0 | 4.9 | **-2021B** |
| M8.0 x 1.25 | 90.0 | 20.0 | 8.0 | 6.0 | **-2027B** |
| M10.0 x 1.50 | 100.0 | 22.0 | 10.0 | 8.0 | **-2030B** |
| M12.0 x 1.75 | 110.0 | 24.0 | 9.0 | 7.0 | **-2033B** |
| M16.0 x 2.00 | 110.0 | 27.0 | 12.0 | 9.0 | **-2039B** |

**Spiral Flute (BLT) - HSS-EV Oxidised Finish**
For deep blind holes.
Taper lead to **DIN form C** (2 x P to 3 x P).
Tapping tolerance to **6H**.



DIN 371/6

SPIRAL FLUTE Dia BLIND HOLES

HSS-EV

**'Biteless Taper' ISO Metric Coarse** - Helix angle 45°

| Size - Pitch (mm) | Overall Length | Thread Length | Shank Dia. | A/F Square | Order Code SWT-185 |
|---|---|---|---|---|---|
| M2.0 x 0.40 | 45.0 | 8.0 | 2.8 | 2.1 | **-2503B** |
| M3.0 x 0.50 | 56.0 | 6.0 | 3.5 | 2.7 | **-2509B** |
| M4.0 x 0.70 | 63.0 | 7.0 | 4.5 | 3.4 | **-2515B** |
| M5.0 x 0.80 | 70.0 | 8.0 | 6.0 | 4.9 | **-2518B** |
| M6.0 x 1.00 | 80.0 | 11.0 | 6.0 | 4.9 | **-2521B** |
| M8.0 x 1.25 | 90.0 | 13.0 | 8.0 | 6.2 | **-2527B** |
| M10.0 x 1.50 | 100.0 | 15.0 | 10.0 | 8.0 | **-2530B** |
| M12.0 x 1.75 | 110.0 | 18.0 | 9.0 | 7.0 | **-2533B** |
| M16.0 x 2.00 | 110.0 | 20.0 | 12.0 | 9.0 | **-2539B** |

## SWISS+TECH HSS 'Yellow Ring'Taps

Manufactured to **DIN 371/376**

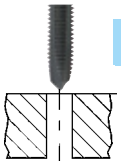
**Suitable for the following Material Groups**

DIN 371/6

| Group | Materials | Brinell Hardness HB | Tensile Strength N/mm² | Tapping Speed M/min |
|---|---|---|---|---|
| 1.1 | Mild soft steel & free machining non-alloy low carbon steel | up to 130 | up to 400 | 10 - 20 |
| 1.2 | Non-alloy case hardening, structural & low to medium carbon steel | up to 200 | up to 700 | 10 - 15 |
| 1.3 | Non-alloy, plain and medium carbon steel and castings | up to 260 | up to 850 | 5 - 10 |

| Group | Materials | Brinell Hardness HB | Tensile Strength N/mm² | Tapping Speed M/min |
|---|---|---|---|---|
| 1.4 | Generally low to medium alloy steel and castings | up to 260 | up to 850 | 4 - 9 |
| 2.1 | Soft & generally easy to machine ferritic, martensitic stainless steel & castings | up to 230 | up to 880 | 4 - 6 |
| 6.3 | Brass (beta - short chip) & soft bronze | - | up to 500 | 15 - 20 |

**Spiral Point/Gun Nose - HSS-EV Oxidised Finish**
For through holes.
Taper lead to **DIN form B**.
(3.5 x P to 5.5 x P).
Tapping tolerance to **6H**.



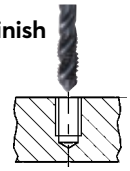
HSS-EV

SPIRAL POINT FOR THROUGH HOLES

**ISO Metric Coarse**

| Size - Pitch (mm) | Overall Length | Thread Length | Shank Dia. | A/F Square | Order Code SWT-185 |
|---|---|---|---|---|---|
| M2.0 x 0.40 | 45.0 | 8.0 | 2.8 | 2.1 | **-0003Y** |
| M3.0 x 0.50 | 56.0 | 11.0 | 3.5 | 2.7 | **-0009Y** |
| M4.0 x 0.70 | 63.0 | 13.0 | 4.5 | 3.4 | **-0015Y** |
| M5.0 x 0.80 | 70.0 | 15.0 | 6.0 | 4.9 | **-0018Y** |
| M6.0 x 1.00 | 80.0 | 17.0 | 6.0 | 4.9 | **-0021Y** |
| M8.0 x 1.25 | 90.0 | 20.0 | 8.0 | 6.0 | **-0027Y** |
| M10.0 x 1.50 | 100.0 | 22.0 | 10.0 | 8.0 | **-0030Y** |
| M12.0 x 1.75 | 110.0 | 24.0 | 9.0 | 7.0 | **-0033Y** |
| M16.0 x 2.00 | 110.0 | 27.0 | 12.0 | 9.0 | **-0039Y** |

**Spiral Flute - HSS-EV Oxidised Finish**
For blind holes.
Taper lead to **DIN form C** (3 x P).
Tapping tolerance:
Spiral flute to **6H**.



HSS-EV

SPIRAL FLUTE FOR BLIND HOLES

**ISO Metric Coarse** - Helix angle 40°. Tapping depth **2.5 x D.**

| Size - Pitch (mm) | Overall Length | Thread Length | Shank Dia. | A/F Square | Order Code SWT-185 |
|---|---|---|---|---|---|
| M2.0 x 0.40 | 45.0 | 8.0 | 2.8 | 2.1 | **-0503Y** |
| M3.0 x 0.50 | 56.0 | 6.0 | 3.5 | 2.7 | **-0509Y** |
| M4.0 x 0.70 | 63.0 | 7.0 | 4.5 | 3.4 | **-0515Y** |
| M5.0 x 0.80 | 70.0 | 8.0 | 6.0 | 4.9 | **-0518Y** |
| M6.0 x 1.00 | 80.0 | 10.0 | 6.0 | 4.9 | **-0521Y** |
| M8.0 x 1.25 | 90.0 | 13.0 | 8.0 | 6.2 | **-0527Y** |
| M10.0 x 1.50 | 100.0 | 15.0 | 10.0 | 8.0 | **-0530Y** |
| M12.0 x 1.75 | 110.0 | 18.0 | 9.0 | 7.0 | **-0533Y** |
| M16.0 x 2.00 | 110.0 | 20.0 | 12.0 | 9.0 | **-0539Y** |

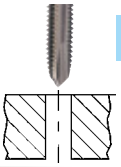
## SWISS+TECH HSS 'Red Ring' Taps

Manufactured to **DIN 371/376**

**Suitable for the following Material Groups**

| Group | Materials | Brinell Hardness HB | Tensile Strength N/mm² | Tapping Speed M/min |
|---|---|---|---|---|
| 1.4 | Generally low to medium alloy steel and castings | up to 260 | up to 850 | 5 - 10 |
| 1.5 | Medium to high alloy steel tool steel and steel castings | up to 340 | up to 1200 | 4 - 8 |

**Spiral Point/Gun Nose - HSS-Co Bright Finish**
For through holes.
Taper lead to **DIN form B**
(3.5 x P to 5.5 x P).
Tapping tolerance to **6HX**.



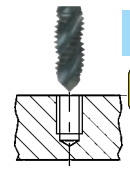
HSS-Co

SPIRAL POINT FOR THROUGH HOLES

**ISO Metric Coarse**

| Size - Pitch (mm) | Overall Length | Thread Length | Shank Dia. | A/F Square | Order Code SWT-185 |
|---|---|---|---|---|---|
| M2.0 x 0.40 | 45.0 | 8.0 | 2.8 | 2.1 | **-1003R** |
| M3.0 x 0.50 | 56.0 | 11.0 | 3.5 | 2.7 | **-1009R** |
| M4.0 x 0.70 | 63.0 | 13.0 | 4.5 | 3.4 | **-1015R** |
| M5.0 x 0.80 | 70.0 | 15.0 | 6.0 | 4.9 | **-1018R** |
| M6.0 x 1.00 | 80.0 | 17.0 | 6.0 | 4.9 | **-1021R** |
| M8.0 x 1.25 | 90.0 | 20.0 | 8.0 | 6.2 | **-1027R** |
| M10.0 x 1.50 | 100.0 | 22.0 | 10.0 | 8.0 | **-1030R** |
| M12.0 x 1.75 | 110.0 | 24.0 | 9.0 | 7.0 | **-1033R** |
| M16.0 x 2.00 | 110.0 | 27.0 | 12.0 | 9.0 | **-1039R** |

**Spiral Flute - HSS-EV Oxidised Finish**
For blind holes.
Taper lead to **DIN form C** (3 x P).
Tapping tolerance:
spiral flute to **6H**.



HSS-EV

SPIRAL FLUTE FOR BLIND HOLES

**ISO Metric Coarse** Helix angle 40°. Tapping depth 2.5 x D.

| Size - Pitch (mm) | Overall Length | Thread Length | Shank Dia. | A/F Square | Order Code SWT-185 |
|---|---|---|---|---|---|
| M4.0 x 0.70 | 63.0 | 7.0 | 4.5 | 3.4 | **-1515R** |
| M5.0 x 0.80 | 70.0 | 8.0 | 6.0 | 4.9 | **-1518R** |
| M6.0 x 1.00 | 80.0 | 10.0 | 6.0 | 4.9 | **-1521R** |
| M8.0 x 1.25 | 90.0 | 13.0 | 8.0 | 6.2 | **-1527R** |
| M10.0 x 1.50 | 100.0 | 15.0 | 10.0 | 8.0 | **-1530R** |
| M16.0 x 2.00 | 110.0 | 20.0 | 12.0 | 9.0 | **-1539R** |

## SWISS+TECH HSS 'Green Ring' Taps

DIN 371/6

HSS-EV FLUTELESS

Manufactured to **DIN 371/376**

**Suitable for the following Material Groups**

| Group | Materials | Brinell Hardness HB | Tensile Strength N/mm² | Tapping Speed M/min |
|---|---|---|---|---|
| 7.1 | Unalloyed aluminium, magnesium and zinc | - | up to 150 | 20 - 30 |
| 7.2 | Aluminium alloy less than 5% silicon magnesium & zinc alloys (long chip) | - | up to 1200 | 20 - 30 |
| 7.3 | Aluminium alloy 5% to 10% silicon | - | up to 500 | 15 - 20 |
| 7.4 | Aluminium alloy 5% to 10% silicon | - | up to 500 | 15 - 20 |

### Spiral Point/Gun Nose - HSS-EV Nitride Finish

For through holes. Taper lead to **DIN form B** (3.5 x P to 5.5 x P).
Tapping tolerance to **6HX**.

SPIRAL POINT FOR THROUGH HOLES

**METRIC COARSE**

**ISO Metric Coarse**

| Size - Pitch (mm) | Overall Length | Thread Length | Shank Dia. | A/F Square | Order Code SWT-185 |
|---|---|---|---|---|---|
| M3.0 x 0.50 | 56.0 | 11.0 | 3.5 | 2.7 | **-6509G** |
| M4.0 x 0.70 | 63.0 | 13.0 | 4.5 | 3.4 | **-6515G** |
| M5.0 x 0.80 | 70.0 | 16.0 | 6.0 | 4.9 | **-6518G** |
| M6.0 x 1.00 | 80.0 | 19.0 | 6.0 | 4.9 | **-6521G** |
| M8.0 x 1.25 | 90.0 | 22.0 | 8.0 | 6.2 | **-6527G** |
| M10.0 x 1.50 | 100.0 | 24.0 | 10.0 | 8.0 | **-6530G** |
| M12.0 x 1.75 | 110.0 | 29.0 | 9.0 | 7.0 | **-6533G** |

### Spiral Flute - HSS-EV Nitride Finish

For blind holes. Taper lead to **DIN form C** (2 x P to 3 x P). Tapping tolerance to **6H**.

SPIRAL POINT FOR THROUGH HOLES

**METRIC COARSE**

**ISO Metric Coarse** Helix angle 45°. Tapping depth 2.5 x D.

| Size - Pitch (mm) | Overall Length | Thread Length | Shank Dia. | A/F Square | Order Code SWT-185 |
|---|---|---|---|---|---|
| M2.5 x 0.45 | 50.0 | 9.0 | 2.8 | 2.1 | **-7006G** |
| M3.0 x 0.50 | 56.0 | 11.0 | 3.5 | 2.7 | **-7009G** |
| M4.0 x 0.70 | 63.0 | 13.0 | 4.5 | 3.4 | **-7015G** |
| M5.0 x 0.80 | 70.0 | 16.0 | 6.0 | 4.9 | **-7018G** |
| M6.0 x 1.00 | 80.0 | 19.0 | 6.0 | 4.9 | **-7021G** |
| M8.0 x 1.25 | 90.0 | 22.0 | 8.0 | 6.2 | **-7027G** |
| M10.0 x 1.50 | 100.0 | 24.0 | 10.0 | 8.0 | **-7030G** |
| M12.0 x 1.75 | 110.0 | 29.0 | 9.0 | 7.0 | **-7033G** |

## SWISS+TECH HSS 'Green Ring' Fluteless Taps

HSS-EV FLUTELESS

Lubrication grooves are a feature of all taps of M3.0 and over. Manufactured to **DIN 371/376**.

**Suitable for the following Material Groups**

| Group | Materials | Brinell Hardness HB | Tensile Strength N/mm² | Tapping Speed M/min |
|---|---|---|---|---|
| 6.1 | Copper | - | up to 500 | 8 - 12 |
| 6.2 | Brass (alpha - long chip) | - | up to 800 | 15 - 20 |
| 7.1 | Unalloyed aluminium, magnesium and zinc | - | up to 150 | 20 - 30 |
| 7.2 | Aluminium alloy less than 5% silicon magnesium & zinc alloys (long chip) | - | up to 1200 | 20 - 30 |

### Fluteless - HSS-EV Bright Finish

For through and blind holes.
Taper lead to **DIN form B**
(3.5 x P to 5.5 x P). Tapping tolerance to **6H**.

FLUTELESS FOR THROUGH AND BLIND HOLES

**METRIC COARSE**

**ISO Metric Coarse**

| Size - Pitch (mm) | Overall Length | Thread Length | Shank Dia. | A/F Square | Order Code SWT-185 |
|---|---|---|---|---|---|
| M2.0 x 0.40 | 45.0 | 8.0 | 2.8 | 2.1 | **-7503G** |
| M3.0 x 0.50 | 56.0 | 11.0 | 3.5 | 2.7 | **-7509G** |
| M4.0 x 0.70 | 63.0 | 13.0 | 4.5 | 3.4 | **-7515G** |
| M5.0 x 0.80 | 70.0 | 15.0 | 6.0 | 4.9 | **-7518G** |
| M6.0 x 1.00 | 80.0 | 17.0 | 6.0 | 4.9 | **-7521G** |
| M8.0 x 1.25 | 90.0 | 20.0 | 8.0 | 6.2 | **-7527G** |

### Fluteless - HSS-EV (TiN Coated)

For through and blind holes.
Taper lead to **DIN form B**
(3.5 x P to 5.5 x P). Tapping tolerance to **6H**.

FLUTELESS FOR THROUGH AND BLIND HOLES

**METRIC COARSE**

**ISO Metric Coarse**

| Size - Pitch (mm) | Overall Length | Thread Length | Shank Dia. | A/F Square | Order Code SWT-185 |
|---|---|---|---|---|---|
| M3.0 x 0.50 | 56.0 | 11.0 | 3.5 | 2.7 | **-8009G** |
| M4.0 x 0.70 | 63.0 | 13.0 | 4.5 | 3.4 | **-8015G** |
| M5.0 x 0.80 | 70.0 | 15.0 | 6.0 | 4.9 | **-8018G** |
| M6.0 x 1.00 | 80.0 | 17.0 | 6.0 | 4.9 | **-8021G** |
| M8.0 x 1.25 | 90.0 | 20.0 | 8.0 | 6.2 | **-8027G** |
| M10.0 x 1.50 | 100.0 | 22.0 | 10.0 | 8.0 | **-8030G** |

## Machine Taps

See our range

Scan the QR code

# SWISS+TECH HSS-E 'Black Ring' Taps

MULTI APPLICATION

The tool geometry (with up to 138 parameters) has been developed and optimised during long-term tests in co-operation with users for the different sections of structural steel, aluminum casting, machining steel, VA steels, heat-resistant steels and tool steels. Selected hard coatings increase the range of applications. The objective of developing Swiss+Tech's 'Black Ring' Taps was the realisation of narrower tolerances and more efficient cutting times for the thread production.
The unique general purpose properties of these taps guarantee high productivity by reducing the amount of time spent changing taps for different materials and at the same time reduces the number of taps required by the machine shop.
Swiss+Tech 'Black Ring' machine taps with their wide range of applications are the result of years of experience in metal cutting. Responsible for our developments were the following demands from our main customers:

- Increase of a tap's versatility.
- Reducing the confusing type variety.
- Reducing the storage costs for the tools.
- Reducing the tool changing times.

For general tapping applications. For production tapping of specific materials a specia tap may be more suitable.
Manufactured to **DIN 371/376.**

**Suitable for the following Material Groups**

| Group | Materials Colour defines similar machineability | Hardness Brinell HB | Hardness Rockwell HRC | Tensile Strength N/mm² | Tapping M/min |
|---|---|---|---|---|---|
| 1.1 | Mild Steel | <130 | - | <400 | 10 - 15 |
| 1.2 | Case Hardening & Structural Steel | <200 | - | <700 | 10 - 15 |
| 1.3 | Medium Carbon Steel | <260 | <26 | <850 | 5 - 10 |
| 1.4 | Low Alloy Steel | <260 | <26 | <850 | 4 - 8 |
| 2.1 | Free Machining Stainless | <230 | <20 | <800 | 2 - 5 |
| 2.2 | Medium Strength Austenitic Stainless | <260 | <26 | <850 | 2 - 5 |
| 7.1 | Unalloyed Aluminium Zinc - Magnesium | - | - | <150 | 15 - 20 |
| 7.2 | Aluminium Alloy less than 5% Si | - | - | 150 - 300 | 15 - 20 |
| 7.3 | Aluminium Alloy 5% to 10% Si | <230 | <20 | <800 | 5 - 10 |

## Spiral Point/Gun Nose - HSS-E Bright Finish

SPIRAL POINT FOR THROUGH HOLES | HSS-E

For through holes.
Taper lead to **DIN form B**. Tapping tolerance to **6H**.

Spiral point 'Eminent' chamfer form B through holes all round **ISO 2 (6H)**

**ISO Metric**

METRIC

| Size - Pitch (mm) | (d2) Shank Dia. | A/F Square | (l1) Overall Length | (l2) Thread Length | Order Code SWT-185 |
|---|---|---|---|---|---|
| M3 x 0.50 | 3.5 | 2.7 | 56 | 10 | **-8509X** |
| M4 x 0.70 | 4.5 | 3.4 | 63 | 12 | **-8515X** |
| M5 x 0.80 | 6.0 | 4.9 | 70 | 14 | **-8518X** |
| M6 x 1.00 | 6.0 | 4.9 | 80 | 16 | **-8521X** |
| M8 x 1.25 | 8.0 | 6.2 | 90 | 17 | **-8527X** |
| M10 x 1.50 | 10.0 | 8.0 | 100 | 20 | **-8530X** |
| M12 x 1.75 | 9.0 | 7.0 | 110 | 24 | **-8533X** |
| M16 x 2.00 | 12.0 | 9.0 | 110 | 26 | **-8539X** |
| M20 x 2.50 | 16.0 | 12.0 | 140 | 32 | **-8542X** |

## Spiral Point/Long Series

SPIRAL POINT FOR THROUGH HOLES | HSS-E

For blind holes.
Taper lead to **DIN 13 form B**
(with gun nose chamber lead 4/5 thread)
Tapping tolerance to **6H**.
Thread angle 60°

METRIC

**ISO Metric**

| Size - Pitch (mm) | (d2) Shank Dia. | A/F Square | (l1) Overall Length | (l2) Thread Length | Order Code SWT-185 |
|---|---|---|---|---|---|
| M8 x 1.25 | 6.0 | 4.9 | 180 | 20.0 | **-9808X** |
| M10 x 1.50 | 7.0 | 5.5 | 200 | 22.0 | **-9810X** |
| M12 x 1.75 | 9.0 | 7.0 | 220 | 24.0 | **-9812X** |

## Spiral Flute

SPIRAL FLUTE FOR BLIND HOLES | HSS-E

For blind holes.
Taper lead to **DIN form C**.
Tapping tolerance to **6H**.

RH spiral flutes 40° 'Supra Extra' chamfer form C blind holes <1,5 d all round **ISO 2 (6H)**

**ISO Metric**

METRIC

| Size - Pitch (mm) | (d2) Shank Dia. | A/F Square | (l1) Overall Length | (l2) Thread Length | Order Code SWT-185 |
|---|---|---|---|---|---|
| M3 x 0.50 | 3.5 | 2.7 | 56 | 6.0 | **-8559X** |
| M4 x 0.70 | 4.5 | 3.4 | 63 | 7.5 | **-8565X** |
| M5 x 0.80 | 6.0 | 4.9 | 70 | 8.5 | **-8568X** |
| M6 x 1.00 | 6.0 | 4.9 | 80 | 11.0 | **-8571X** |
| M8 x 1.25 | 8.0 | 6.2 | 90 | 14.0 | **-8577X** |
| M10 x 1.50 | 10.0 | 8.0 | 100 | 16.0 | **-8580X** |
| M12 x 1.75 | 9.0 | 7.0 | 110 | 18.5 | **-8583X** |
| M16 x 2.00 | 12.0 | 9.0 | 110 | 20.0 | **-8589X** |
| M20 x 2.50 | 16.0 | 12.0 | 140 | 25.0 | **-8592X** |

## HSS-E 'Black Ring' M3 - M8 5 Piece Tap Sets

'Black Ring' machine taps for general tapping applications suitable for steels, low alloy steels, stainless steels and non-ferrous materials.

Manufactured to **DIN371/376**.
Tapping tolerance to **6H**.

**M3 - M8 Spiral Point/Gun Nose**
**Spiral Point/Gun Nose - HSS-E Bright Finish**
For through holes. Taper lead to **DIN form B**.

**-9900X**

**M3 - M8 Spiral Flute**
**Spiral Flute - HSS-E Bright Finish**
For blind holes. Taper lead to **DIN form C**.

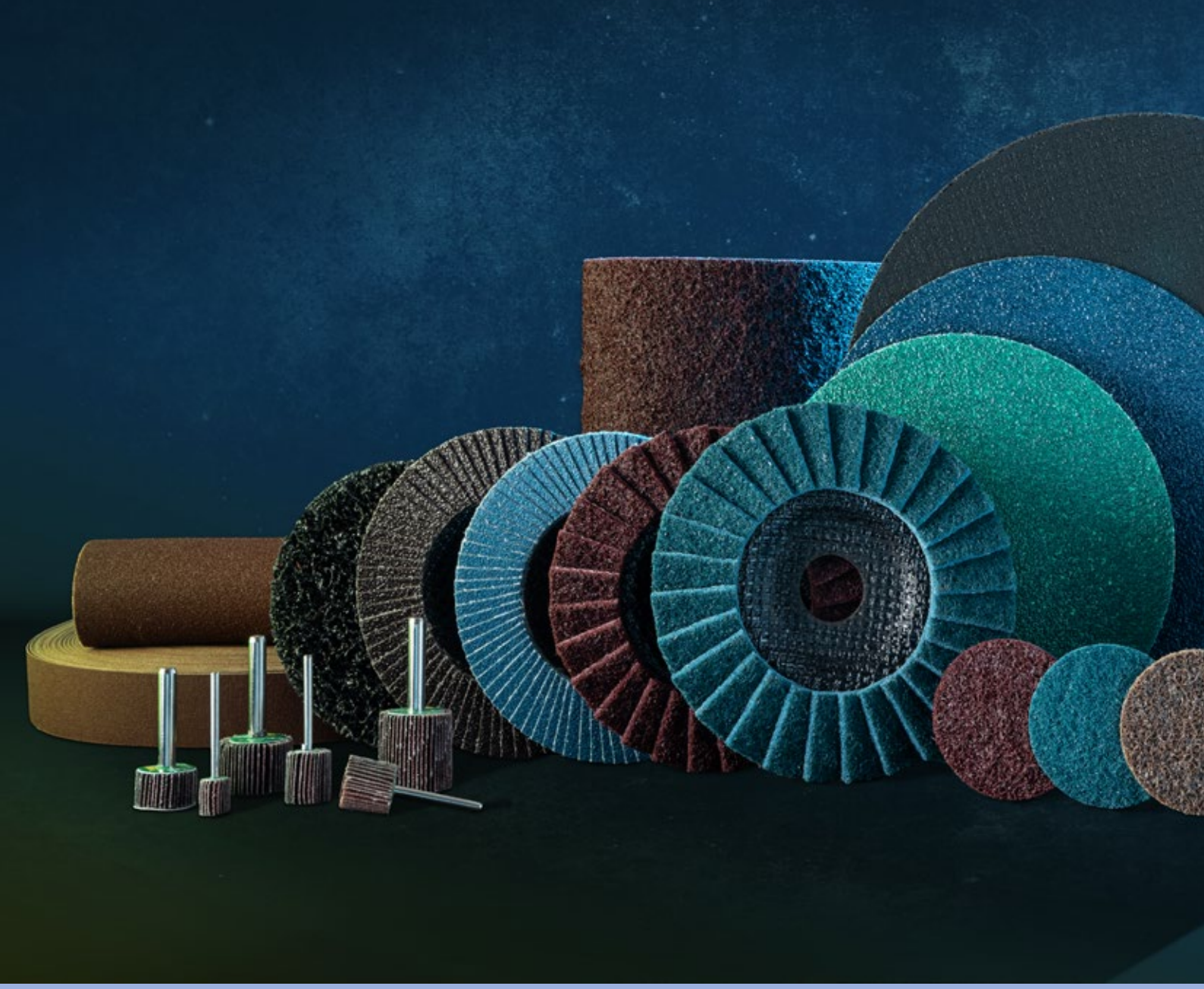
**-9910X**

**Contents for each set:**

| Pitch sizes | Thread length |
|---|---|
| M3 x 0.5mm | 2.5mm |
| M4 x 0.7mm | 3.3mm |
| M5 x 0.8mm | 4.2mm |
| M6 x 1.0mm | 5.0mm |
| M8 x 1.25mm | 6.8mm |

5 PIECES

| Type | Number of Pieces | Order Code SWT-185 |
|---|---|---|
| Spiral Point | 5 | **-9900X** |
| Spiral Flute | 5 | **-9910X** |



# Abrasives, Air Tools & Accessories

Keeping Industry Working™

Product Groups

# 200 - 295

# Content


| Description | Group | Page |
|---|---|---|
| **AIR & POWER TOOLS** | | |
| Airline Fittings | 259 | **135 - 137, 159** |
| Bench & Floor Tools | 277 | **153** |
| Blow Guns | 259 | **133** |
| Balancers | 280 | **132** |
| Chisels | 289 | **159** |
| Core Drills | 280 | **158** |
| Drills | 270 | **139 - 140** |
| Engraver | 279 | **154** |
| Grinders | 270 | **141 - 144** |
| Hammers | 270 | **146** |
| Heat Guns | 279 | **154** |
| Hoses | 258 | **132** |
| Multi-Tools Accessories | 279 | **154** |
| Multi-Tooth Drilling Cutters | 288 | **138, 159** |
| Nibblers, Saws & Shears | 270 | **145** |
| Pneumatic Fittings | 291 | **135 - 137, 159** |
| Ratchets | 270 | **150** |
| Riveters | 270 | **147** |
| Sanders | 270 | **147 - 148** |
| Screwdrivers | 270 | **149** |
| Spray Guns | 259 | **134** |
| Tyre Inflators & Gauges | 259 | **135** |
| Wire Wheels & Brushes | 295 | **160 - 161** |
| Wrenches | 270 | **151 - 152** |
| **BONDED ABRASIVES** | | |
| **Cutting Discs & Grinding wheels** | 230 | **122 - 124** |
| **Mounted Points** | 250 | **128 - 129** |
| **Sharpening Stones** | | |
| Oil Stones | 255 | **130 - 131** |

| Description | Group | Page |
|---|---|---|
| **COATED ABRASIVES** | | |
| **Belts** | | |
| Sanding belts | 204 | **112** |
| **Cartridge Rolls** | 205 | **115** |
| **Discs for Angle Grinders & Sanders** | | |
| Quick change disks | 205 | **113** |
| Sanding discs - Fibre backed | 202 | **111, 113** |
| Sanding discs - Hook-N-Loop backed | 203 | **156** |
| Flap discs | 220 | **120** |
| Backing pads & spanners | 280 | **153** |
| **Hand Pads** | | |
| Fibre abrasives | 245 | **124, 126** |
| **Sheets** | | |
| Abrasive sheets & coils | 200 | **110** |
| **Spirabands** | | |
| Sanding bands | 205 | **112** |
| **Sponge** | | |
| Abrasive coated sponges | 201 | **110** |
| **Wheels** | | |
| Flap wheels | 220 | **121** |
| Fibre abrasives | 245 | **125** |
| **DEBURRING** | | |
| Carbide Burrs | 210 | **115 - 118** |
| Diamant Burrs | 210 | **119** |
| **POLISHING** | | |
| Polishing & Lapping | 247 | **127** |

## Abrasives selection guide

The abrasive selection guide below is designed to help you select the right abrasive for the application with the right tool. Further information can be found on the product page to help you choose the best abrasive for your requirements.

| | Tool | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Right Angle Grinder | File Belt Sander | Linear Finishing Machine | Backstand Machine | Random Orbital Sander | Die Grinder | Angle Die Grinder | Skill Saw | Polisher |
| | | | | | | | | | |
| Cutting | ✓ | | | | | | | ✓ | |
| Deburring | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |
| Weld grinding and stock removal | ✓ | ✓ | | ✓ | | ✓ | ✓ | | |
| Edge preparation/ bevelling | ✓ | ✓ | | ✓ | | | | | |
| Refining | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Cleaning | ✓ | ✓ | ✓ | ✓ | | | | | ✓ |
| Surface preparation | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| Blending/satin finishing | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| Fine finishing/ pre-polish | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ |
| Paint denibbing | | | | | ✓ | | | | |

## What's the difference between a cordless and electric grinder?

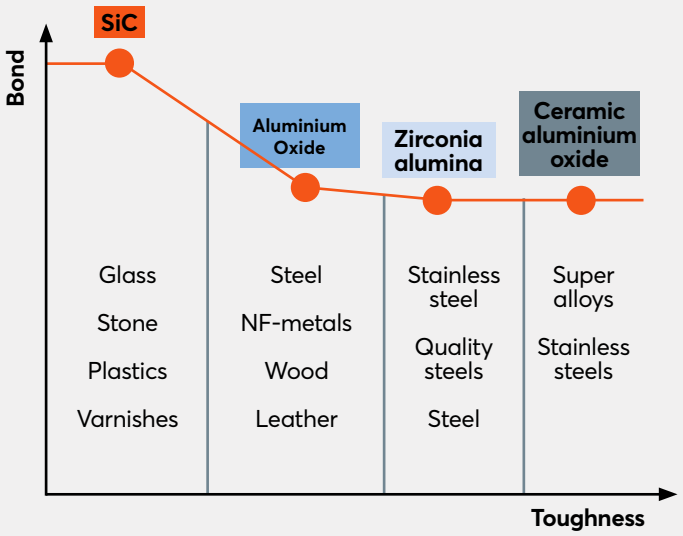
| Type | Speed | Run time | Power | Performance |
|---|---|---|---|---|
| Corded grinder | 12,000 RPM | Unlimited | Up to 1.9 KW | Depending on your abrasive choice and application, an electric grinder will give you consistent and continuous use and is especially suited for HEAVY DUTY applications |
| Cordless grinder | 9,000 RPM | Up to 30 minutes depending on machine model, disc choice and application | 8V 4Ah | Choosing the right abrasive and good quality batteries is crucial to getting the most out of your cordless grinder. Using specially recommended abrasive products will help prolong battery life and get the best results in your application. |

## Grit application table

**This table shows typical grit grades for each stage of the application process. Grades are insersely proportional to grit size, so fine abrasives are higher grades using smaller types of grit.**

| Grit or Grade | | | | | Extra Coarse | Coarse | Medium | Fine | Very Fine |
|---|---|---|---|---|---|---|---|---|---|
| | 24 | 36 | 40 | 50 | 60 | 80 | 120 | 150-180 | 180-240 |
| Cutting & Grinding Discs | Cutting | | | | | | | | |
| | HEAVY DUTY Grinding | | | | | | | | |
| Coated & Non-Woven | | Stock Removal | | | | | | | |
| | | | | | Blending & Refining | | | | |
| | | | | | Deburring | | | | |
| | | | | | | | Surface Preparation & Cleaning | | |
| | | | | | | | | Finishing | |

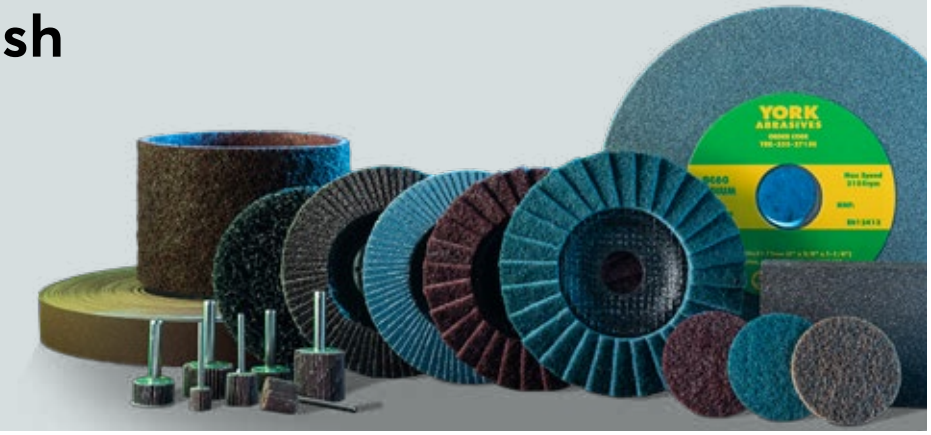
### Abrasive Grain Type




Grit classification in relation to bond, toughness and their primary applications

# From start to finish

Your No. 1 choice for abrasive supplies



| | |
|---|---|
| Cutting Discs | Known as cutting off, these discs are used to shape the material to the correct dimension in very short cutting time and minimal burr formation. |
| Grinding Discs & Wheels | With the metal fabrication process grinding discs are used to remove welds and burrs. They offer a good stock removal rate and service life. |
| Linishing / Sanding Belt | Available in paper and cloth backing. Different sizes to suit portable and static machines. |
| Fibre Disc | Fast stock removal rate. Best use when material has flat areas or contours to follow. |
| Flap Disc | Longer abrasive life and versatile. Low vibration than alternative abrasives for stock removal. |
| Flap Wheels | Suitable for use in hard to reach areas. Adapts well to the work piece due to fan shapes abrasive flaps. |
| Surface conditioning discs, Belts & spindle mounted | Suitable for removing surface defects and allowing for a paintable finish without defecting the base material. |
| Rolls and Sheets | Hand sanding allows for the abrasive to be torn to the size and length required and used in hard to reach areas and materials containing complex contours. |
| Spiral Bands | Suitable for deburring and finishing in hard to reach curvered or contoured areas. Use with drum holder. |
| Non woven Hand Pads & Rolls | Conforms to the work piece irespective of shape and size. Provides a finish to the product without defecting the material. |
| Sanding Discs | Surface prep and to finish material before paint or weld. Plain discs and hole patterns for dust extraction. To be used with backing pad. |
| Quick Change Abrasive Discs | To use for grinding, deburring and blending. Flexible in smaller areas and allows for fast tool change. |
| Mounted Points | Deburring. Mounted points are very small bonded abrasives or superabrasive wheels with a ball, point, cone, cylinder, or bullet shape. |
| Polishing mops and felt bobs | Enhance the appearance of an item and/or piece of material. |

## 1 Stock removal

**Cutting discs**

Page 122

**Grinding discs**

Page 122

**Linishing/ Sanding belt**

Page 111

**Fibre discs**

Page 110

**Flap discs**

Page 120

**Flap wheels**

Page 121

**Spiral bands**

Page 114

**Mounted points**

Pages 128-129

## 2 Surface Preparation

**Surface conditioning**

Page 113

**Non-woven hand pads**

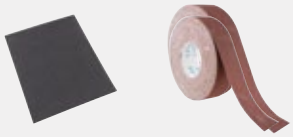
Page 126

**Sanding Discs**



Page 111

**Sheets & Rolls**



Page 110

**Quick change discs**

Page 113

## 3 Finishing/Polishing

**Felt mops**

Page 157

**Polish**

Page 127

## Using Abrasives - Safety PPE guide

### Hearing protection

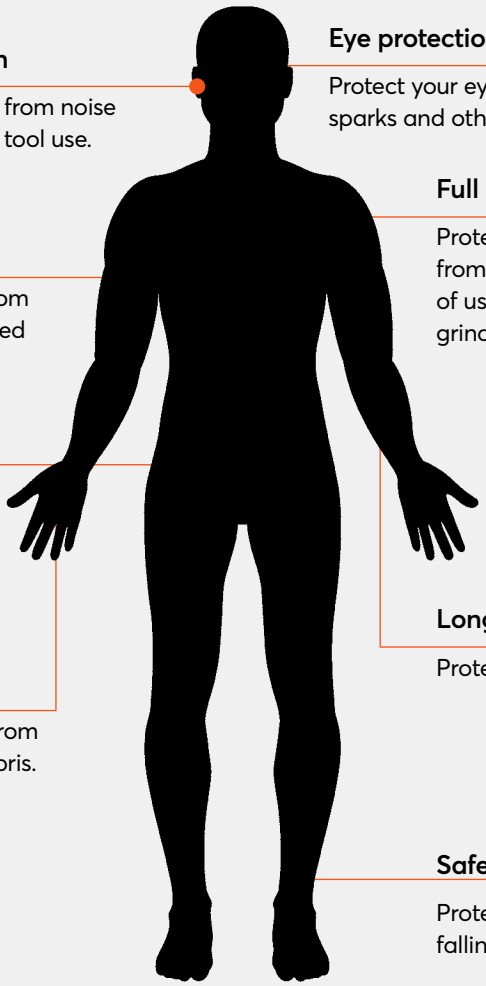
Protect your hearing from noise from machinery and tool use.

### Eye protection

Protect your eyes from sparks and other airbourne debris.

### Respirator

Protect your lungs from fine particles produced using abrasives.



### Full face visor

Protect your whole face from the added dangers of using cutting and grinding products.

### Apron

Additional protection must be worn to protect operator from sparks created by cutting and grinding products.

### Hand protection

Protect your hands from sparks and other debris.

### Long sleeved clothing

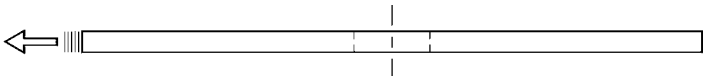
Protect bare skin from airbourne debris.

### Safety footwear

Protect your feet from falling heavy objects.

## Cutting & Grinding Disc types

### 1 Flat

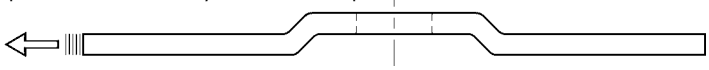


TYPE 41 CUTTING WHEEL

A type 41 cut-off wheel, is completely flat. It is typically considered the most efficient type of wheel for general all-purpose cutting. Because it lacks a depressed centre, it provides more cutting surface and minimizes interference with the workpiece.

The flat profile helps create deep 90-degree cuts into a workpiece. It allows for the maximum depth of a 90-degree cut at the expense of a small amount of visibility for the operator. Though their straight profile and the way they mount close to the guard can diminish visibility for the operator, type 41 cutting wheels are exceptionally useful in grinders, die grinders, high-speed saws, stationary saws, and chop saws.

### 2 Depressed



TYPE 27 & TYPE 42 CUTTING WHEEL

Instead of being completely flat, a type 27 and type 42 cut-off wheel, has a depressed centre. The depressed centre allows for added clearance when the operator is working at a constrained angle, though it gives the wheel limited cutting ability when working around corners, profiles, or extrusions. The depressed shape allows for a raised hub as well to hold the wheel securely in place.

The profile of a depressed- centre cutting wheel gives the operator a better view of the cut, and it provides the ability to flush-cut because the raised hub means the locking nut can be recessed. Type 27 cutting wheels are designed for right angle grinders.

### 3 INOX Discs

INOX cut-off discs are an abrasive disc that contains no iron and therefore has the ability to cut both stainless steel and mild steel.

## Flap Disc types

### 1 GRIND AT FLATTER ANGLES 0°-15°

TYPE 27 FLAP DISC

Type 27 flap discs are flat. They typically grind best at shallower angles between 0 and 15 degrees. They are optimal for smooth finishing and blending on flat surfaces, and they can handle slight contours.

### 2 GRIND AT FLATTER ANGLES 15°-25°

TYPE 29 FLAP DISC

Type 29 flap discs have an angled profile associated with conical flap discs. They are ideal for grinding at angles between 15 and 25 degrees. Their angled design make them ideal for operators looking for aggressive stock removal while also conforming to irregular workpiece surfaces.

# ABRASIVES SHEETS, SPONGES & COILS



## YORK ABRASIVES Superflex Cloth

Al-Ox

- Superflex Aluminium Oxide is resin bonded over resin on a very flexible J-weight blue twill cloth
- Moisture resistant and electrostatically coated for polishing flat and contoured surfaces of most materials

| Grade | Grit | Order Code YRK-200 |
|---|---|---|
| 25mm wide x 50m long | | |
| Coarse | P40 | -7896K |
| | P60 | -7894K |
| | P80 | -7892K |
| Medium | P100 | -7890K |
| | P120 | -7888K |
| | P150 | -7886K |
| | P180 | -7884K |
| Fine | P220 | -7882K |
| | P240 | -7880K |
| | P320 | -7878K |
| 38mm wide x 50m long | | |
| Coarse | P60 | -7916K |
| | P80 | -7914K |
| Medium | P100 | -7912K |
| | P120 | -7910K |
| | P150 | -7908K |
| Fine | P220 | -7906K |
| 50mm wide x 50m long | | |
| Coarse | P60 | -7942K |
| | P80 | -7940K |
| Medium | P100 | -7938K |
| | P120 | -7936K |
| | P150 | -7934K |
| | P180 | -7932K |
| Fine | P220 | -7930K |
| | P240 | -7928K |
| | P320 | -7926K |

## YORK ABRASIVES Wet or Dry Paper Sheets

SiC

**280mm x 230mm**

- Silicon carbide waterproof-resin bonded to paper
- Suitable for wet and dry production
- Can be used for polishing and finishing
- For use on metals, plastics, paintwork, ceramics etc.
- C weight paper

| Grade | Grit | Order Code YRK-200 |
|---|---|---|
| Coarse | P60 | -7410K |
| | P80 | -7420K |
| Medium | P100 | -7430K |
| | P120 | -7440K |
| | P150 | -7450K |
| | P180 | -7460K |
| Fine | P220 | -7470K |
| | P240 | -7480K |
| | P280 | -7490K |
| | P320 | -7500K |
| | P360 | -7510K |
| Very fine | P400 | -7520K |
| | P500 | -7530K |
| | P600 | -7540K |
| | P800 | -7550K |
| | P1000 | -7560K |
| | P1200 | -7570K |

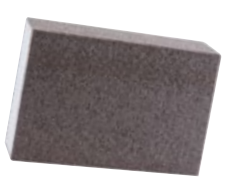
## YORK ABRASIVES Flexible Abrasive Sponges & Pads

### Double Sided

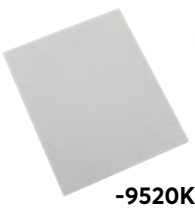
- For general-purpose sanding on wood (**-9000K, -9320K**)
- Suitable for sanding 90°

### Single Sided

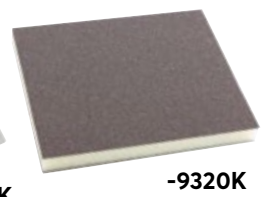
- Single-sided highly flexible abrasive coated sponge pad (**-9520K**)



**-9000K**



**-9520K**



**-9320K**

| Abrasive Material | Grade | Length | Width | Depth | Order Code YRK-201 |
|---|---|---|---|---|---|
| Al-Ox | Fine | 96mm | 69mm | 25mm | -9000K |
| SiC | Fine | 140mm | 110mm | 5mm | -9520K |
| | Fine | 120mm | 98mm | 13mm | -9320K |

# SANDING BELTS & SANDING DISCS



## YORK ABRASIVES Sanding & Linishing Belts

Al-Ox

- Poly/cotton backing material
- High cutting performance
- Designed for a wide range of power files
- Suitable for hard wood, low & high carbon steel, stainless steel & non ferrous metals

**Priced per 100. Belts are packed and supplied in multiples of 10.**

| Machine | Width | Length | Grade | Grit | Order Code YRK-204 |
|---|---|---|---|---|---|
| Mini File Belt Sander | 6mm | 330mm | Coarse | P36 | -4060K |
| | | | | P60 | -4120K |
| | | | | P80 | -4140K |
| | | | Medium | P100 | -4160K |
| | | | | P120 | -4180K |
| | | | | P150 | -4200K |
| | | | Fine | P240 | -4240K |
| | | 457mm | Medium | P150 | -3202K |
| | | 610mm | Coarse | P60 | -3240K |
| Mini File Belt Sander | 10mm | 330mm | Coarse | P40 | -3260K |
| | | | | P50 | -3265K |
| | | | | P60 | -3270K |
| | | | | P80 | -3275K |
| | | 457mm | Medium | P120 | -3282K |
| | | | | P150 | -3301K |
| Mini File Belt Sander | 12mm | 420mm | Coarse | P60 | -4280K |
| | | | Medium | P120 | -4300K |
| | | | Fine | P240 | -4340K |
| Mini File Belt Sander | 13mm | 305mm | Coarse | P40 | -3302K |
| | | | | P60 | -3304K |
| | | | | P80 | -3306K |
| | | | Medium | P120 | -3308K |
| | | 457mm | Coarse | P36 | -3310K |
| | | | | P40 | -3320K |
| | | | | P60 | -3330K |
| | | | | P80 | -3342K |
| | | 610mm | Coarse | P36 | -4360K |
| | | | | P40 | -4370K |
| | | | | P50 | -4380K |
| | | | | P60 | -4420K |
| | | | | P80 | -4440K |
| | | | Medium | P100 | -4460K |
| | | | | P120 | -4480K |
| | | | | P150 | -4500K |

| Machine | Width | Length | Grade | Grit | Order Code YRK-204 |
|---|---|---|---|---|---|
| Mini File Belt Sander | 19mm | 457mm | Coarse | P80 | -3390K |
| | 20mm | 457mm | Coarse | P60 | -3422K |
| | | | | P80 | -3442K |
| | | | Medium | P120 | -3450K |
| | | 480mm | Coarse | P40 | -4660K |
| | | | | P50 | -4670K |
| | | | | P60 | -4680K |
| | | 50mm | Coarse | P36 | -4860K |
| | | | | P40 | -4870K |
| | | | | P60 | -4920K |
| | | | | P80 | -4940K |
| | | | Medium | P100 | -4960K |
| | | | | P120 | -4980K |
| | | | | P150 | -5000K |
| | | | Fine | P240 | -5040K |
| File Belt Sander | 25mm | 760mm | Coarse | P36 | -5100K |
| | | | | P60 | -5130K |
| | | | | P80 | -5140K |
| | | | Medium | P120 | -5160K |
| | | 1370mm | Medium | P100 | -5320K |
| | | 1525mm | Coarse | P50 | -5420K |
| File Belt Sander | 50mm | 1525mm | Coarse | P60 | -5920K |
| | | 1830mm | Coarse | P40 | -6010K |
| | | | Medium | P100 | -6040K |
| | | 2000mm | Coarse | P50 | -6150K |

## KENNEDY Portable Sanding & Linisher Belts

Al-Ox

- Resin bond aluminium oxide sanding belts are designed for industrial applications
- Durability combined with flexibility ensures a long life and first class performance
- Suitable for wood and metal work
- Backing - Poly/cotton

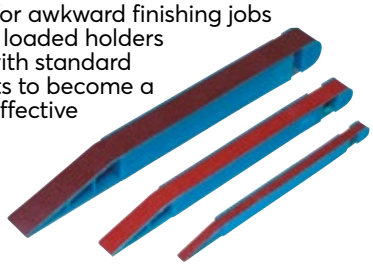
| Width | Length | Grade | Grit | Order Code KEN-204 |
|---|---|---|---|---|
| 100mm | 915mm | Coarse | P24 | -1040K |
| | | | P36 | -1060K |
| | | | P40 | -1080K |
| | | | P50 | -1100K |
| | | | P60 | -1120K |
| | | | P80 | -1140K |
| | | Medium | P100 | -1160K |
| | | | P120 | -1180K |
| | | | P150 | -1200K |
| | | | P180 | -1220K |

Floor Mounted Belt Sander

## YORK ABRASIVES Sanding Sticks

Al-Ox

- Ideal tool for awkward finishing jobs
- The spring loaded holders combined with standard sanding belts to become a simple but effective lapping tool
- Belts are suitable for use on wood and metal



| Width | Length | Grade | Grit | Order Code YRK-204 |
|---|---|---|---|---|
| 6mm | 330mm | Coarse | P36 | -9060K |
| 12mm | 420mm | | P60 | -9120K |
| 20mm | 520mm | | P80 | -9190K |

## YORK ABRASIVES Sanding Discs

- Can be removed and re-applied and unaffected by dust or moisture
- Aluminium oxide abrasive 'resin-bonded over resin'

Random Orbital Sander

| Holes | Abrasive Material | Mounting Type | For use on | Diameter | Grade | Grit | Pack Qty | Order Code YRK-202 |
|---|---|---|---|---|---|---|---|---|
| 6 Holes | Al-Ox | Self Adhesive | Wood Plastic Ceramic | 150mm | Medium | P60 | 50 | -6360K |
| | | | | | | P80 | | -6370K |
| | | | | | Fine | P100 | | -6380K |
| | | | | | | P120 | | -6390K |
| | | | | | Very Fine | P150 | | -6400K |
| | | | | | | P180 | | -6410K |
| | | | | | | P220 | | -6420K |

**Self Adhesive**

# SANDING BANDS



## YORK ABRASIVES Sanding Bands

Al-Ox

For grinding and finishing edges, profiles, welded joints on most metals
• Spiral wound with tear-resistant backing fabric

| Diameter x Width | Grit | Max (rpm) | Order Code YRK-205 |
|---|---|---|---|
| 10 x 10mm | P60 | 38,000 | -0520K |
| | P80 | | -0550K |
| | P150 | | -0580K |
| 10 x 20mm | P60 | 38,000 | -0720K |
| | P80 | | -0750K |
| | P150 | | -0780K |
| 13 x 10mm | P60 | 30,000 | -0920K |
| | P80 | | -0950K |
| | P150 | | -0980K |
| 13 x 25mm | P60 | 30,000 | -1120K |
| | P80 | | -1150K |
| | P150 | | -1180K |
| 15 x 10mm | P60 | 26,000 | -1320K |
| | P80 | | -1350K |
| | P150 | | -1380K |
| 15 x 30mm | P60 | 26,000 | -1520K |
| | P80 | | -1550K |
| | P150 | | -1580K |
| 19 x 25mm | P60 | 20,000 | -1720K |
| | P80 | | -1750K |
| | P150 | | -1780K |
| 22 x 20mm | P60 | 17,000 | -1920K |
| | P80 | | -1950K |
| | P150 | | -1980K |
| 25 x 25mm | P60 | 15,000 | -2120K |
| | P80 | | -2150K |
| | P150 | | -2180K |
| 30 x 20mm | P60 | 13,000 | -2320K |
| | P80 | | -2350K |
| | P150 | | -2380K |
| 30 x 30mm | P60 | 13,000 | -2520K |
| | P80 | | -2550K |
| | P150 | | -2580K |
| 38 x 25mm | P60 | 10,000 | -2720K |
| | P80 | | -2750K |
| | P150 | | -2780K |
| 45 x 30mm | P60 | 8,500 | -2920K |
| | P80 | | -2950K |
| | P150 | | -2980K |
| 51 x 25mm | P60 | 7,500 | -3120K |
| | P80 | | -3150K |
| | P150 | | -3180K |
| 60 x 30mm | P60 | 6,500 | -3320K |
| | P80 | | -3350K |
| | P150 | | -3380K |
| 75 x 30mm | P60 | 5,000 | -3520K |
| | P80 | | -3550K |
| | P150 | | -3580K |
| 100 x 40mm | P60 | 4,000 | -3720K |
| | P80 | | -3750K |
| | P150 | | -3780K |

## Fitting/Removal Of Bands

**Spindle Rotation During Use** (Holder expands)

**Band Rotation** (Holder stationary)

**Max Operating Speeds (Peripheral=25M/sec)**

| Band Dia. (mm) | Max. (rpm) |
|---|---|
| 10 | 47,500 |
| 13 | 36,500 |
| 15 | 31,500 |
| 19 | 25,000 |
| 22 | 21,500 |
| 25 | 19,000 |
| 30 | 15,800 |
| 38 | 12,500 |
| 45 | 10,500 |
| 51 | 9,300 |
| 60 | 7,900 |
| 75 | 6,300 |
| 100 | 4,700 |

## YORK ABRASIVES Sanding Bands Kits

### 21 Piece Kits

Al-Ox

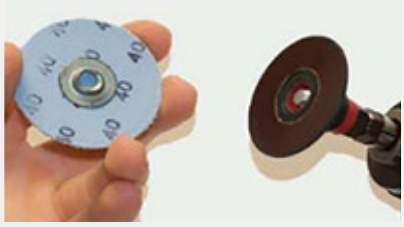
For grinding and finishing edges, profiles, welded joints on most metals
• Spiral wound with tear-resistant backing fabric

| Size (mm) | Contents | Order Code YRK-205 |
|---|---|---|
| 15 x 30 | 10 x P60<br>6 x P80<br>4 x P150<br>1 x 6mm Shank Holder | -9360K |
| 25 x 25 | 10 x P60<br>6 x P80<br>4 x P150<br>1 x 6mm Shank Holder | -9320K |
| 51 x 25 | 10 x P60<br>6 x P80<br>4 x P150<br>1 x 6mm Shank Holder | -9340K |

## YORK ABRASIVES Drum Holders

Suitable for use with chucks/collets on all portable power and air tools. Self expanding when in use for a secure grip on abrasive sanding bands. All shanks are 6mm, except where marked * which has an 8mm shank.

| Diameter x Width | Order Code YRK-205 |
|---|---|
| 10 x 20mm | -4130K |
| 13 x 25mm | -4190K |
| 15 x 10mm | -4220K |
| 15 x 30mm | -4250K |
| 19 x 25mm | -4280K |
| 22 x 20mm | -4310K |
| 25 x 25mm | -4340K |
| 30 x 20mm | -4370K |
| 30 x 30mm | -4400K |
| 38 x 25mm | -4430K |
| 45 x 30mm | -4460K |
| 51 x 25mm | -4490K |
| 60 x 30mm | -4520K |



1 Make sure you have the correct holder pad for your disc

2 Put the disc on the holder pad

3 Screw it on the threaded pin

## YORK ABRASIVES Surface Preparation

Quick change screw fitting ensures that the disc is always perfectly centred without adhesive, moving parts or centre screw damage to the workpiece. All discs are compatible with 3M Roloc™ system holders.

## YORK ABRASIVES Aluminium Oxide Abrasive Discs

For general-purpose use on steel and non-ferrous metals

Angle Die Grinder

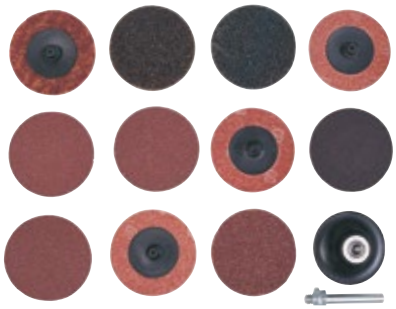
**Al-Ox**

| Diameter | Grit | Order Code YRK-205 |
|---|---|---|
| 25mm | P36 | -5010K |
| | P40 | -5020K |
| | P50 | -5030K |
| | P60 | -5040K |
| | P80 | -5050K |
| | P100 | -5060K |
| | P120 | -5070K |
| | P180 | -5080K |
| 38mm | P40 | -5120K |
| | P50 | -5130K |
| | P80 | -5150K |
| | P100 | -5160K |
| | P180 | -5180K |
| 50mm | P36 | -5210K |
| | P40 | -5220K |
| | P50 | -5230K |
| | P60 | -5240K |
| | P80 | -5250K |
| | P100 | -5260K |
| | P120 | -5270K |
| | P180 | -5280K |
| 75mm | P36 | -5310K |
| | P40 | -5320K |
| | P50 | -5330K |
| | P60 | -5340K |
| | P80 | -5350K |
| | P100 | -5360K |
| | P120 | -5370K |
| | P180 | -5380K |

## YORK ABRASIVES Quick Change Screw Fitting Disc Kits

- Multi-purpose kit containing: one of each surface preparation disc fine, medium and coarse
- Two of each abrasive disc grades P36, P60, P80 and P120
- One 6mm diameter shank to fit the backing pad

Angle Die Grinder

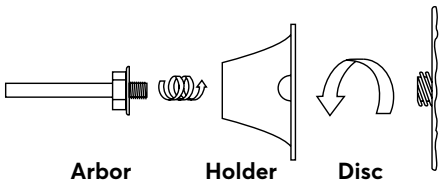


**Al-Ox**

| Disc Dia. | Order Code YRK-205 |
|---|---|
| 75mm | -9600K |

## YORK ABRASIVES Screw Fitting Disc Holders

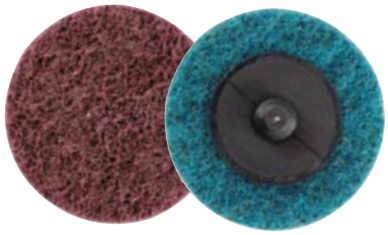
- Rubber holders to suit screw fitting discs
- Supplied complete with 6mm diameter shank



| To Suit Disc Size | Order Code YRK-205 |
|---|---|
| 38mm | -6820K |
| 50mm | -6830K |
| 75mm | -6840K |

## YORK ABRASIVES Surface Preparation Discs

- Designed for cleaning and finishing on all metals
- Leaves a burr-free surface ready for painting or coating
- Can also be used for the removal of light rust, oxides and coatings



Angle Die Grinder

**Al-Ox**

| For use | Dia | Grade | Max RPM | Order Code YRK-205 |
|---|---|---|---|---|
| Cleaning and finishing on all metals | 50mm | Very Fine | 23,000 | -6210K |
| | | Medium | | -6220K |
| | | Coarse | | -6230K |
| | 75mm | Very Fine | 18,000 | -6310K |
| | | Medium | | -6320K |
| | | Coarse | | -6330K |

## YORK ABRASIVES Hook-N-Loop Backed File Handle

- Use this file handle with different abrasive strips depending on the finish required
- Highly durable design
- Eliminates the need for multiple grades of traditional file

| Handle length | File length | Order Code YRK-205 |
|---|---|---|
| 30mm | 195mm | -8940K |

# CARTRIDGE ROLLS

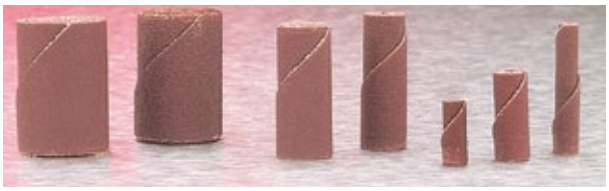


## York Cartridge Rolls

Al-Ox

Die Grinder

Spirally wound aluminium oxide cloth rolls that wear in use constantly exposing new abrasive. Used for weld flash removal, deburring, blending and polishing applications. Available in two types.
A steel mandrel must be used to secure the abrasive to the tool.



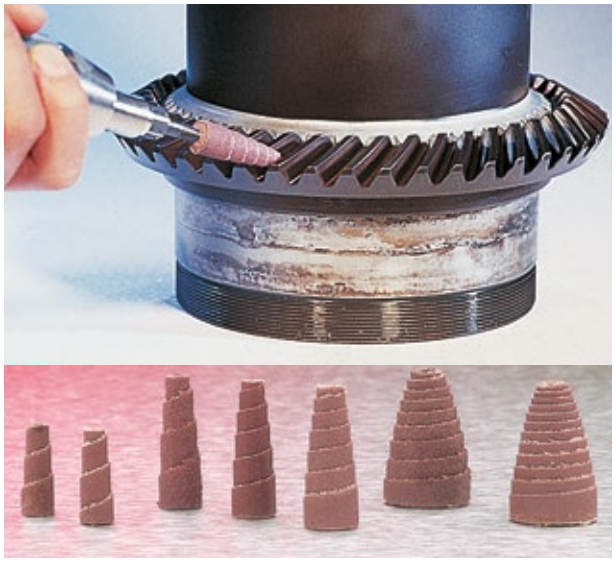
**Tip**
Your mandrel should be at least 13mm longer than your cartridge roll.

### Straight Type Cartridge Roll

### Mandrels

| Type | Shank Diameter | Length | Grit | Max RPM | Weight per 100 | Order Code YRK-205 |
|---|---|---|---|---|---|---|
| CR1 | 3mm | 19mm | P80 | 22,000 | 100g | -7010K |
| | | | P120 | | | -7020K |
| CR3 | 6mm | 19mm | P80 | 22,000 | 150g | -7050K |
| CR4 | 6mm | 25mm | P80 | 22,000 | 200g | -7070K |
| | | | P120 | | | -7080K |
| | | 38mm | P80 | | | -7250K |
| | | | P120 | | | -7260K |
| CR5 | 9.5mm | 25mm | P80 | 22,000 | 265g | -7090K |
| CR6 | 9.5mm | 38mm | P80 | 22,000 | 400g | -7110K |
| | | | P120 | | | -7120K |
| CR8 | 12mm | 38mm | P60 | 22,000 | 670g | -7150K |
| | | | P80 | | | -7155K |
| | | | P120 | | | -7160K |
| CR10 | 19mm | 38mm | P60 | 10,000 | 1500g | -7190K |
| | | | P120 | | | -7200K |

| Type | Order Code YRK-205 |
|---|---|
| CRM1 | -7510K |
| CRM3 | -7530K |
| CRM4 | -7540K |
| CRM5 | -7550K |
| CRM7 | -7570K |



Al-Ox

**Tip**
Your mandrel should be at least 13mm longer than your cartridge roll.

## Cartridge Roll Kit

Spirally wound aluminium oxide cloth roll that wears in use, constantly exposing new abrasive. Used for weld flash removal, deburring, blending and polishing applications.

**Contents:**
**Straight type rolls:**
6 - 10 x 38mm P80 and P120
4 - 13 x 38mm P80 and P120
12 - 6 x 38mm P80 and P120
16 - 6 x 25mm P80 and P125
6 - 10 x 25mm P80 and P120.

**Taper type rolls:**
6 - 10 x 38mm P80
6 - 13 x 38mm P80.

**Mandrels:**
1 - 3 x 25 x 6mm.
1 - 3 x 19 x 6mm.

122 PIECES

| Order Code YRK-205 |
|---|
| -9800K |

## Tapered Type Cartridge Rolls

Tapered for angles, corners and irregular or concave surfaces.

### Mandrels

| Type | Shank Dia | Length | Grit | Max RPM | Weight per 100 | Order Code YRK-205 |
|---|---|---|---|---|---|---|
| CRT1 | 9.5mm | 25mm | P60 | 22,000 | 235g | -7310K |
| | | | P120 | | | -7320K |
| | | 38mm | P80 | 22,000 | 256g | -7315K |
| CRT2 | 9.5mm | 25mm | P60 | 22,000 | 270g | -7330K |
| CRT3 | 12mm | 38mm | P60 | 22,000 | 460g | -7350K |
| | | | P80 | | | -7355K |
| | | | P120 | | | -7360K |

| Type | Order Code YRK-205 |
|---|---|
| CRM4 | -7540K |
| CRM5 | -7550K |

## Carbide Burrs

**Cut 3 - Rapid Cut**
For use on softer non-ferrous and plastic materials,
i.e. aluminium, fibreglass, plastics, hard rubber and zinc alloy.

**Cut 6 - Double Cut**
Crosscut and double cut to improve control and chipbreaks.
Manufactured from high grade tungsten carbide for general-purpose use.

**Cut 9 - Chipbreaker**
Chipbreaker fast stock removal for improved control and reduced chips for use on hard materials,
i.e. steel alloy 50RC, 60RC, carbon and cast iron.

Suitable for deburring and polishing of cast iron, cast steel, carbon steel, alloy steel and stainless steel etc. up to HRC65 hardness.

**Please note:**
- Workpiece and tools should always be steady and well supported.
- Carbide burrs are not suitable for 'milling' large amounts of material, they are for light stock removal at high rpm's **'LOW FEED - HIGH SPEED'**.
- Always ensure that at least 70% of the shank length is clamped by the collet or chuck of the tool being used.
- Always ensure that the tool is rated to the recommended operating speed of the burr.

| List Diameter | Recommended Operating Speeds (rpm) | Surface Speed |
|---|---|---|
| 3 | 64,000 - 75,000 | 600 - 700 m/min |
| 6 | 32,000 - 38,000 | |
| 8 | 24,000 - 28,000 | |
| 10 | 19,000 - 22,000 | |
| 12 | 16,000 -18,750 | |
| 16 | 12,000 - 14,000 | |

## KENNEDY® Carbide Burrs

**Cylindrical-End Cutting**
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 3 - Rapid Cut<br>Order Code **KEN-210** | Cut 9 - Chipbreaker<br>Order Code **KEN-210** |
|---|---|---|
| 3 x 14* | - | **-0080K** |
| 6 x 12* | - | **-0120K** |
| 6 x 18 | - | **-0160K** |
| 8 x 20 | - | **-0200K** |
| 10 x 20 | **-0220K** | **-0240K** |
| 12 x 20 | - | **-0280K** |
| 12 x 25 | - | **-0360K** |

## KENNEDY® Cylindrical Plain End

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 3 - Rapid Cut<br>Order Code **KEN-210** | Cut 9 - Chipbreaker<br>Order Code **KEN-210** |
|---|---|---|
| 3 x 14* | - | **-0580K** |
| 12 x 20 | - | **-0780K** |
| 16 x 25 | - | **-0900K** |
| 19 x 25 | **-0980K** | - |

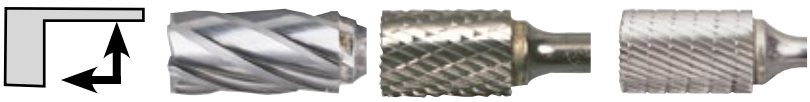
## KENNEDY® Cylindrical Ball Nosed

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 3 - Rapid Cut<br>Order Code **KEN-210** | Cut 9 - Chipbreaker<br>Order Code **KEN-210** |
|---|---|---|
| 3 x 12* | - | **-1080K** |
| 6 x 12* | - | **-1120K** |
| 6 x 18 | **-1140K** | **-1160K** |
| 8 x 20 | - | **-1200K** |
| 10 x 20 | - | **-1240K** |
| 12 x 25 | - | **-1320K** |

## YORK ABRASIVES Carbide Burrs

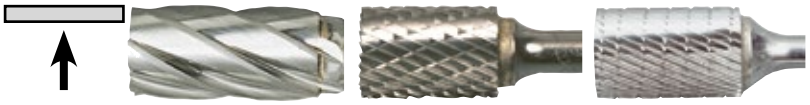
**Cylindrical-End Cutting**
All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



| Head Size Ø x L (mm) | Cut 3 - Rapid Cut<br>Order Code **YRK-210** | Cut 6 - Double Cut<br>Order Code **YRK-210** | Cut 9 - Chipbreaker<br>Order Code **YRK-210** |
|---|---|---|---|
| 3 x 12* | - | - | **-0129K** |
| 3 x 14* | - | - | **-0089K** |
| 6 x 16 | - | **-0166K** | **-0169K** |
| 6 x 19 | **-0143K** | - | - |
| 8 x 19 | - | - | **-0209K** |
| 10 x 19 | - | - | **-0249K** |
| 13 x 25 | - | - | **-0289K** |
| 16 x 25 | **-0383K** | - | **-0409K** |

## YORK ABRASIVES Cylindrical Plain End

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



| Head Size Ø x L (mm) | Cut 3 - Rapid Cut<br>Order Code **YRK-210** | Cut 6 - Double Cut<br>Order Code **YRK-210** | Cut 9 - Chipbreaker<br>Order Code **YRK-210** |
|---|---|---|---|
| 3 x 14* | - | - | **-0589K** |
| 4 x 13* | - | - | **-0629K** |
| 6 x 13* | - | **-0626K** | - |
| 6 x 16 | - | - | **-0669K** |
| 6 x 19 | **-0643K** | - | - |
| 8 x 19 | - | - | **-0709K** |
| 10 x 19 | **-0723K** | - | **-0749K** |
| 13 x 25 | - | - | **-0789K** |
| 16 x 25 | - | - | **-0909K** |

## YORK ABRASIVES Cylindrical Ball Nosed

All sizes are nominal.
Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 6 - Double Cut<br>Order Code **YRK-210** | Cut 9 - Chipbreaker<br>Order Code **YRK-210** |
|---|---|---|
| 3 x 14* | **-1086K** | **-1089K** |
| 6 x 13* | **-1126K** | **-1129K** |
| 6 x 16 | - | **-1169K** |
| 8 x 19 | - | **-1209K** |
| 10 x 19 | - | **-1249K** |
| 11 x 25 | - | **-1329K** |
| 16 x 25 | - | **-1409K** |

# CARBIDE BURRS

## YORK ABRASIVES Carbide Burrs

### Round Tree

All sizes are nominal.
Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 9 - Chipbreaker Order Code YRK-210 |
|---|---|
| 3 x 13* | -3089K |
| 6 x 16 | -3169K |
| 6 x 19 | - |
| 10 x 19 | -3249K |
| 13 x 25 | -3329K |

### Flame Shape

All sizes are nominal.
Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 9 - Chipbreaker Order Code YRK-210 |
|---|---|
| 3 x 6* | -2129K |
| 8 x 19 | -2169K |
| 13 x 32 | -2329K |

### Pointed Tree

All sizes are nominal.
Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 6 - Double Cut Order Code YRK-210 | Cut 9 - Chipbreaker Order Code YRK-210 |
|---|---|---|
| 3 x 13* | - | -4129K |
| 6 x 13* | -4166K | -4169K |
| 10 x 19 | - | -4249K |
| 13 x 19 | - | -4289K |
| 13 x 25 | - | -4329K |
| 16 x 25 | - | -4409K |

### Ball Shape

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 6 - Double Cut Order Code YRK-210 | Cut 9 - Chipbreaker Order Code YRK-210 |
|---|---|---|
| 3 x 3* | - | -6089K |
| 5 x 4* | -6126K | -6129K |
| 6 x 5 | - | -6169K |
| 8 x 6 | -6206K | -6209K |
| 11 x 10 | - | -6249K |
| 13 x 11 | -6326K | -6329K |
| 16 x 14 | - | -6369K |

### Oval

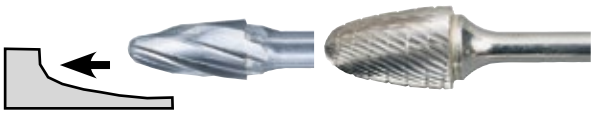
All sizes are nominal.
Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 6 - Double Cut Order Code YRK-210 | Cut 9 - Chipbreaker Order Code YRK-210 |
|---|---|---|
| 6 x 10* | -5166K | -5169K |
| 10 x 16 | - | -5209K |
| 13 x 22 | - | -5249K |
| 16 x 25 | - | -5329K |

## KENNEDY Carbide Burrs

### Round Tree

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.



| Head Size Ø x L (mm) | Cut 3 - Rapid Cut Order Code KEN-210 | Cut 9 - Chipbreaker Order Code KEN-210 |
|---|---|---|
| 10 x 20 | -3220K | -3240K |
| 12 x 25 | -3300K | -3320K |
| 16 x 25 | -3380K | - |

### Flame Shape

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 9 - Chipbreaker Order Code KEN-210 |
|---|---|
| 8 x 20 | -2160K |
| 12 x 32 | -2320K |

### Pointed Tree

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 9 - Chipbreaker Order Code KEN-210 |
|---|---|
| 6 x 12* | -4160K |
| 10 x 20 | -4240K |

### Ball Shape

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 9 - Chipbreaker Order Code KEN-210 |
|---|---|
| 4 x 4* | -6120K |
| 6 x 6* | -6160K |

### Oval Shape

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Ø x L (mm) | Cut 3 - Rapid Cut Order Code KEN-210 | Cut 9 - Chipbreaker Order Code KEN-210 |
|---|---|---|
| 6 x 10* | - | -5160K |
| 9.5 x 15 | - | -5200K |
| 16 x 25 | -5300K | - |

## KENNEDY® Carbide Burrs
### Conical

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Æ x L (mm) | Cut 9 - Chipbreaker Order Code KEN-210 |
|---|---|
| 3 x 11* | -7120K |
| 10 x 20 | -7240K |
| 12 x 25 | -7320K |

### Conical 14°

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Æ x L (mm) | Cut 3 - Rapid Cut Order Code KEN-210 | Cut 9 - Chipbreaker Order Code KEN-210 |
|---|---|---|
| 3 x 11* | - | -8120K |
| 12 x 28 | - | -8320K |

### Conical 60° Inc. Angle

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Æ x L (mm) | Cut 9 - Chipbreaker Order Code KEN-210 |
|---|---|
| 6 x 4 | -8620K |
| 16 x 14 | -8660K |

### Conical 90° Inc. Angle

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Æ x L (mm) | Cut 9 - Chipbreaker Order Code KEN-210 |
|---|---|
| 10 x 4 | -8930K |

### Inverted Cone

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Æ x L (mm) | Cut 9 - Chipbreaker Order Code KEN-210 |
|---|---|
| 6 x 8 | -9160K |
| 13 x 12 | -9320K |

## YORK ABRASIVES Carbide Burrs
### Conical

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Æ x L (mm) | Cut 6 - Double Cut Order Code YRK-210 | Cut 9 - Chipbreaker Order Code YRK-210 |
|---|---|---|
| 3 x 11* | - | -7129K |
| 6 x 13* | -7166K | - |
| 6 x 19 | -7206K | -7209K |
| 10 x 16 | - | -7249K |
| 13 x 22 | - | -7329K |

### Conical 14°

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Æ x L (mm) | Cut 6 - Double Cut Order Code YRK-210 | Cut 9 - Chipbreaker Order Code YRK-210 |
|---|---|---|
| 5 x 13* | - | -8129K |
| 6 x 16* | - | -8168K |
| 6 x 16 | - | -8169K |
| 8 x 22 | - | -8209K |
| 6 X 19 | -8180K | - |
| 10 x 27 | - | -8249K |
| 13 x 28 | - | -8329K |
| 16 x 30 | - | -8409K |

### Conical 60° Inc. Angle

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Æ x L (mm) | Cut 9 - Chipbreaker Order Code YRK-210 |
|---|---|
| 10 x 8 | -8649K |
| 16 x 14 | -8669K |

### Conical 90° Inc. Angle

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Æ x L (mm) | Cut 9 - Chipbreaker Order Code YRK-210 |
|---|---|
| 6 x 3 | -8919K |
| 13 x 6 | -8959K |

### Inverted Cone

All sizes are nominal. Sizes marked * are 3mm shank, all others are 6mm shank.

| Head Size Æ x L (mm) | Cut 9 - Chipbreaker Order Code YRK-210 |
|---|---|
| 12.7 x 12.7 | -9329K |
| 19 x 16 | -9489K |

# CARBIDE DOUBLE CUT BURRS



## Ball Nosed Cylinder

- Manufactured from high grade carbide for improved toughness
- Crosscut and double cut to improve control and chip-breaks
- Ball nosed design

| Head Dia. mm | Head Length mm | Shank Dia. | Order Code SHR-210 |
|---|---|---|---|
| 10 | 20 | 6mm | -0004A |
| 12 | 25 | 6mm | -0004B |
| 16 | 25 | 6mm | -0004C |
| 6 | 18 | 6mm | -0004D |
| 8 | 20 | 6mm | -0004E |

## Cone Head Cylinder

- Manufactured from high grade carbide for improved toughness
- Crosscut and double cut to improve control and chip-breaks
- Cone head design

| Head Dia. mm | Head Length mm | Shank Dia. | Order Code SHR-210 |
|---|---|---|---|
| 3 | 11 | 3mm | -0004Y |
| 6 | 20 | 6mm | -0004Z |
| 10 | 20 | 6mm | -0004V |
| 12 | 26 | 6mm | -0004W |
| 16 | 25 | 6mm | -0004X |

## Cylinder Shaped - Without End Cut

- Manufactured from high grade carbide for improved toughness
- Crosscut and double cut to improve control and chip-breaks

| Head Dia. mm | Head Length mm | Shank Dia. | Order Code SHR-210 |
|---|---|---|---|
| 3 | 14 | 3mm | -0000L |
| 16 | 25 | 6mm | -0001A |
| 6 | 18 | 6mm | -0001B |
| 8 | 20 | 6mm | -0001C |
| 10 | 20 | 6mm | -0002D |
| 12 | 25 | 6mm | -0002R |

## Ball-Nosed Cone Head Cylinder

- Manufactured from high grade carbide for improved toughness
- Crosscut and double cut to improve control and chip-breaks
- Ball-nosed cone head design

| Head Dia. mm | Head Length mm | Shank Dia. | Order Code SHR-210 |
|---|---|---|---|
| 3 | 14 | 3mm | -0003X |
| 6 | 18 | 6mm | -0003Y |
| 8 | 25 | 6mm | -0003Z |
| 10 | 20 | 6mm | -0003T |
| 12 | 30 | 6mm | -0003V |
| 16 | 33 | 6mm | -0003W |

## Ball Nosed

- Manufactured from high grade carbide for improved toughness
- Crosscut and double cut to improve control and chip-breaks
- Ball-nosed design

| Head Dia. mm | Head Length mm | Shank Dia. | Order Code SHR-210 |
|---|---|---|---|
| 10 | 20 | 6mm | -0004F |
| 12 | 25 | 6mm | -0004G |
| 16 | 25 | 6mm | -0004H |
| 3 | 14 | 3mm | -0004J |
| 6 | 18 | 6mm | -0004K |

## Flame-Shaped Head Cylinder

- Manufactured from high grade carbide for improved toughness
- Crosscut and double cut to improve control and chip-breaks
- Flame head design

| Head Dia. mm | Head Length mm | Shank Dia. | Order Code SHR-210 |
|---|---|---|---|
| 3 | 6 | 3mm | -0009M |
| 8 | 20 | 6mm | -0005F |
| 12 | 30 | 6mm | -0005C |
| 16 | 35 | 6mm | -0005D |

## Oval Shaped

- Manufactured from high grade carbide for improved toughness
- Crosscut and double cut to improve control and chip-breaks
- Oval-shaped

| Head Dia. mm | Head Length mm | Shank Dia. | Order Code SHR-210 |
|---|---|---|---|
| 3 | 6 | 3mm | -0005K |
| 6 | 10 | 6mm | -0005L |
| 10 | 15 | 6mm | -0005G |
| 12 | 20 | 6mm | -0005H |

## Pointed Tree Burr - Double Cut

- Manufactured from high grade carbide for improved toughness
- Crosscut and double cut to improve control and chip-breaks
- Pointed tree design

| Head Dia. mm | Head Length mm | Shank Dia. | Order Code SHR-210 |
|---|---|---|---|
| 3 | 14 | 3mm | -0008A |
| 10 | 20 | 6mm | -0006M |
| 12 | 25 | 6mm | -0007A |
| 16 | 25 | 6mm | -0007M |

## Cylinder Shaped - With End Cut

- Manufactured from high grade carbide for improved toughness
- Crosscut and double cut to improve control and chip-breaks
- End cut

| Head Dia. mm | Head Length mm | Shank Dia. | Order Code SHR-210 |
|---|---|---|---|
| 3 | 14 | 3mm | -0000M |
| 6 | 18 | 6mm | -0001D |
| 8 | 20 | 6mm | -0001Q |
| 10 | 20 | 6mm | -0002E |
| 12 | 25 | 6mm | -0002T |
| 16 | 25 | 6mm | -0003F |

## Ball Shape

- Manufactured from high grade carbide for increased toughness
- Cut 6 double cut improves cutting control and chipbreaks
- Suitable for deburring and polishing applications

| Head Dia. mm | Head Length mm | Shank Dia. | Order Code SHR-210 |
|---|---|---|---|
| 12 | 11 | 6mm | -0004N |
| 3 | 2.5 | 3mm | -0004Q |

## Burr Sets

- Sherwood Deburring Set: Precision-crafted with double-cut geometry for optimal control and reduced chip size
- Tailored for general-purpose ferrous applications, ensuring superior performance
- Upgrade your deburring experience with Sherwood's commitment to quality and efficiency

| No. Pieces | Order Code SHR-210 |
|---|---|
| 8 | -0010C |

# CARBIDE DIAMOND/DOUBLE CUT BURRS



## YORK ABRASIVES 'Speedway' Burr Sets

Unique flute design: fine pitch and coarse pitch flutes for rapid material removal, while maintaining a smooth surface finish.

**Contains 1x each:**
10 x 19mm cylindrical end cutting,
cylindrical plain end, cylindrical ball end,
round tree, pointed tree,
6 x 5mm spherical,
6 x 19mm conical,
10 x 27 conical 14°.

8 PIECES

UNIQUE 'DUAL CUT' DESIGN

| Shank Size | Order Code YRK-210 |
|---|---|
| 3mm | -9940K |
| 6mm | -9920K |

## YORK ABRASIVES Carbide Burr Sets

Sets of various style burrs now in a metal case. Ideal for the shop floor workman with various deburring tasks.

**Operating speeds:** 6,000 - 40,000rpm.

**Cut 6 - 6mm Shank Contents 1x each:**
10 x 19mm cylindrical end cutting, cylindrical plain end, cylindrical ball end, round tree, pointed tree, 6 x 5mm spherical, 6 x 19mm conical, 10 x 27 conical 14°.

**Cut 6 - 3mm Shank Contents 1x each:**
3 x 14mm cylindrical end cutting,
3 x 14mm cylindrical plain end,
3 x 14mm cylindrical ball end,
6 x 13mm pointed tree, 6 x 10mm oval,
3 x 3mm spherical, 3 x 11mm conical,
6 x 19mm conical 14°.

8 PIECES

| Shank Size | Order Code YRK-210 |
|---|---|
| 3mm | -9896K |
| 6mm | -9886K |

## YORK ABRASIVES Diamond Coated Burrs

3mm shank. Overall length 45mm. Diamond grip mesh is 120/140. Recommended operating speeds 15,000 - 30,000rpm. Suitable for precision grinding of carbide gems, ceramics, tough alloys, cermets, tool steels etc.

### Cylindrical

DIAMOND

| Head Dia. x Length (mm) | Order Code YRK-210 |
|---|---|
| 1.0 x 9 | -9010K |
| 1.5 x 9 | -9015K |
| 2.0 x 10 | -9020K |
| 2.5 x 10 | -9025K |
| 3.0 x 10 | -9030K |
| 4.0 x 10 | -9040K |
| 5.0 x 10 | -9050K |

### Ball Nosed

DIAMOND

| Head Dia. x Length (mm) | Order Code YRK-210 |
|---|---|
| 1.0 x 1.0 | -9310K |
| 2.0 x 2.0 | -9320K |
| 3.0 x 3.0 | -9330K |
| 4.0 x 4.0 | -9340K |
| 5.0 x 5.0 | -9350K |

### Cylindrical Ball Nosed

DIAMOND

| Head Dia. x Length (mm) | Order Code YRK-210 |
|---|---|
| 1.5 x 9 | -9115K |
| 2.0 x 10 | -9120K |
| 2.5 x 10 | -9125K |
| 3.0 x 10 | -9130K |
| 4.0 x 10 | -9140K |
| 5.0 x 10 | -9150K |

### Round Tree

DIAMOND

| Head Dia. x Length (mm) | Order Code YRK-210 |
|---|---|
| 2.0 x 10 | -9510K |
| 3.0 x 10 | -9570K |
| 3.3 x 10 | -9610K |
| 3.3 x 10 | -9620K |

### Pointed Tree

DIAMOND

| Head Dia. x Length (mm) | Order Code YRK-210 |
|---|---|
| 2.0 x 9 | -9220K |
| 3.0 x 9 | -9230K |
| 4.0 x 10 | -9240K |
| 5.0 x 10 | -9250K |

### Conical

DIAMOND

| Included Angle | Head Dia. x Length | Order Code YRK-210 |
|---|---|---|
| 7° | 2 x 12 | -9770K |
| 10° | 3 x 15 | -9800K |

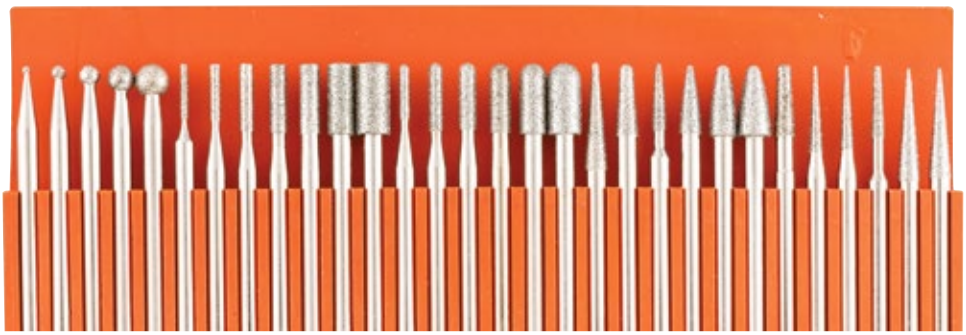
## YORK ABRASIVES Diamond Coated Burr Set

DIAMOND

Set of various style burrs packaged in a handy pocket 'glasses case' style plastic holder. Ideal for the shop floor workman with various deburring tasks. Assorted sizes of ball shape, cylindrical, ball nose cylindrical, tree shape and conical. Up to 4.5mm diameter. 3m shank.

**Overall length:** 45mm.

30 PIECES



| Order Code YRK-210 |
|---|
| -9900K |

# FLAP DISCS



## YORK ABRASIVES Flap Discs

High performance alternative to sanding discs. Overlapped abrasive strips slowly wear away revealing fresh abrasive, ensuring the disc always cuts effectively, reducing clogging. No backing pads needed. Safe to use at 80m/s on any grinder. Tested at 150m/s and approved by the German Grinding Wheel Authority (DSA). Available in two grades and with two types of backing.
**For use on steel and non ferrous metals.**

**Aluminium Oxide Grade Glass Fibre-Backed**
(General-purpose, non-scratch).

Type 29

**Precision Layered**

**Al-Ox**

Right Angle Grinder

| Grit | Order Code YRK-220 |
|---|---|
| **100mm Dia x 16mm Bore** 15,300 MOS (rpm) | |
| P36 | **-9410K** |
| P40 | **-9420K** |
| P60 | **-9430K** |
| P80 | **-9440K** |
| P120 | **-9450K** |
| **115mm Dia x 22mm Bore** 13,300 MOS (rpm) | |
| P36 | **-9510K** |
| P40 | **-9520K** |
| P60 | **-9530K** |
| P80 | **-9540K** |
| P120 | **-9550K** |
| **125mm Dia x 22mm Bore** 12,000 MOS (rpm) | |
| P36 | **-9610K** |
| P40 | **-9620K** |
| P60 | **-9630K** |
| P80 | **-9640K** |
| P120 | **-9650K** |
| **180mm Dia x 22mm Bore** 8,600 MOS (rpm) | |
| P36 | **-9710K** |
| P40 | **-9720K** |

## YORK ABRASIVES Conical Fibre Backed Flap Discs

Flap discs grind like depressed centre wheels and finish like fibre discs.

- Backing material: Fibre glass
- No thread
- Engineered for stock removal, blending and finishing all in one application
- Ideal to eliminate the use of conventional grinding wheels, sanding or fibre discs in many application
- For use on steel and non-ferrous metals
- **EN12413**

Type 29

Right Angle Grinder

**Zirc**

| Diameter | Grit | Order Code YRK-220 |
|---|---|---|
| 100mm | P40 | **-7310E** |
| | P60 | **-7310J** |
| | P80 | **-7310L** |
| | P120 | **-7310Q** |
| 115mm | P36 | **-7314C** |
| | P40 | **-7314E** |
| | P60 | **-7314J** |
| | P80 | **-7314L** |
| | P120 | **-7314Q** |
| 125mm | P40 | **-7317E** |
| | P60 | **-7317J** |
| | P120 | **-7317Q** |
| 180mm | P40 | **-7320E** |
| | P60 | **-7320J** |

SENATOR® QUALITY TOOLING

**Built to Perform. Designed to Last.**

**Engineered to excel and crafted to endure, tool after tool. Includes an extensive range of products from Tool Kits and Socket Sets to Hammers and Tool Chests.**

## York Flap Wheels

Al-Ox

Shaft mounted flap wheels can be used in portable air or electric power tools. Manufactured from highest quality industrial cloth. Used for removal of rust, cleaning up welds and sanding wood prior to painting. Boxed in 10s except for 60 x 50 and 80 x 50 which are packed in 6's.

**Applications**
Final finishing of metal surfaces. Mis-match removal and deburring on machined components. Blending and finishing tool, tubes, dies, moulds, channels. Edge blending and cleaning. Surface preparation prior to painting and plating. Can be used on wood, plastic and fibreglass.

### 3mm Shank

| Grit | Order Code YRK-220 |
|---|---|
| **30mm Dia x 10mm Height** 23,000 MOS (rpm) | |
| P60 | **-1010K** |
| P80 | **-1020K** |
| P120 | **-1030K** |
| P150 | **-1040K** |
| P180 | **-1050K** |
| P240 | **-1080K** |
| P320 | **-1100K** |
| **30mm Dia x 15mm Height** 23,000 MOS (rpm) | |
| P60 | **-1510K** |
| P80 | **-1520K** |
| P120 | **-1530K** |
| P180 | **-1550K** |

### 6mm Shank

| Grit | Order Code YRK-220 |
|---|---|
| **30mm Dia x 10mm Height** 23,000 MOS (rpm) | |
| P40 | **-1570K** |
| P60 | **-1572K** |
| P80 | **-1574K** |
| P120 | **-1576K** |
| **30mm Dia x 15mm Height** 23,000 MOS (rpm) | |
| P40 | **-1600K** |
| P60 | **-1610K** |
| P80 | **-1620K** |
| P120 | **-1630K** |
| P150 | **-1640K** |
| **40mm Dia x 10mm Height** 19,100 MOS (rpm) | |
| P80 | **-1920K** |
| **40mm Dia x 15mm Height** 19,100 MOS (rpm) | |
| P40 | **-2000K** |
| P60 | **-2010K** |
| P80 | **-2020K** |
| P120 | **-2030K** |
| **40mm Dia x 20mm Height** 19,100 MOS (rpm) | |
| P40 | **-2200K** |
| P60 | **-2210K** |
| P80 | **-2220K** |
| P120 | **-2230K** |
| P180 | **-2250K** |
| **40mm Dia x 25mm Height** 19,100 MOS (rpm) | |
| P40 | **-2400K** |
| P60 | **-2410K** |

| Grit | Order Code YRK-220 |
|---|---|
| P80 | **-2420K** |
| P120 | **-2430K** |
| P180 | **-2450K** |
| **40mm Dia x 30mm Height** 19,100 MOS (rpm) | |
| P40 | **-2600K** |
| P60 | **-2610K** |
| P80 | **-2620K** |
| **50mm Dia x 10mm Height** 15,200 MOS (rpm) | |
| P40 | **-2800K** |
| P60 | **-2810K** |
| P80 | **-2820K** |
| P120 | **-2830K** |
| **50mm Dia x 15mm Height** 15,200 MOS (rpm) | |
| P40 | **-3000K** |
| P60 | **-3010K** |
| P80 | **-3020K** |
| P120 | **-3030K** |
| **50mm Dia x 20mm Height** 15,200 MOS (rpm) | |
| P40 | **-3500K** |
| P60 | **-3510K** |
| P80 | **-3520K** |
| P120 | **-3530K** |
| **50mm Dia x 25mm Height** 15,200 MOS (rpm) | |
| P40 | **-3800K** |
| P60 | **-3810K** |
| P80 | **-3820K** |
| P120 | **-3830K** |
| P150 | **-3850K** |
| **50mm Dia x 30mm Height** 15,200 MOS (rpm) | |
| P40 | **-3900K** |
| P60 | **-3910K** |
| P80 | **-3920K** |
| P120 | **-3930K** |
| P180 | **-3940K** |
| **50mm Dia x 40mm Height** 15,200 MOS (rpm) | |
| P40 | **-3950K** |
| P60 | **-3960K** |
| P80 | **-3970K** |
| P120 | **-3980K** |
| P180 | **-3990K** |
| **60mm Dia x 20mm Height** 12,000 MOS (rpm) | |
| P40 | **-4000K** |
| P60 | **-4010K** |
| P80 | **-4020K** |
| P120 | **-4030K** |
| **60mm Dia x 30mm Height** 12,000 MOS (rpm) | |
| P40 | **-4500K** |
| P60 | **-4510K** |
| P80 | **-4520K** |
| P120 | **-4530K** |
| P150 | **-4540K** |
| P180 | **-4550K** |
| P240 | **-4580K** |
| **60mm Dia x 40mm Height** 12,000 MOS (rpm) | |
| P40 | **-5000K** |
| P60 | **-5010K** |
| P80 | **-5020K** |
| P120 | **-5030K** |
| P180 | **-5050K** |
| P240 | **-5080K** |
| **60mm Dia x 50mm Height** 12,000 MOS (rpm) | |
| P60 | **-5110K** |
| P80 | **-5120K** |
| P120 | **-5130K** |
| P180 | **-5140K** |

| Grit | Order Code YRK-220 |
|---|---|
| **80mm Dia x 20mm Height** 8,900 MOS (rpm) | |
| P40 | **-5200K** |
| P60 | **-5210K** |
| P80 | **-5220K** |
| **80mm Dia x 30mm Height** 8,900 MOS (rpm) | |
| P40 | **-5500K** |
| P60 | **-5510K** |
| P80 | **-5520K** |
| P120 | **-5530K** |
| P320 | **-5600K** |
| **80mm Dia x 40mm Height** 8,900 MOS (rpm) | |
| P40 | **-6000K** |
| P60 | **-6010K** |
| P80 | **-6020K** |
| P120 | **-6030K** |
| **80mm Dia x 50mm Height** 8,900 MOS (rpm) | |
| P40 | **-6500K** |
| P60 | **-6510K** |
| P80 | **-6520K** |
| P120 | **-6530K** |

**5 Piece Set Contents:**
30 x 15mm: P80,
40 x 15mm: P80,
50 x 15mm: P60,
50 x 20mm: P80,
60 x 30mm: P60.

### 6mm Shank

| Order Code YRK-220 | |
|---|---|
| **-6950K** | Al-Ox |

**8 Piece Set Contents:**
30 x 15mm: P60,
30 x 15mm: P120,
40 x 15mm: P60,
40 x 15mm: P120,
50 x 20mm: P80,
50 x 25mm: P60,
60 x 30mm: P40,
60 x 30mm: P80.

### 6mm Shank

| Order Code YRK-220 | |
|---|---|
| **-6980K** | Al-Ox |

**8 Piece 'Mini' Set Contents:** (*6mm Shank) :
10 x 10mm: P60,
10 x 10mm: P120,
15 x 15mm: P80*,
15 x 15mm: P120,
20 x 10mm: P60*,
20 x 10mm: P120*,
25 x 15mm: P80,
25 x 25mm: P80*.

| Order Code YRK-220 | |
|---|---|
| **-7000K** | Al-Ox |

# CUTTING DISCS



## YORK ABRASIVES Flat Reinforced Cutting Discs

Right Angle Grinder

For metal cutting. Sharp Aluminium Oxide grains.
Longer life and higher material removal rates. Non-polluting of stainless Steels (Fe, S, Cl <0.1%) Iron, Sulphur and Chlorine content <0.1%.
oSA: EN12413

*For use on Tiles, natural stone and some building materials.

1

2

3

4

5

6

| Type | Abrasive Material | For | Grit | Grade | Grade Designation | Diameter | Max RPM | Width | Bore | Order Code YRK-230 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 Type 42 Depressed | Al-Ox | general purpose use on metals | 30 | Medium/Coarse | A30 | 100mm | 15,500 | 3mm | 16mm | -0085K |
| | | | | | | 115mm | 13,300 | | 22mm | -1085K |
| | | | | | | 125mm | 13,300 | | 22mm | -2085K |
| | | | | | | 180mm | 8,600 | | 22mm | -3085K |
| | | | | | | 230mm | 6,600 | | 22mm | -4085K |
| 2 Type 41 Flat | Al-Ox | general purpose use on metals | 30 | Medium/Coarse | A30S | 100mm | 15,500 | 3mm | 16mm | -5085K |
| | | generel purpose use on metals | | | A30S | 115mm | 13,300 | | 22mm | -6085K |
| | | Tiles, natural stone and some building materials | | | C30S | 115mm | 13,300 | | 22mm | -6805K |
| | | general purpose use on metals | | | A30S | 125mm | 13,300 | | 22mm | -6955K |
| | | general purpose use on metals | | | A30S | 180mm | 8,600 | | 22mm | -7085K |
| | | general purpose use on metals | | | A30S | 230mm | 6,600 | | 22mm | -8085K |
| 3 Type 41 Flat | Al-Ox | INOX/stainless steel | 60 | Fine | A60S | 115mm | 13,300 | 1mm | 22mm | -4435K |
| | | INOX/stainless steel | 46 | Fine/Medium | A46S | 115mm | 13,300 | 1.6mm | | -4440K |
| | | INOX/stainless steel | 60 | Fine | A60S | 125mm | 12,500 | 1mm | | -4465K |
| | | INOX/stainless steel | 46 | Fine/Medium | A46S | 125mm | 12,500 | 1.6mm | | -4470K |
| | | INOX/stainless steel | 46 | Fine/Medium | AS46 | 180mm | 8,600 | 1.6mm | | -4500K |
| | | INOX/stainless steel | 46 | Fine/Medium | A46S | 230mm | 6,600 | 1.8mm | | -4540K |
| 4 Type 41 Flat | Al-Ox | general purpose use on metals | 30 | Medium/Coarse | A30RBF | 100mm | 15,200 | 3mm | 16mm | -5110K |
| | | stone & non-ferrous materials | 30 | Medium/Coarse | C24RBF | 100mm | 15,200 | | 16mm | -5120K |
| | | general purpose use on metals | 30 | Medium/Coarse | A30TBF | 115mm | 13,300 | | 22mm | -5150K |
| | | general purpose use on metals | 30 | Medium/Coarse | A30RBF | 125mm | 12,200 | | 22mm | -5200K |
| | | stone & non-ferrous materials | 30 | Medium/Coarse | C24TBF | 125mm | 12,200 | | 22mm | -5210K |
| | | general purpose use on metals | 30 | Medium/Coarse | A30TBF | 180mm | 8,600 | | 22mm | -5250K |
| | | general purpose use on metals | 30 | Medium/Coarse | A30TBF | 230mm | 6,600 | | 22mm | -5300K |
| | | general purpose use on metals | 30 | Medium/Coarse | A30RBF | 300mm | 5,100 | | 20mm | -5350K |
| | | stone & non-ferrous materials | 30 | Medium/Coarse | C24RBF | 300mm | 5,100 | | 20mm | -5360K |
| | | general purpose use on metals | 30 | Medium/Coarse | A30RBF | 300mm | 5,100 | | 22mm | -5380K |
| | | stone & non-ferrous materials | 30 | Medium/Coarse | C24RBF | 300mm | 5,100 | | 22mm | -5390K |
| | | | 24 | Coarse | A24NBF | 355mm | 3,800 | | 25mm | -5420K |
| 5 Type 42 Depressed | Al-Ox | general purpose use on metals | 30 | Medium/Coarse | A30TBF | 100mm | 15,200 | 3mm | 16mm | -0650K |
| | | | | | A30TBF | 115mm | 13,300 | | 22mm | -0670K |
| | | | | | A30RBF | 125mm | 12,200 | | 22mm | -0690K |
| | | | | | A30TBF | 180mm | 8,600 | | 22mm | -0710K |
| | | | | | A30TBF | 230mm | 6,600 | | 22mm | -0730K |
| 6 Type 41 Flat | Al-Ox | Stainless Steel & Mild Steel | 60 | Fine | A60TBF | 100mm | 15,200 | 1mm | 16mm | -4750K |
| | | | 60 | Fine | A60TBF | 115mm | 13,300 | 1mm | 22mm | -4770K |
| | | | 60 | Fine | A60TBF | 115mm | 13,300 | 1.6mm | 22mm | -4780K |
| | | | 60 | Fine | A60TBF | 125mm | 12,200 | 1mm | 22mm | -4800K |
| | | | 60 | Fine | A60TBF | 125mm | 12,200 | 1.6mm | 22mm | -4810K |
| | | | 36 | Medium | A36SBF | 180mm | 8,600 | 1.8mm | 22mm | -4830K |
| | | | 36 | Medium | A36SBF | 230mm | 6,600 | 1.8mm | 22mm | -4850K |

## PCL APT75FCM 10pc 3" / 75mm Extra Thin Flat Metal Cutting Discs

Extra thin metal cutting disc suitable for use with PCL and other brand cut off tools.
- 3" (75mm) diameter - 76 x 1 x 10 mm.
- Excellent performance and cutting life.
- 10mm bore

| MFR Part No. | Grain Designation | Order Code PCL-230 |
|---|---|---|
| APT75FCM | A46TBF | -2487F |


## Cutting Discs

See our range

Scan the QR code

## York Reinforced Grinding Discs

Right Angle Grinder

1

2

4

| Type | For | Max RPM | Grit | Grade | Abrasive Material | Diameter | Width | Bore | Order Code YRK-230 |
|---|---|---|---|---|---|---|---|---|---|
| 1 Type 27 Depressed | Steel | 15,200 | 30 | Medium/coarse | | 100mm | 5mm | 16mm | -0250K |
| | | 15,200 | | | | 100mm | 6mm | 16mm | -0260K |
| | | 13,300 | | | | 115mm | 5mm | 22.23mm | -0300K |
| | | 13,300 | | | | 115mm | 6mm | 22.23mm | -0310K |
| | | 12,200 | | | | 125mm | 6mm | 22.23mm | -0350K |
| | | 8,600 | | | | 180mm | 6mm | 22.23mm | -0410K |
| | | 6,600 | | | | 230mm | 6mm | 22.23mm | -0460K |
| 2 Type 27 Depressed | | 15,200 | | | | 100mm | 6mm | 16mm | -0165K |
| | | 13,300 | | | | 115mm | 6mm | 22.23mm | -1165K |
| | | 12,200 | | | | 125mm | 6mm | 22.23mm | -2165K |
| | | | | | | 180mm | 6mm | 22.23mm | -3165K |
| | | | | | | 230mm | 6mm | 22.23mm | -4165K |
| 3 Type 27 Depressed | | 8,600 | | | | 180mm | 6mm | 22.23mm | -0420K |
| 4 Type 27 Depressed | | 13,300 | | | | 115mm | 4mm | 22.23mm | -1125K |

## Grinding Wheels

Al-Ox

### Type 1 plain, Virtified Bond

- Unaffected by water, acid and oils
- All 31.75mm bore, supplied with 1", 7/8", 3/4", 5/8" and 1/2" bore nylon bushes

31.75mm Bore

76.20mm Bore

| Diameter | Thickness | Grain Designation | Grade | Order Code YRK-235 |
|---|---|---|---|---|
| **31.75mm Bore** | | | | |
| 150mm | 13mm | A46MV | Medium | -1535K |
| | | A60MV | Medium | -1555K |
| | | A80MV | Medium | -1585K |
| | 16mm | A46MV | Medium | -1735K |
| | | A60MV | Medium | -1755K |
| | 20mm | A36OV | Medium | -2015K |
| | | A36PV | Hard | -2025K |
| | | A46MV | Medium | -2035K |
| | | A60PV | Hard | -2065K |
| | | A80MV | Medium | -2075K |
| 180mm | 13mm | A46MV | Medium | -2445K |
| | 20mm | A60MV | Medium | -2555K |
| 200mm | 20mm | A36MV | Medium | -2618K |
| | | A36PV | Hard | -2625K |
| | | A46MV | Medium | -2635K |
| | | A46PV | Hard | -2645K |
| | | A60MV | Medium | -2655K |
| | | A60PV | Hard | -2665K |

| Diameter | Thickness | Grain Designation | Grade | Order Code YRK-235 |
|---|---|---|---|---|
| **31.75mm Bore** | | | | |
| 200mm | 25mm | A36PV | Hard | -2825K |
| | | A46MV | Medium | -2835K |
| | | A46PV | Hard | -2845K |
| | | A60MV | Medium | -2855K |
| | | A60PV | Hard | -2865K |
| | | A80MV | Medium | -2875K |
| **76.20mm Bore** | | | | |
| 256mm | 25mm | A36MV | Medium | -3305K |
| | | A36NV | Hard | -3325K |
| | | A46MV | Medium | -3345K |
| | | A60MV | Medium | -3365K |
| 300mm | 33mm | A36NV | Hard | -4525K |
| | | A46MV | Medium | -4565K |
| | | A60MV | Medium | -4605K |

# GRINDING WHEELS



## YORK ABRASIVES Grinding Wheels

### Type 1 plain, Virtified Bond

- Unaffected by water, acid and oils
- All 31.75mm bore, supplied with 1", 7/8", 3/4", 5/8" and 1/2" bore nylon bushes

To be used with bench grinder.

White Al-Ox

SiC

| Abrasive Material | Dia. | Thickness | Grain Designation | Grade | Order Code YRK-235 |
|---|---|---|---|---|---|
| **31.75mm Bore** | | | | | |
| SiC | 127mm | 13mm | GC80KV | Medium | **-0055K** |
| | 150mm | 13mm | GC60JV | Soft | **-1635K** |
| | | 16mm | GC100IV | Soft | **-1805K** |
| | | | GC60JV | Soft | **-1785K** |
| | | 20mm | GC100IV | Soft | **-2135K** |
| | | | GC60JV | Soft | **-2115K** |
| | | | GC80JV | Soft | **-2125K** |
| | | 25mm | GC60KV | Medium | **-2385K** |
| | 180mm | 13mm | GC60JV | Soft | **-2465K** |
| | | 13mm | GC100IV | Soft | **-2470K** |
| | | 20mm | GC60JV | Soft | **-2595K** |
| | 200mm | 20mm | GC60JV | Medium | **-2715K** |
| | | 25mm | GC100IV | Soft | **-2935K** |
| | | | GC120IV | Soft | **-2945K** |
| | | | GC60JV | Soft | **-2915K** |
| | | | GC80JV | Soft | **-2925K** |
| Al-Ox | 100mm | 6mm | WA80KV | Medium | **-0035K** |
| | 127mm | 6mm | WA100KV | Medium | **-0048K** |
| | | | WA60KV | Medium | **-0042K** |
| | 150mm | 6mm | WA100KV | Medium | **-1135K** |
| | | | WA60KV | Medium | **-1115K** |
| | | 13mm | WA100KV | Medium | **-1627K** |
| | | | WA60KV | Medium | **-1622K** |
| | | 20mm | WA60KV | Medium | **-2095K** |
| | 180mm | 13mm | WA100KV | Medium | **-2545K** |
| | | | WA46HV | Soft | **-2485K** |
| | | | WA46JV | Medium | **-2495K** |
| | | | WA46KV | Medium | **-2505K** |

| Abrasive Material | Dia. | Thickness | Grain Designation | Grade | Order Code YRK-235 |
|---|---|---|---|---|---|
| **31.75mm Bore** | | | | | |
| Al-Ox | 180mm | 6mm | WA100KV | Medium | **-2415K** |
| | | | WA100KV | Medium | **-2410K** |
| | | | WA60KV | Medium | **-2405K** |
| | | 13mm | WA60JV | Medium | **-2515K** |
| | | | WA60KV | Medium | **-2525K** |
| | | | WA80JV | Soft | **-2529K** |
| | | | WA80KV | Medium | **-2535K** |
| | | 20mm | WA46KV | Medium | **-2565K** |
| | | | WA60KV | Medium | **-2575K** |
| | | | WA80KV | Medium | **-2585K** |
| | 200mm | 13mm | WA46KV | Medium | **-2598K** |
| | | | WA60KV | Medium | **-2605K** |
| | | | WA80KV | Medium | **-2615K** |
| | | 20mm | WA46KV | Medium | **-2685K** |
| | | | WA60KV | Medium | **-2705K** |
| **76.20mm Bore** | | | | | |
| Al-Ox | 250mm | 20mm | WA46KV | Medium | **-3245K** |
| | 256mm | 20mm | WA60KV | Medium | **-3265K** |
| | | 25mm | WA46JV | Medium | **-3425K** |
| | | | WA46KV | Medium | **-3445K** |
| | | | WA60KV | Medium | **-3465K** |
| SiC | 256mm | 25mm | GC60JV | Medium | **-3505K** |
| | | | GC60KV | Medium | **-3525K** |
| | | | GC80JV | Medium | **-3545K** |
| | | | GC100IV | Soft | **-3585K** |
| | 300mm | 33mm | GC60JV | Medium | **-4705K** |
| **127.00mm Bore** | | | | | |
| Al-Ox | 300mm | 25mm | WA46KV | Medium | **-4265K** |
| | | | WA60KV | Medium | **-4285K** |
| | | | WA100KV | Medium | **-4320K** |

## YORK ABRASIVES Bench Grinding Wheel Bore Reducing Bush Set

- For all plain grinding wheels with 31.75mm bore, supplied with 1", 3/4", 5/8" and 1/2" bore nylon bushes
- Durable, reliable construction

| Grade mm | Order Code YRK-235 |
|---|---|
| 31.75 | **-9010K** |

## YORK ABRASIVES Clean & Strip Unitised Wheels

Al-Ox

Cleans surfaces faster and more effectively than wire brushes, scrapers or pickling pastes. High stock removal producing a very good finish. Ideally suitable for preparation and cleaning of welds, rust removal and removal of discolouration.

**6mm Mandrel for clean strip wheel**

Order Code **YRK-280**

**-5010K**

**Requires Mandrel**

| Diameter | Bore | Grade | Maximum RPM | Order Code YRK-245 |
|---|---|---|---|---|
| 100mm | 12mm | X/Coarse | 5500 | **-5020K** |
| 150mm | | | 3500 | **-5040K** |
| 200mm | | | 2500 | **-5060K** |

## YORK ABRASIVES Clean & Strip Unitised Wheels

Shaft mounted
- Shank diameter: 6mm
- Alternate flaps of abrasive are interleaved with a versatile high quality nylon
- Deburring
- Producing cosmetic finishes
- Rust removal and blending
- Ideal for use on wood and metal

**Non-woven Flap Wheels**

| Diameter | Thickness | Grit | Grade | Order Code YRK-245 |
|---|---|---|---|---|
| 50mm | 50mm | 100-150 | Medium | **-7571K** |
| 60mm | 30mm | 100-150 | Medium | **-7621K** |
| 50mm | 25mm | 50-80 | Coarse | **-8311K** |
| 50mm | 25mm | 100-150 | Medium | **-8321K** |
| 50mm | 25mm | 240-360 | Very Fine | **-8341K** |
| 76mm | 50mm | 100-150 | Medium | **-8421K** |
| 76mm | 50mm | 240-360 | Very Fine | **-8440K** |

**Interleaved Flap Wheels**

| Diameter | Thickness | Grade | Order Code YRK-245 |
|---|---|---|---|
| 50mm | 50mm | Coarse | **-7961K** |
| 50mm | 50mm | Medium | **-7971K** |
| 50mm | 50mm | Fine | **-7981K** |
| 50mm | 50mm | Very Fine | **-7990K** |
| 60mm | 30mm | Medium | **-8021K** |
| 100mm | 50mm | Medium | **-8171K** |
| 50mm | 25mm | Coarse | **-8711K** |
| 50mm | 25mm | Medium | **-8721K** |
| 50mm | 25mm | Fine | **-8731K** |
| 76mm | 50mm | Coarse | **-8811K** |

## YORK ABRASIVES Clean & Strip Unitised Discs

Al-Ox

**-5310K**

**-3510K**

| Diameter | Grade | Maximum RPM | Order Code YRK-245 |
|---|---|---|---|
| 75mm | X/Coarse | 10000 | **-5310K** |
| | | Backing Pad M14 Thread | **-3510K** |

## YORK ABRASIVES Surface Preparation & Finishing Discs

A complete range of flexible surface preparation discs from coarse grit through to a fine polishing disc allows you to rapidly and consistently achieve the finish you require. Ideal for rust removal, preparing and cleaning welds.

**M14 Threaded Backing Pad**
(supplied separately)

| Diameter | Density Grade | Order Code YRK-245 |
|---|---|---|
| 75mm | Polishing | **-3700K** |
| Backing Pad M14 Thread | | **-3510K** |

## YORK ABRASIVES Rust & Paint Removal Strippa Disc

Al-Ox

- Made of intertwined nylon fibres which are then immersed in synthetic resin and gently hardened
- Ideal for removing old paint, rust and welding splatter, polishing of stainless steel and removal of thermal bluing
- **DIN EN 13743**

| Diameter | Width | Bore | Grade | Max. RPM | Order Code YRK-245 |
|---|---|---|---|---|---|
| 115mm | 25mm | 22.23mm | X-Coarse | 10,500 | **-3800K** |

## YORK ABRASIVES Surface Preparation & Polishing Kit

**Contents:**
1x M14 backing pad
1x surface conditioning disc Brown (CRS)
1x surface conditioning disc in Maroon (medium), 1 x Blue (very fine) and 1 x Grey (ultra fine)
1x felt disc (White), 1x bar of compound (Yellow).

**7 PIECES**

Order Code **YRK-245**

**-9200K**

## Non-woven Web Hand Pads & Rolls

For manual or portable machine use

**Brown - Aluminium Oxide Grain Grade 80 = Extra Cut Coarse**
- Heaviest duty pad in the range
- A stiff product with high aggression
- A high mineral content makes these pads cut fast to remove contaminants and oxides
- Used for light deburring, cleaning and finishing applications, e.g. deburring edges of sheet materials to improve handling
- Produces excellent Matte Finish

Al-Ox

**Black - Silicone Carbide Grain Grade 110 = Medium S**
- For fast medium to coarse finishing and blending
- Gives a bright surface finish on stainless steel
- Low clogging
- Great for cleaning mild steel

SiC

**Green - Aluminium Oxide Grain Grade 100 = General Purpose Fine**
- Extra surface Grain For Clean Cutting Action
- Ideal all round product for multiple applications
- Can also be used for lacquer de-nibbing and matt finishing on solid surfaces
- Cleaning and finishing applications

Al-Ox

**Maroon - Aluminium Oxide Grain Grade 320 = X Fine**
- Extra surface Grain For Clean Cutting Action
- Consistent Fine Finish
- Ideal for Satin Finishing on Stainless Steel and Non-Ferrous Metals

Al-Ox

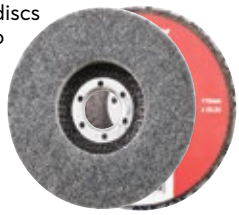
**Grey - Silicone Carbide Grain Grade 600 = XX Fine**
- High Durability
- Ideal for Scuffing Paint and Lacquer
- Super Fine Finish

SiC

**White - Non-Abrasive Grade 0 = cleaning & Polishing**
- For the removal of oxides and coatings, produces a scratch-free finish
- Ideal for Gentle Cleaning of Glass, Ceramics and stainless Steel

## KENNEDY Pro. Non-Woven Rapid Finishing Discs

- A unitised construction from open to tighter with varying weave, for deburring to finishing applications
- Can be used in sequence with fibre and flap discs to blend and impart a good finish in one or two operations
- Cuts freely with less heat
- Durable construction



| Dia mm | Order Code KEN-245 |
|---|---|
| 115 | -1434Y |
| 125 | -1434Z |

## KENNEDY Pro. Non-Woven Rapid Blend Discs

- For deburring to finishing applications
- Thick nylon web resists shedding and loading which provides long product life
- 2-in-1 action; can cut like an 80 grit flap disc and finish like a finishing disc
- • UnderRozmiard backing plate enables longer disc use before being replaced

| Dia mm | Order Code KEN-245 |
|---|---|
| 115 | -1434U |
| 125 | -1434V |

## KENNEDY Pro. Non-Woven Rapid Stripping Discs

- Safer than wire bristle tools
- Silicon Carbide grain lasts up to twice as long as other ceramic discs
- Leaves surfaces clean and adhesive for other subsequent processes such as painting, coating and soldering

| Dia mm | Order Code KEN-245 |
|---|---|
| 115 | -1434W |
| 125 | -1434X |

## YORK ABRASIVES Fibre Hand Pads
### 155 x 225mm, Pack of 10

A range of non-woven fibre hand pads for cleaning, blending and finishing applications.
**Size:** 155 x 225mm. Supplied in packs of 10.

**White - non-abrasive:** For the removal of oxides and coatings, produces a scratch-free finish.
**Grey - XX-fine pad:** for light finishing on all minerals as well as lacquer de-nibbing.
**Maroon - X-fine:** A general-purpose conformable hand pad which gives a finer finish than the Green hand pad.
**Green - fine:** General-purpose hand pad for cleaning and finishing. It can also be used for lacquer de-nibbing and matt finishing on solid surfaces.
**Black - medium:** For medium to coarse finishing and blending.
**Brown - coarse:** Heaviest duty pad in the range. Used for light deburring, cleaning and finishing applications, e.g. deburring edges of sheet materials to improve handling.

| Abrasive Material | Colour | Grade | Order Code YRK-245 |
|---|---|---|---|
| SiC | Grey | XX-Fine | -2100K |
| Al-Ox | Maroon | X-Fine | -2060K |
| Al-Ox | Green | Fine | -2040K |
| SiC | Black | Medium | -2000K |
| Al-Ox | Brown | Coarse | -2020K |
| Non Abrasive | White | Non Abrasive | -2080K |
| Pack of 6 1 x Grey, Maroon, Green, Black, Brown, White | | | -3000K |

## YORK ABRASIVES Non-woven Roll

Non-woven roll for cleaning, blending and finishing.

| Colour | Grade | Size | Order Code YRK-245 |
|---|---|---|---|
| Black | Medium | 100mm x 10m | -1620K |
| Black | Medium | 150mm x 10m | -1720K |
| Green | Fine | 150mm x 10m | -1740K |

## YORK ABRASIVES Felt Bobs

Die Grinder | Angle Die Grinder

- Made of pure wool in a variety of sizes, shapes
- The mandrels are exactly centred for true-running operation
- Suitable for product finishing/polishing

**Plain End Cylinder (Bob)** | **Ball Nose** | **Ball Nose (Cone)** | **Tapered Plain End**

| Shape | Dia. | Length | Shank Size | Max. rpm | Order Code YRK-247 |
|---|---|---|---|---|---|
| Plain End Cylinder (Bob) | 6mm | 10mm | 3mm | 15,000 | **-1040K** |
| | | 14mm | | | **-1060K** |
| | 12mm | 7mm | 3mm | 15,000 | **-1100K** |
| | | 24mm | 3mm | | **-1120K** |
| | | | 6mm | | **-1140K** |
| | 12.7mm | 15mm | 3mm | 10,000 | **-1150K** |
| | 13mm | 13mm | 3mm | 10,000 | **-1160K** |
| | 18mm | 20mm | 3mm | 10,000 | **-1190K** |
| | | 38mm | 6mm | | **-1200K** |
| | 19mm | 19mm | 6mm | 10,000 | **-1220K** |
| | 24mm | 24mm | 6mm | 8,000 | **-1250K** |
| | 25mm | 7mm | 3mm | 8,000 | **-1300K** |
| Ball Nose | 12.7mm | 12.7mm | 3mm | 8,000 | **-3940K** |
| Ball Nose (Cone) | 9mm | 14mm | 3mm | 15,000 | **-3080K** |
| | 12.7mm | 12.7mm | | 10,000 | **-3120K** |
| | 25mm | 25mm | 6mm | 8,000 | **-3220K** |
| Tapered Plain End | 12mm | 20mm | 3mm | 15,000 | **-3560K** |
| | 19mm | 25mm | 6mm | 8,000 | **-3720K** |
| | 25mm | 30mm | 6mm | 5,000 | **-3820K** |

## YORK ABRASIVES Polishing Mops

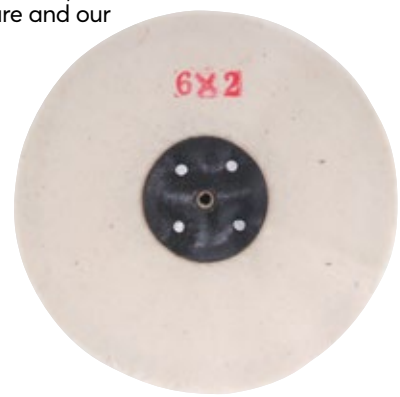
### Open Type - Soft

Produces high quality finishes on non-ferrous metals such as brass, copper, aluminium and pewter. Can also be used on plastics for a medium finish. Best used with medium polishing pressure. Can be used with our fast cutting and mirror finish polishing bars.

| Size (mm) | Order Code YRK-247 |
|---|---|
| 100 x 25 | **-4020K** |
| 150 x 25 | **-4040K** |
| 150 x 100 | **-4060K** |

### Open Type - Extra Soft

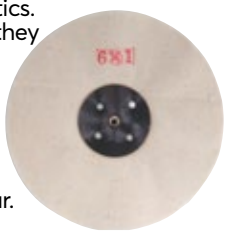
For use on plastics but are also suitable for gold and silver. Soft material is unsuitable for steel, stainless and non-ferrous metals. Performs well with a medium pressure and our synthetic gloss polishing bars.




| Size (mm) | Order Code YRK-247 |
|---|---|
| 100 x 25 | **-4120K** |
| 150 x 25 | **-4140K** |
| 150 x 50 | **-4160K** |

### Open Type - Medium

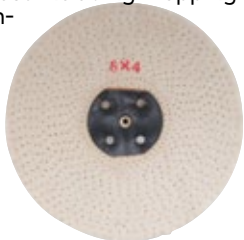
For use with steel, brassware, nickel silver, copper, aluminium, chrome and plastics. Made in 13mm (½") sections, they will splay out when under pressure, ideal for work on uneven surfaces. Use with medium pressure and general-purpose polishing bar, fast cutting finishing bar and mirror finish polishing bar.




| Size (mm) | Order Code YRK-247 |
|---|---|
| 100 x 12 | **-4220K** |
| 100 x 25 | **-4240K** |
| 150 x 25 | **-4260K** |
| Arbor To Suit | **-6020K** |

### Stitched Type - Untreated Sisal

Designed for HEAVY DUTY use including mopping operations on steel and non-ferrous metals. Ideal for the clearing of grinding/ polishing marks from previous operations.




| Size (mm) | Order Code YRK-247 |
|---|---|
| 150 x 13 | **-4320K** |
| 150 x 25 | **-4340K** |
| 150 x 50 | **-4360K** |
| 200 x 25 | **-4400K** |
| 200 x 50 | **-4420K** |
| 250 x 50 | **-4520K** |

# MOUNTED POINTS



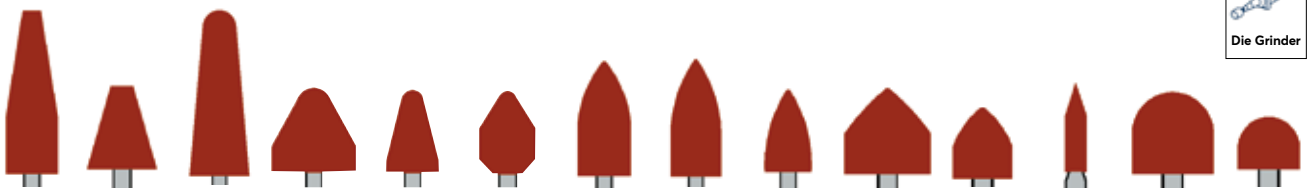
KENNEDY®

## Mounted Points & Wheels

Al-Ox

- Suitable for portable die and straight hand grinders
- All points are aluminium oxide with 'rubenite™' as standard for all general-purpose grinding and deburring on steels and most metals
- Maximum speeds are quoted assuming that collet to back of point does not exceed 12.7mm (½") and are for guidance only.

**'A' Shape Shank Diameter 6mm**



| Shape | A11 | A2 | A3 | A4 | A5 | A6 | A8 | A11 | A12 | A13 | A14 | A15 | A21 | A22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grade | RA46 | RA46 | RA46 | RA46 | RA46 | RA46 | RA46 | RA46 | RA46 | RA60 | RA60 | RA80 | RA60 | RA60 |
| **Diameter** | 20mm | 25mm | 25mm | 32mm | 20mm | 19mm | 21mm | 21mm | 18mm | 28mm | 18mm | 6mm | 25mm | 19mm |
| Length | 63mm | 32mm | 70mm | 32mm | 28mm | 28mm | 45mm | 50mm | 32mm | 28mm | 22mm | 27mm | 25mm | 16mm |
| Max RPM | 20,000 | 38,000 | 16,000 | 30,000 | 45,000 | 39,000 | 20,000 | 20,000 | 48,000 | 34,000 | 55,000 | 55,000 | 34,000 | 51,000 |
| | Order Code KEN-250 -0010K | Order Code KEN-250 -0020K | Order Code KEN-250 -0030K | Order Code KEN-250 -0040K | Order Code KEN-250 -0050K | Order Code KEN-250 -0060K | Order Code KEN-250 -0080K | Order Code KEN-250 -0110K | Order Code KEN-250 -0120K | Order Code KEN-250 -0130K | Order Code KEN-250 -0140K | Order Code KEN-250 -0150K | Order Code KEN-250 -0210K | Order Code KEN-250 -0220K |

**'A' Shape Shank Diameter 6mm**

| Shape | A23 | A24 | A25 | A26 | A31 | A32 | A33 | A34 | A35 | A36 | A37 | A39 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grade | RA60 | RA80 | RA60 | RA60 | RA46 | RA46 | RA46 | RA46 | RA46 | RA80 | RA80 | RA60 |
| **Diameter** | 19mm | 6mm | 25mm | 16mm | 35mm | 25mm | 25mm | 38mm | 25mm | 40mm | 32mm | 19mm |
| Length | 25mm | 20mm | 25mm | 16mm | 25mm | 16mm | 13mm | 9mm | 10mm | 10mm | 6mm | 19mm |
| Max RPM | 39,000 | 70,000 | 35,000 | 60,000 | 25,000 | 38,000 | 38,000 | 25,000 | 38,000 | 23,000 | 30,000 | 47,000 |
| | Order Code KEN-250 -0230K | Order Code KEN-250 -0240K | Order Code KEN-250 -0250K | Order Code KEN-250 -0260K | Order Code KEN-250 -0310K | Order Code KEN-250 -0320K | Order Code KEN-250 -0330K | Order Code KEN-250 -0340K | Order Code KEN-250 -0350K | Order Code KEN-250 -0360K | Order Code KEN-250 -0370K | Order Code KEN-250 -0390K |

**'B' Shape Shank Diameter 3mm**

| Shape | B41 | B42 | B43 | B44 | B45 | B46 | B47 | B51 | B52 | B53 | B54 | B55 | B61 | B62 | B63 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grade | RA80 | RA80 | RA100 | RA100 | RA100 | RA120 | RA120 | RA80 | RA80 | RA100 | RA100 | RA100 | RA80 | RA80 | RA100 |
| **Diameter** | 16mm | 13mm | 6mm | 6mm | 5mm | 3mm | 3mm | 12mm | 10mm | 8mm | 6mm | 3mm | 19mm | 13mm | 6mm |
| Length | 16mm | 19mm | 8mm | 10mm | 8mm | 8mm | 4mm | 19mm | 20mm | 16mm | 13mm | 6mm | 8mm | 10mm | 5mm |
| Max RPM | 34,000 | 33,000 | 80,000 | 68,000 | 100,000 | 100,000 | 100,000 | 45,000 | 45,000 | 60,000 | 60,000 | 100,000 | 38,000 | 41,000 | 92,000 |
| | Order Code KEN-250 -0410K | Order Code KEN-250 -0420K | Order Code KEN-250 -0430K | Order Code KEN-250 -0440K | Order Code KEN-250 -0450K | Order Code KEN-250 -0460K | Order Code KEN-250 -0470K | Order Code KEN-250 -0510K | Order Code KEN-250 -0520K | Order Code KEN-250 -0530K | Order Code KEN-250 -0540K | Order Code KEN-250 -0550K | Order Code KEN-250 -0610K | Order Code KEN-250 -0620K | Order Code KEN-250 -0630K |

**'B' Shape Shank Diameter 3mm**

| Shape | B65 | B70 | B73 | B81 | B82 | B83 | B84 | B91 | B92 | B95 | B96 | B101 | B102 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grade | RA120 | RA120 | RA120 | RA120 | RA120 | RA120 | RA120 | RA120 | RA120 | RA120 | RA100 | RA100 | RA180 |
| **Diameter** | 3mm | 19mm | 13mm | 19mm | 13mm | 10mm | 8mm | 13mm | 6mm | 3mm | 3mm | 16mm | 16mm |
| Length | 3mm | 3mm | 3mm | 5mm | 6mm | 5mm | 5mm | 16mm | 6mm | 5mm | 6mm | 18mm | 13mm |
| Max RPM | 100,000 | 50,000 | 73,000 | 50,000 | 76,000 | 87,000 | 100,000 | 34,000 | 81,000 | 100,000 | 100,000 | 33,000 | 44,000 |
| | Order Code KEN-250 -0650K | Order Code KEN-250 -0700K | Order Code KEN-250 -0730K | Order Code KEN-250 -0810K | Order Code KEN-250 -0820K | Order Code KEN-250 -0830K | Order Code KEN-250 -0840K | Order Code KEN-250 -0910K | Order Code KEN-250 -0920K | Order Code KEN-250 -0950K | Order Code KEN-250 -0960K | Order Code KEN-250 -1010K | Order Code KEN-250 -1020K |

**'B' Shape Shank Diameter 3mm**

| Shape | B103 | B104 | B105 | B106 | B111 | B112 | B113 | B114 | B121 | B122 | B123 | B124 | B131 | B132 | B135 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grade | RA80 | RA100 | RA120 | RA100 | RA100 | RA120 | RA80 | RA80 | RA120 | RA120 | RA80 | RA120 | RA80 | RA80 | RA120 |
| **Diameter** | 16mm | 8mm | 6mm | 3mm | 12mm | 10mm | 6mm | 6mm | 13mm | 10mm | 5mm | 3mm | 13mm | 10mm | 6mm |
| Length | 5mm | 10mm | 6mm | 3mm | 18mm | 13mm | 6mm | 10mm | 13mm | 10mm | 5mm | 3mm | 13mm | 13mm | 13mm |
| Max RPM | 61,000 | 68,000 | 100,000 | 100,000 | 33,000 | 45,000 | 70,000 | 68,000 | 45,000 | 61,000 | 100,000 | 100,000 | 34,000 | 45,000 | 60,000 |
| | Order Code KEN-250 -1030K | Order Code KEN-250 -1040K | Order Code KEN-250 -1050K | Order Code KEN-250 -1060K | Order Code KEN-250 -1110K | Order Code KEN-250 -1120K | Order Code KEN-250 -1130K | Order Code KEN-250 -1140K | Order Code KEN-250 -1210K | Order Code KEN-250 -1220K | Order Code KEN-250 -1230K | Order Code KEN-250 -1240K | Order Code KEN-250 -1310K | Order Code KEN-250 -1320K | Order Code KEN-250 -1350K |

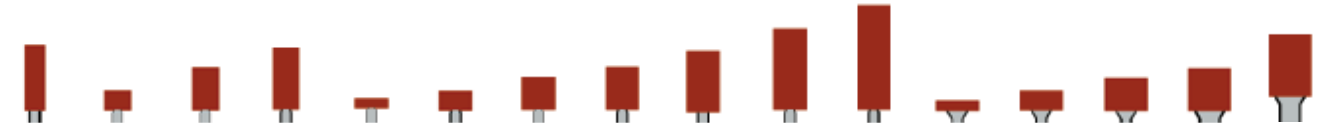
KENNEDY Al-Ox

Die Grinder

'W' Shape Shank Dia. 3mm

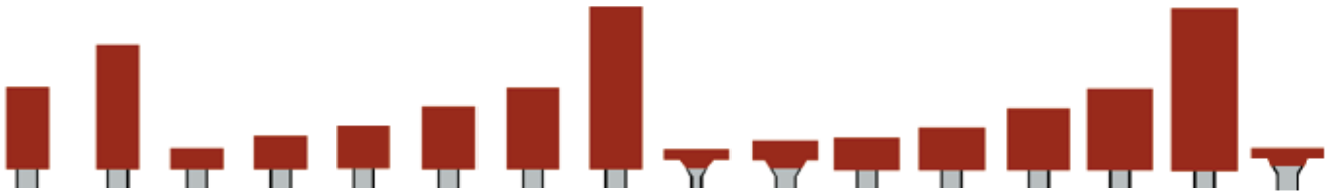
| Shape | W142 | W144 | W145 | W146 | W149 | W151 | W152 | W153 | W154 | W159 | W160 | W162 | W163 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grade | RA120 | RA100 | RA80 | RA80 | RA120 | RA120 | RA122 | RA120 | RA80 | RA100 | RA80 | RA80 | RA80 |
| Diameter | 2.5mm | 3mm | 3mm | 3mm | 4mm | 5mm | 5mm | 5mm | 5mm | 6mm | 6mm | 6mm | 6mm |
| Length | 6mm | 6mm | 10mm | 13mm | 6mm | 3mm | 6mm | 10mm | 13mm | 5mm | 6mm | 10mm | 13mm |
| Max RPM | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 80,000 | 70,000 | 92,000 | 81,000 | 68,000 | 60,000 |
| Order Code KEN-250 | -1420K | -1440K | -1450K | -1460K | -1490K | -1510K | -1520K | -1530K | -1540K | -1590K | -1600K | -1620K | -1630K |

'W' Shape Shank Dia. 3mm except * = 6mm



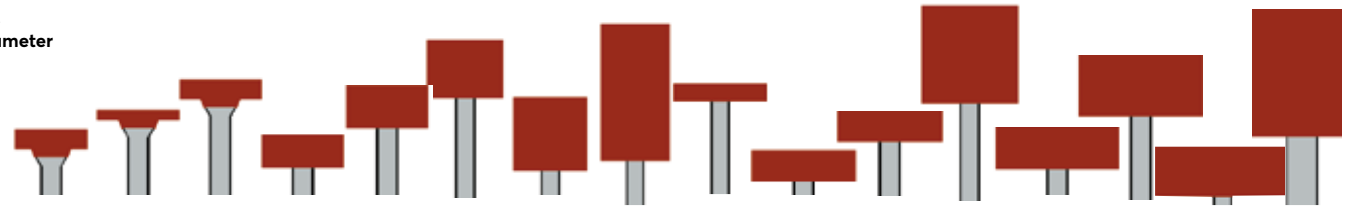
| Shape | W164 | W167 | W170 | W171* | W173 | W174 | W175 | W176 | W177* | W178* | W179* | W182 | W183 | W184 | W185 | W186* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grade | RA80 | RA60 | RA60 | RA60 | RA80 | RA60 | RA60 | RA60 | RA60 | RA60 | RA60 | RA60 | RA80 | RA80 | RA60 | RA60 |
| Diameter | 6mm | 8mm | 8mm | 8mm | 10mm | 10mm | 10mm | 10mm | 10mm | 10mm | 10mm | 13mm | 13mm | 13mm | 13mm | 13mm |
| Length | 20mm | 6mm | 13mm | 19mm | 3mm | 6mm | 10mm | 13mm | 20mm | 25mm | 32mm | 3mm | 6mm | 10m | 13mm | 20mm |
| Max RPM | 55,000 | 60,000 | 40,000 | 36,000 | 70,000 | 60,000 | 50,000 | 45,000 | 33,000 | 26,000 | 25,000 | 70,000 | 70,000 | 70,000 | 34,500 | 51,000 |
| Order Code KEN-250 | -1640K | -1670K | -1700K | -1710K | -1730K | -1740K | -1750K | -1760K | -1770K | -1780K | -1790K | -1820K | -1830K | -1840K | -1850K | -1860K |

'W' Shape Shank Dia. 6mm except * = 3mm



| Shape | W187 | W188 | W192 | W193 | W194 | W195 | W196 | W197 | W200* | W201 | W202 | W203 | W204 | W205 | W208 | W211* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grade | RA60 | RA60 | RA80 | RA60 | RA60 | RA60 | RA60 | RA60 | RA80 | RA60 | RA60 | RA60 | RA60 | RA36 | RA46 | RA80 |
| Diameter | 13,mm | 13mm | 16mm | 16mm | 16mm | 16mm | 16mm | 16mm | 20mm | 20mm | 20mm | 20mm | 19mm | 20mm | | |
| Length | 25mm | 38mm | 6mm | 10mm | 13mm | 19mm | 25mm | 50mm | 3mm | 6mm | 10mm | 13mm | 19mm | | | |
| Max RPM | 40,500 | 30,370 | 61,000 | 61,000 | 56,000 | 46,000 | 32,000 | 21,000 | 50,000 | 40,000 | 30,000 | 25,000 | 42,000 | 34,000 | 18,000 | 43,000 |
| Order Code KEN-250 | -1870K | -1880K | -1920K | -1930K | -1940K | -1950K | -1960K | -1970K | -2000K | -2010K | -2020K | -2030K | -2040K | -2050K | -2080K | -2110K |

'W' Shape Shank Diameter 6mm except W244 = 10mm & W211 = 3mm



| Shape | W212 | W215 | W216 | W217 | W218 | W219 | W220 | W222 | W225 | W226 | W227 | W230 | W236 | W238 | W242 | W244* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Grade | RA60 | RA80 | RA46 | RA46 | RA80 | RA46 | RA46 | RA46 | RA46 | RA46 | RA46 | RA46 | RA46 | RA46 | RA46 | RA46 |
| Diameter | 22mm | 25mm | 25mm | 25mm | 25mm | 25mm | 25mm | 25mm | 32mm | 32mm | 32mm | 32mm | 38mm | 38mm | 50mm | 50mm |
| Length | 6mm | 3mm | 6mm | 10mm | 13mm | 19mm | 25mm | 50mm | 6mm | 9.5mm | 13mm | 32mm | 13mm | 38mm | 25mm | 50mm |
| Max RPM | 33,000 | 38,000 | 38,000 | 38,000 | 38,000 | 35,000 | 25,000 | 15,900 | 30,000 | 30,000 | 30,000 | 20,000 | 25,000 | 15,000 | 11,000 | 11,000 |
| Order Code KEN-250 | -2120K | -2150K | -2160K | -2170K | -2180K | -2190K | -2200K | -2220K | -2250K | -2260K | -2270K | -2300K | -2360K | -2380K | -2420K | -2440K |

## KENNEDY Assorted Mounted Point Sets

Die Grinder | Right angle sander

Al-Ox

- Selected shapes suitable for a range of internal grinding operations
- For use with air and electric die grinders, drills etc.
- 3mm and 6mm shank sizes
- 'Rubenite' aluminium oxide grade for general use on metals

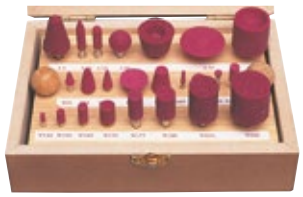
**5 Piece**
- A5, A24, A26, W217 and W205
- Supplied in clear bag with header

Order Code KEN-250 -2950K

**8 Piece**
- A5, A24, A25, A26, A39, W177, W186 and W205
- Supplied in clear bag with header

Order Code KEN-250 -2980K

**24 Piece**
- A5, A15, A24, A26, A32, A37, A38, B44, B52, B53, B81, B91, B97, B122, B123, B135, W144, W153, W163, W176, W177, W186, W205 and W220
- Supplied in fitted wooden bench case



Order Code KEN-250 -3240K

# OILSTONES



## KENNEDY® Oilstones

- A comprehensive range of bench stones and sharpening stones to cover a wide variety of sharpening and honing applications
- Most of the shapes and sizes are available in fine, medium and coarse grades
- All stones can be used wet or dry to produce sharp cutting edges or to remove burrs

### Silicon Carbide

SiC

- Man-made abrasive with very hard, sharp particles
- This makes it ideal for non-ferrous metals, hard surfaces, alloys and cemented carbides
- Also used on stone, marble, glass and plastics
- A superior abrasive that is able to penetrate and cut quickly with only light pressure being applied

### Aluminium Oxide

Al-Ox

- Man-made abrasive which is extremely tough enabling high speed penetration of high tensile materials without causing excessive fracturing
- This resistance to fracturing makes it a versatile material suitable for general sharpening and honing applications

**Scythe Stones**
**Flat Tapered Aluminium Oxide**

**Scythe Stones**
**Round Aluminium Oxide**

**Scythe Stones**
**Round Silicon Carbide**

**Reamer Stones**

**Silversmith Stones**

**Slip Stones**
**Aluminium Oxide**

**Slip Stones**
**Silicon Carbide**

**Knife Stone**

### Sharpening Stone Set
**Set of 6**

- Selected to cover the majority of sharpening applications.
- All stones are 13 x 100mm medium grit

**Contents:**
2x square
2x 3 square
2x round

Order Code
**KEN-255**
**-9000K**

| Type | Abrasive Material | Shape | Length | Width | Depth | Grade | Order Code KEN-255 |
|---|---|---|---|---|---|---|---|
| Scythe Stones | Al-Ox | Flat Tapered | 235mm | 15-35mm | 15-35mm | Coarse | -3620K |
| | | | 305mm | 20-36mm | 20-36mm | | -3720K |
| | Al-Ox | Round | 100mm | 6mm | 6mm | Fine | -2100K |
| | | | | | | Medium | -2110K |
| | | | | | | Coarse | -2120K |
| | | | | 10mm | 10mm | Fine | -2200K |
| | | | | | | Medium | -2210K |
| | | | | | | Coarse | -2220K |
| | | | | 13mm | 13mm | Fine | -2300K |
| | | | | | | Medium | -2310K |
| | SiC | Round | 100mm | 6mm | 6mm | Fine | -5400K |
| | | | | | | Medium | -5410K |
| | | | | | | Coarse | -5420K |
| | | | | 10mm | 10mm | Fine | -5500K |
| | | | | | | Medium | -5510K |
| | | | | | | Coarse | -5520K |
| | | | | 13mm | 13mm | Fine | -5600K |
| | | | | | | Medium | -5610K |
| | | | | | | Coarse | -5620K |
| | Al-Ox | Oval | 100mm | 13mm | 13mm | Fine | -2400K |
| | | | | | | Medium | -2410K |
| | | | | | | Coarse | -2420K |
| Slip stones | Al-Ox | Tapered | 100mm | 25mm | 5-11mm | Fine | -3000K |
| | | | | | | Medium | -3010K |
| | | | 115mm | 45mm | 1.5-6mm | | -3110K |
| | | | | | 5-13mm | Fine | -3200K |
| | | | | | | Medium | -3210K |
| | SiC | | 115mm | 45mm | 1.5-6mm | Fine | -5800K |
| | | | | | | Medium | -5810K |
| | | | | | 5-13mm | | -5910K |
| Silversmith Stone | Al-Ox | Rectangle | 100mm | 13mm | 2mm | Fine | -2500K |
| | | | | | | Medium | -2510K |
| Knife Stone | Al-Ox | Rectangle | 100mm | 25mm | 3mm | Medium | -2710K |
| Reamer Stone | Al-Ox | Rectangle | 125mm | 25mm | 5mm | Medium | -3410K |

KENNEDY

## Abrasive & Bench Stones

| Type | Abrasive Material | Shape | Length | Width | Depth | Grade | Grit | Order Code KEN-255 |
|---|---|---|---|---|---|---|---|---|
| Bench Stones | Al-Ox | Rectangle | 100mm | 25mm | 13mm | Medium/ Coarse | Single | -1050K |
| | | | 150mm | 50mm | 25mm | | | -1010K |
| | | | 200mm | | | | | -1030K |
| | | | 100mm | 25mm | 13mm | Fine | | -1300K |
| | | | | | | Medium | | -1310K |
| | | | | | | Coarse | | -1320K |
| | | | 150mm | 50mm | 25mm | Fine | | -1100K |
| | | | | | | Medium | | -1110K |
| | | | 200mm | | | Fine | | -1200K |
| | | | | | | Medium | | -1210K |
| | | | | | | Coarse | | -1220K |
| | SiC | | 100mm | 25mm | 6mm | Fine | | -4000K |
| | | | | | | Medium | | -4010K |
| | | | | | 13mm | Fine | | -4100K |
| | | | | | | Medium | | -4110K |
| Abrasive Stones | Al-Ox | Square | 100mm | 6mm | | Fine | Single | -1500K |
| | | | | | | Medium | | -1510K |
| | | | | 10mm | | Fine | | -1600K |
| | | | | | | Medium | | -1610K |
| | | | | | | Coarse | | -1620K |
| | | | | 13mm | | Fine | | -1700K |
| | | | | | | Medium | | -1710K |
| | | | | | | Coarse | | -1720K |
| Abrasive Stones | SiC | Square | 100mm | 6mm | | Fine | Single | -4300K |
| | | | | | | Medium | | -4310K |
| | | | | | | Coarse | | -4320K |
| | | | 100mm | 10mm | | Fine | | -4400K |
| | | | | | | Medium | | -4410K |
| | | | | | | Coarse | | -4420K |
| | | | 100mm | 13mm | | Fine | | -4500K |
| | | | | | | Medium | | -4510K |
| | | | | | | Coarse | | -4520K |
| | | | 150mm | 13mm | | Fine | | -4600K |
| | | | | | | Medium | | -4610K |
| | | | | | | Coarse | | -4620K |
| | | | 150mm | 19mm | | Fine | | -4700K |
| | | | | | | Medium | | -4710K |
| | | | | | | Coarse | | -4720K |
| | | | 150mm | 25mm | | Fine | | -4800K |
| | | | | | | Medium | | -4810K |
| | | | | | | Coarse | | -4820K |
| Abrasive Stones | Al-Ox | 3 Square | 100mm | 6mm | | Fine | Single | -1800K |
| | | | | | | Medium | | -1810K |
| | | | | | | Coarse | | -1820K |
| | | | 100mm | 10mm | | Fine | | -1900K |
| | | | | | | Medium | | -1910K |
| | | | | | | Coarse | | -1920K |
| | | | 100mm | 13mm | | Fine | | -2000K |
| | | | | | | Medium | | -2010K |
| | | | | | | Coarse | | -2020K |
| Abrasive Stones | SiC | 3 Square | 100mm | 6mm | | Fine | Single | -4900K |
| | | | | | | Medium | | -4910K |
| | | | | | | Coarse | | -4920K |
| | | | 100mm | 10mm | | Fine | | -5000K |
| | | | | | | Medium | | -5010K |
| | | | | | | Coarse | | -5020K |
| | | | 100mm | 13mm | | Fine | | -5100K |
| | | | | | | Medium | | -5110K |
| | | | | | | Coarse | | -5120K |
| | | | 150mm | | | Medium | | -5210K |
| | | | 150mm | 19mm | | Medium | | -5310K |
| Pocket Stone | Al-Ox | Rectangle | 80mm | 22mm | 10mm | Medium | Single | -1410K |

### Bench Stone Rectangle Al-Ox Mix

### Bench Stone Rectangle Al-Ox

### Bench Stone Rectangle SiC

### Abrasive Stone Square Al-Ox

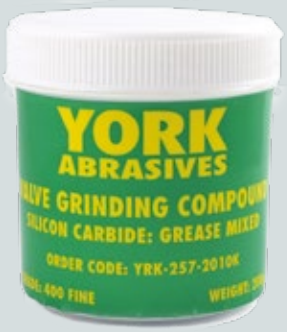
### Abrasive Stone Square SiC

### Abrasive Stone 3 Square Al-Ox

### Abrasive Stone 3 Square SiC

### Pocket Stone Al-Ox

## Grinding Compounds




See our range

Scan the QR code

# AIR HOSES & BALANCERS



## KOBE PU Air & Water Hose Reels

Auto layering mechanism to prevent jamming. Working pressure 8 bar (120 PSI). Suitable for water up to 45°C. 180° pivoting wall bracket included. 1/4 BSPT.
**BS EN ISO 12100: 2010**.

| Hose Size Bore x Length | Order Code KBE-258 |
|---|---|
| 6mm x 12m | -1050K |
| 8mm x 12m | -1060K |
| 10mm x 10m | -1070K |

## KOBE Hybrid Air & Water Hose Reels

NEW

Designed for professional garages/workshops. Controlled slow rewind with auto layering mechanism to prevent jamming. Suitable for water up to 45°C. Working pressure 18 bar (260 PSI). 180° pivoting wall bracket included - can be fixed to walls or ceilings. 1/4 BSPT.
**BS EN ISO 12100 : 2010**.

| Hose Size Bore x Length | Order Code KBE-258 |
|---|---|
| 10mm x 15m | -1160K |
| 10mm x 20m | -1170K |
| 10mm x 30m | -1180K |

## KOBE Retractable Air Hose Balancer

With adjustable tension return, it retracts when the air tool is released, leaving the work place clear of unwanted lengths of air hose. Ideally suited for in-line production. With spring loaded safety clip for overhead fixing.

**Hose length:** 1.5m.
**Hose I.D.:** 5mm.
**Hose O.D.:** 8mm.
**Maximum pressure:** 200psi.
**Hoist range:** 0-1.5kg.

| Maximum Tool Weight | Weight each | Order Code KBE-280 |
|---|---|---|
| 1.5kg | 850g | -1000K |

## KENNEDY Through Flow Air Hose

Open drum 20m air hose reel. Easy wind reel mechanism. 3/8" air hose fitted with two ear hose clips and standard PCL couplings. 15bar working pressure. The axial supply allows the hose to be wound and unwound during operation. Supplied with 1.5m supply connection hose and wall mounting hooks.

20 METRE

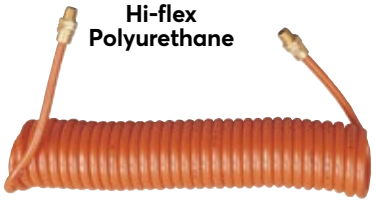
| Weight each | Order Code KEN-258 |
|---|---|
| 4.5kg | -5100K |

## KOBE Retracting Airline Hoses

With brass 360° swivel couplings, ideal for use in awkward access areas.
**Extended length:** 7.5m.
**Pressure rating:** 6.0mm diameter - 250psi
9.5mm diameter - 150psi.

7.5 METRE

Hi-flex Polyurethane



HEAVY DUTY Nylon

| Thread (BSPT) | Bore Dia. | Weight each | Order Code KBE-280 |
|---|---|---|---|
| **Heavy Duty Nylon Air Hose** | | | |
| 1/4" | 6.0mm | 850g | -1140K |
| 3/8" | 9.5mm | 850g | -1300K |

## KOBE Whip Hose Adaptor

Supplies air between supply point and air tool. Prevents vibration damage to couplings and the tool user. Quick release coupling.

0.65 METRE

**Overall length:** 650mm.

| Thread (BSPT) | Bore Dia. | Weight each | Order Code KBE-280 |
|---|---|---|---|
| 1/4 | 6.0mm | 145g | -1360K |

## KENNEDY Industrial PVC Airline Hose

Reinforced with a polyester fibre braid. Used in pneumatic airline systems, crop spraying, transportation of gases and liquids, decanting of acids, salts and many other chemicals. Fully approved for food contact applications. Operating temperature range of -20°C to +60°C.

30 METRE

**Maximum pressure ratings:**
6.35mm - 250psi
9.50mm - 150psi
12.7mm - 130psi
19.0mm - 100psi

**Supplied in 30m (100ft) reels.**

| Bore Size (mm) | Weight each | Order Code KEN-258 |
|---|---|---|
| 6.35 (1/4") | 3.6kg | -1010K |
| 9.50 (3/8") | 4.5kg | -1030K |
| 12.70 (1/2") | 5.9kg | -1050K |
| 19.00 (3/4") | 9.0kg | -1070K |

## KENNEDY® Mini Metal Blow Gun

Manufactured from bright nickel chrome plated die cast alloy for a long trouble free life. Complete with safety nozzle as standard. 1/4" NPT air inlet. Normal working pressure with safety nozzle intact is 90psi. If safety nozzle is removed a safe working pressure of 30psi is recommended.

| Overall Length | Weight each | Order Code KEN-259 |
|---|---|---|
| 100mm | 140g | -5050K |

## PCL Mini Metal Blow Gun

Made from die cast alloy for long trouble-free life. Inlet thread 1/4" BSPT. Health and safety regulations dictate that an in-line regulator should be used to restrict pressure to 28psi. With safety nozzle.

| Product Reference | Weight each | Order Code PCL-259 |
|---|---|---|
| BG106 | 200g | -2106A |

## KENNEDY® Flexible Extension

Can be bent into any position to allow you to direct the air flow to exactly the area you require it in. Suitable for use with metal and plastic blow guns.

| Overall Length | Weight each | Order Code KEN-259 |
|---|---|---|
| 250mm | 10g | -5100K |

## PCL Rigid Extension Nozzle

For use with both metal or plastic guns.

| Overall Length | Weight each | Order Code PCL-259 |
|---|---|---|
| 230mm | 30g | -2466K |

## PCL Air Vacuum Gun AirVac

- Includes vacuum and blow functions
- Comes complete with numerous attachments to keep your workspace clean and free of debris

| Order Code PCL-259 |
|---|
| -2052F |

## KOBE Blow Gun

Ideal for awkward and general air dusting jobs with 110mm long angled nozzle allowing projection of airflow directly to required area. Supplied with interchangeable coupling. Trigger style operation.
**Minimum working pressure:** 3bar/43psi.
**Safe working pressure:** 10bar/150psi.

| Temperature Range | Order Code KBE-259 |
|---|---|
| -10 to 50°C | -2500K |

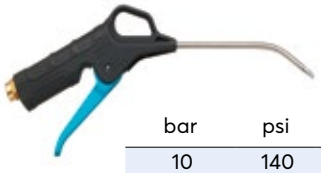
## PCL Low Noise Ergo Blowguns

- Reinforced webbing for extra strength
- Easy storage with multiple hanging points
- Air release valve built into the body enables the trigger/airflow to be feathered

| Product number | Order Code PCL-259 |
|---|---|
| BG7006 | -7006A |

## PCL Ergo Safety Blowguns

- Reinforced webbing for extra strength
- Easy storage with multiple hanging points
- Air release valve built into the body enables the trigger/airflow to be feathered
- Extended models have a nozzle which can be adjusted to suit individual applications



| bar | psi | Order Code PCL-259 |
|---|---|---|
| 10 | 140 | -8001A |

## PCL Blowgun with Conical and Safety Nozzles

- Suited for dispensing both air and water
- Robust and compact design ensures product durability and portability
- Supplied with both a conical and safety
- Manufactured from die cast alloy for resilience
- Powerful delivery of both air and water

| Product number | Order Code PCL-259 |
|---|---|
| BG605 | -2330D |

## PCL Pistol Grip Blow Gun BGN461

Replacement safety nozzle to suit the PCL BG405 pistol grip blow gun.

| Model Number | Order Code PCL-259 |
|---|---|
| BGN461 | -2461H |

## KOBE Pistol Grip Blow Gun

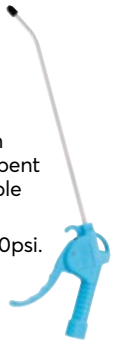
Ideal for general air dusting jobs. Supplied with safety nozzle and interchangeable coupling. Ergonomically designed and impact resistant body with integral air control valve and trigger style operation.

**Minimum working pressure:** 3bar/43psi.
**Safe working pressure:** 10bar/150psi.

| Temperature Range | Order Code KBE-259 |
|---|---|
| -17 to 37°C | -2550K |

## PCL Plastic Blow Gun

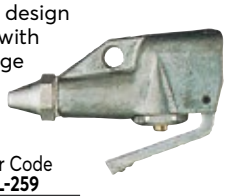
Special acetalic resin moulded body to resist damage, staining and contamination with a 100% brass inner valve. Adjusts the airflow gradually for delicate working. The 230mm extension nozzle version can be cut and bent to suit user applications. Suitable for use with air or water.
**Safe Working Pressure:** 2bar/30psi.



| Product Number | Nozzle Length | Order Code PCL-259 |
|---|---|---|
| BG5002 | 110mm | -2402G |
| BG5007 | 230mm | -2407M |

## PCL BG105 Blow Gun with Conical Nozzle

The Palm Grip Blowguns are manufactured from high quality die-cast alloy, giving the tool a long trouble-free life.
PCL's Palm Grip Blowguns have a robust and compact design.
-Robust and compact design
-Extensive, easy to fit with additional nozzle range
-Display packed for convenience



| Product number | Order Code PCL-259 |
|---|---|
| BG105 | -2105K |

## PCL Plastic Blow Gun

Anti-slip body made from a special acetalic resin to resist damage, staining and contamination with a 100% brass inner valve. The blow gun adjusts the airflow gradually for delicate working. With 110mm long safety nozzle for access into awkward areas. Suitable for use with both air and water.
**Safe Working Pressure:** 2bar/30psi.

| Nozzle Length | Weight each | Order Code PCL-259 |
|---|---|---|
| 110mm | 105g | -2404H |

# SPRAY GUNS



## KOBE STAR Spare Pots

Only suitable with Kobe Star spray guns.

| Feed Type | Weight each | Order Code STA-259 |
|---|---|---|
| Gravity (600cc) | 100g | -1500A |
| Suction (1000cc) | 50g | -1510B |
| Set of No. 4 Baffles & No. 7 Cup Gaskets | 10g | -2500A |

### Spare Air Caps

| Feed Type | Size (mm) | Weight each | Order Code STA-259 |
|---|---|---|---|
| Gravity | 1.5 | 50g | -2020H |
| Suction | 1.4 & 1.8 | 100g | -2000F |
| Suction | 1.4 | 50g | -2010G |
| Suction | 2.0 | 50g | -2030J |

## KOBE STAR Suction Feed Spray Guns

**Standard/Professional**
Well balanced with large, responsive triggers, and adjustable width of spray. For horizontal or vertical use with cellulose enamel or acrylic paints etc. Both with ¼" NPT male fittings. 30 - 70psi, 7 - 12cfm.
Standard model is suitable for applying base coats.
Professional is suitable for applying finishing coats.

**Weight:** 1.3kg.

| Nozzle (mm) | Max Spray Pattern | Order Code STA-259 |
|---|---|---|
| | **Standard** | |
| 1.4 | 240mm | -1000A |
| 1.8 | 280mm | -1010B |
| | **Professional** | |
| 1.5 | 255mm | -1200D |
| 2.0 | 265mm | -1210E |

## KOBE STAR Spray Gun Accessories

### Spare Needles

| Feed Type | Size (mm) | Weight each | Order Code STA-259 |
|---|---|---|---|
| Gravity | 1.4 | 10g | -2120M |
| Suction | 1.4 | 15g | -2100K |
| Suction | 1.8 | 16g | -2110L |
| Suction | 1.5 | 15g | -2130N |
| Suction | 2.0 | 15g | -2140P |

## KOBE STAR Gravity Feed Spray Gun

**Professional**
Well balanced with large, responsive trigger and adjustable width of spray.
For horizontal or vertical use with cellulose enamel or acrylic paints etc.
With ¼" NPT male fittings.
40 - 60psi, 6 - 12cfm.
Screw top.

**Weight:** 1.10kg.

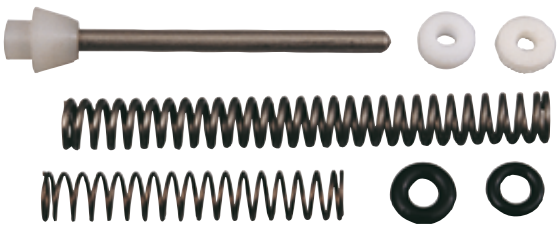
| Nozzle (mm) | Max. Spray Pattern | Order Code STA-259 |
|---|---|---|
| 1.4 | 195mm | -1100C |
| Spare Filter for STA 259-1100C | | -2060S |

### Spare Nozzles

| Feed Type | Size (mm) | Weight each | Order Code STA-259 |
|---|---|---|---|
| Gravity | 1.4 | 35g | -2220S |
| Suction | 1.4 | 30g | -2200Q |
| Suction | 1.5 | 25g | -2230N |
| Suction | 2.0 | 25g | -2240P |

### Repair Kit

Includes replacement air valve, valve spring, needle spring and O-rings.



| Feed Type | Size (mm) | Weight each | Order Code STA-259 |
|---|---|---|---|
| Gravity | 1.5 | 14g | -2310V |
| Suction | 1.4 & 1.8 | 11g | -2300T |
| Suction | 1.5 & 2.0 | 15g | -2320W |

## Tyre Inflation Equipment

**Airforce Tyre Inflator**
Clear dial display, modern, lightweight and shock resistant construction. Direct valve design increasing inflation and deflation rates. Built-in swivel and hanging device. Conforms to BSEN 12645:1999.
**Calibration type:**
0 - 170ibf/in$^2$ and 0 - 12bar.
**Air inlet:** 1/4" BSP.

**Guaranteed accuracy - individual testing**

| Product Reference | Connector Typ | Hose Długość | Order Code PCL-259 |
|---|---|---|---|
| AFG1HO3 | Twin Hold-on | 21" | **-2004A** |

## Mini Speed Regulator

Designed to reduce the free speed of air tools with a 1/4" male thread. Ideal product for enabling the user to turn a powerful sander into a precision buffing tool.
-Standard 1/4" male threaded end
-HEAVY DUTY steel material
-Speed wheel allows simple increase or decrease of free speed
-All steel design
-HEAVY DUTY
-Simple operation

| Thread size | Order Code PCL-259 |
|---|---|
| 1/4in. | **-2028H** |

## Airforce AFG Tyre inflators

- Large window gives a greater field of viewing
- Biomorphic Shape - Ergonomic, easier to use and less prone to damage when dropped
- Lightweight - Gauge body weighs 923g, less work strain and easier for repetitive use

| Model Number | Order Code PCL-259 |
|---|---|
| AFG4H04 | **-2010H** |
| AFG4H05 | **-2010M** |
| AFG4H06 | **-2010R** |

## Airforce MK4 Tyre Inflator

**AFG4H03**
A robust and highly accurate inflator. Cycle tests now give over 400,000 inflation cycles at 100% accuracy.

| Maximum Pressure | Hose Length | Order Code PCL-259 |
|---|---|---|
| 9.6 bar | 0.53m | **-2010D** |

## Tyre Valve Inflator Connector

Twin hold on connector for standard bore tyre valves. Access both inner and outer valves of twin wheel assemblies on commercial vehicles. Open connection for use with tyre inflation gauges. Black rubber handle. 1/4" female air inlet thread.
**Overall length:** 250mm.

| Product Reference | Weight each | Order Code PCL-259 |
|---|---|---|
| C01A03 | 100g | **-3001A** |

## Wheel & Tyre Tools

See our range

Scan the QR Code

## PCL Tailpieces & Connectors

Case hardened with zinc finish.

### Male Threaded Tailpieces

For connecting a hose to a female threaded fitting.

| Product Number | Thread Size | Bore Size | Order Code PCL-259 |
|---|---|---|---|
| HC5656 | G1/4" | 1/4" | -3368N |
| HC1206 | G1/4" | 5/16" | -3355T |
| HC1217 | G1/4" | 3/8" | -3360M |
| HC2479 | G1/4" | 1/2" | -3362A |
| HC6904 | G3/8" | 1/4" | -3371T |
| HC2951 | G3/8" | 3/8" | -3365D |
| HC2808 | G3/8" | 1/2" | -3364C |
| HC2954 | G1/2" | 1/2" | -3365H |

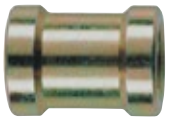
### Reducing Unions

For connecting female threaded fittings of different sizes.

| Product Number | Bore Diameter | Order Code PCL-259 |
|---|---|---|
| HC6899 | 3/8 x 1/4 | -3370K |
| HC6900 | 1/2 x 1/4 | -3370M |
| HC6901 | 1/2 x 3/8 | -3370S |

### Parallel Socket

Female to Female.



| Product Number | Thread Size | Order Code PCL-259 |
|---|---|---|
| HC6889 | Rp1/4 | -3369R |

## PCL Hose Connectors & Accessories

- Allows you to replace various parts of your PCL tyre inflator
- Ensures longevity of your equipment with PCL's 80 years experience

| Hosetail | Order Code PCL-259 |
|---|---|
| 7.9mm (5/16") | -3367Y |

### Hose Connector

For joining two lengths of hose or repairing a hose.

| Product Number | Bore Diameter | Order Code PCL-259 |
|---|---|---|
| HC2983 | 1/4 x 1/4 | -3365P |
| HC2985 | 3/8 x 3/8 | -3365T |
| HC2986 | 1/2 x 1/2 | -3365W |

### Double Unions Nuts

For connecting female threaded fittings of the same size.

| Product Number | Thread Size | Order Code PCL-259 |
|---|---|---|
| HC6560 | 1/4 x 1/4 | -3368X |
| HC4281 | 3/8 x 3/8 | -3366R |
| HC6898 | 1/2 x 1/2 | -3370G |

### Reducing Bush - Male to Female

For connecting female threaded fittings to male threaded fittings of a smaller size.

| Product Number | Thread Size | Order Code PCL-259 |
|---|---|---|
| HC6895 | R3/8 x R1/4 | -3370A |
| HC6896 | R1/2 x R1/4 | -3370C |
| HC6897 | R1/2x R3/8 | -3370E |

### Conical Silencer

**Sintered (with Hex)**
**Type 1**

| Model Number | Size Male | Order Code KEN-259 |
|---|---|---|
| S1-1 | G1/8 | -6800K |
| S1-2 | G1/4 | -6810K |
| S1-3 | G3/8 | -6820K |
| S1-4 | G1/2 | -6830K |

### Coned Tailpieces

For use in conjunction with union nuts to connect hose to male threaded fittings.

| Product Number | Bore Diameter | Order Code PCL-259 |
|---|---|---|
| HC5275 | 1/4 | -3367W |
| HC1225 | 3/8 | -3360W |

### Union Nuts

For use in conjunction with coned tailpieces to connect hose to male threaded fittings.

| Product Number | Bore Diameter | Order Code PCL-259 |
|---|---|---|
| HC5194 | 1/4 | -3367H |
| HC1226 | 3/8 | -3360Y |

### Y-Piece Connector - Female

For providing two airlines from a single supply.

| Product Number | Thread Size | Order Code PCL-259 |
|---|---|---|
| SPR0.01 | 1/4 | -4420D |

### NPT Thread Converter

Specially designed to allow PCL couplings and adaptors to be fitted to 1/4 NPT threads

| Product Number | Order Code PCL-259 |
|---|---|
| HC9560 | -3451K |

### Flow Regulators

**Pressure range:**
+1 to +10 bar.
**Temperature range:**
0 to +80°C.

| Model Number | Size (mm) | Order Code KEN-259 |
|---|---|---|
| | **Bi-Directional** | |
| FR1-1 | G1/8 | -6400K |
| FR1-2 | G1/4 | -6410K |

## PCL Emergency Coupling Kit

Incudes couplings, adaptors, hose tails, hose connectors, hose clips and PTFE tape to convert or repair an airline connection.
Ideal to keep in workshop or van.

| Product Number | Order Code PCL-259 |
|---|---|
| ACKIT01 | -5020K |

## KOBE Mini Oiler

Feeds oil directly into the airline ensuring your air tool is well lubricated at all times preventing corrosion. The clear body reservoir allows immediate inspection of the oil level. All brass construction.

| Thread (BSP) | Weight each (g) | Order Code KBE-280 |
|---|---|---|
| ¼ | 130 | -1400K |

## KOBE Water Separator

Continuously removes moisture from the air supply helping to prevent corrosion to the internal components of the air tool.
The spring valve allows immediate draining of reservoir without any down time.

| Thread (BSP) | Weight each | Order Code KBE-280 |
|---|---|---|
| ¼ | 110g | -1900K |

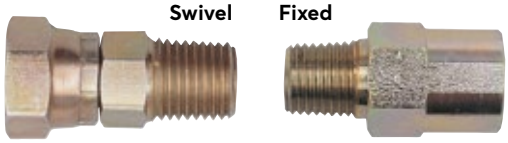
## KOBE Genuine 'Schrader' Coupling Adaptors

Corrosion-resistant surface treatment. For use with Kobe air clutches.

| Thread Size | Order Code KBE-259 |
|---|---|
| 1/4in. | -7002A |

## KENNEDY ¼" NPT/BSP Convertors

Specially designed to allow British Standard airline couplings and adaptors to be fitted to ¼" NPT threaded air tools. Also suitable for use in hydraulic lines and coolant flow systems. Passivated zinc finish for double protection against corrosion.




| Type | BSP x NPT | Order Code KEN-259 |
|---|---|---|
| Fixed | ¼ x ¼ | -4900K |
| Swivel | ¼ x ¼ | -4950K |

## KENNEDY Air Regulator Units

Rolling membrane regulator with secondary bleed and adjustable knob. Press to lock.

**Pressure range:** 0 - 8bar standard, 2bar, 4bar and 12bar options.
**Temperature range:** -10°C to 60°C.
**Gauge ports:** G⅛ (two).
**Body:** technopolymer.

| Port Size | Flow Rate | Order Code KEN-259 |
|---|---|---|
| G¼ | 600ltr/min | -6100K |
| G⅜ | 2050ltr/min | -6110K |
| G½ | 3200ltr/min | -6120K |

## KENNEDY Air Filter Regulator Lubricator

Manual/semi-auto drain as standard.
Rolling membrane regulator with secondary bleed and adjustable knob. 20µm element as standard. Constant oil flow. Fully assembled units comprise a combined filter - regulator - lubricator in modular configuration.

**Body:** technopolymer.
**Bowl:** polycarbonate with protector.
**Filtration size:** 20µm.

**Manometer - supplied separately. See right.**

| Port Size | Flow Rate | Order Code KEN-259 |
|---|---|---|
| G¼ | 260ltr/min | -5830K |
| G⅜ | 1100ltr/min | -5840K |
| G½ | 2500ltr/min | -5850K |

## KENNEDY Air Filter Regulator Combi

Manual/semi-auto drain as standard. Rolling membrane regulator with secondary bleed and adjustable knob. 20µm element as standard. Simply unscrew bowl for servicing. Use individually or as part of a combination unit.

**Pressure range:** 0 - 8bar.
**Max inlet:** 15bar.
**Body:** Technopolymer.
**Bowl:** Polycarbonate with protector.
**Filtration size:** 20µm.

| Port Size | Flow Rate | Order Code KEN-259 |
|---|---|---|
| G¼ | 800ltr/min | -5800K |
| G⅜ | 1650ltr/min | -5810K |
| G½ | 3000ltr/min | -5820K |

## KENNEDY Air Lubricator Units

Adjustable, constant oil flow. Integral mounting provision. Use individually or as part of a combination unit.

**Temperature range:** -10°C to 60°C.
**Max input pressure:** 10bar.
**Body:** Technopolymer.
**Bowl:** Polycarbonate with protector.
**Recommended oil:** ISO VG32 (Servo System 32).
**Filtration size:** 20µm.**Filtrace:** 20µm.

| Port Size | Bowl Capacity | Order Code KEN-259 |
|---|---|---|
| G¼ | 28.0cc | -5900K |
| G⅜ | 46.0cc | -5910K |
| G½ | 89.0cc | -5920K |

## KENNEDY Air Filter Units

Manual/Semi-Auto drain as standard, 20µm element, simply unscrew bowl for servicing. Integral mounting provision. Use individually or as part of a combination unit.

**Pressure range:** 0 - 8bar max Inlet: 15bar.
**Temperature range:** -10°C to 60°C.
**Filtration standard:** 25mu.
**Body:** Technopolymer
**Bowl:** Polycarbonate with protector.
**Filtration size:** 20µm.

| Port Size | Flow Rate | Order Code KEN-259 |
|---|---|---|
| G¼ | 800ltr/min | -5500K |
| G⅜ | 1900ltr/min | -5510K |
| G½ | 3750ltr/min | -5520K |

# MAGNETIC DRILLING MACHINES



unibor

## M2HSS
## Annular Cutters

The Unibor HSS annular cutters feature unique Unibor tooth geometry for optimum tool life and cutting speed. They are able to cut ferrous metals up to 50mm deep, and are available in a range of diameters. Made from hard wearing HSS M2 material increasing the lifespan and providing the ability to cut into various materials. Ideal for use with standard 3/4" Weldon shank magnetic drill arbors.

Features and Benefits
- Made from hard wearing HSS M2 material to increase lifespan and provide the ability to cut into various materials
- Standard 3/4" Weldon shank allows the cutters to be used with a variety of drills
- Featuring unique Unibor geometry for optimum tool life and cutting speed

**Depth of cut:** 50mm
**Cutter material:** HSS M2

**50mm Depth**

| MPN | Cutting Dia. mm | Order Code **UBR-268** |
|---|---|---|
| 13L | 13 | **-1013L** |
| 14L | 14 | **-1014L** |
| 15L | 15 | **-1015L** |
| 16L | 16 | **-1016L** |
| 17L | 17 | **-1017L** |
| 18L | 18 | **-1018L** |
| 19L | 19 | **-1019L** |
| 20L | 20 | **-1020L** |
| 21L | 21 | **-1021L** |
| 22L | 22 | **-1022L** |
| 23L | 23 | **-1023L** |
| 24L | 24 | **-1024L** |
| 25L | 25 | **-1025L** |
| 26L | 26 | **-1026L** |
| 27L | 27 | **-1027L** |
| 28L | 28 | **-1028L** |
| 29L | 29 | **-1029L** |
| 30L | 30 | **-1030L** |
| 31L | 31 | **-1031L** |
| 32L | 32 | **-1032L** |

**50mm Depth**

| MPN | Cutting Dia. mm | Order Code **UBR-268** |
|---|---|---|
| 33L | 33 | **-1033L** |
| 34L | 34 | **-1034L** |
| 35L | 35 | **-1035L** |
| 36L | 36 | **-1036L** |
| 37L | 37 | **-1037L** |
| 38L | 38 | **-1038L** |
| 39L | 39 | **-1039L** |
| 40L | 40 | **-1040L** |
| 41L | 41 | **-1041L** |
| 42L | 42 | **-1042L** |
| 43L | 43 | **-1043L** |
| 44L | 44 | **-1044L** |
| 45L | 45 | **-1045L** |
| 46L | 46 | **-1046L** |
| 48L | 48 | **-1048L** |
| 49L | 49 | **-1049L** |
| 50L | 50 | **-1050L** |
| 51L | 51 | **-1051L** |
| 52L | 52 | **-1052L** |

**25mm Depth**

| MPN | Cutting Dia. mm | Order Code **UBR-268** |
|---|---|---|
| 10S | 10 | **-1010S** |
| 11S | 11 | **-1011S** |
| 12S | 12 | **-1012S** |
| 13S | 13 | **-1013S** |
| 14S | 14 | **-1014S** |
| 15S | 15 | **-1015S** |
| 16S | 16 | **-1016S** |
| 17S | 17 | **-1017S** |
| 18S | 18 | **-1018S** |
| 19S | 19 | **-1019S** |
| 20S | 20 | **-1020S** |
| 21S | 21 | **-1021S** |
| 22S | 22 | **-1022S** |
| 23S | 23 | **-1023S** |
| 24S | 24 | **-1024S** |
| 25S | 25 | **-1025S** |
| 26S | 26 | **-1026S** |
| 27S | 27 | **-1027S** |
| 28S | 28 | **-1028S** |
| 29S | 29 | **-1029S** |
| 30S | 30 | **-1030S** |

**25mm Depth**

| MPN | Cutting Dia. mm | Order Code **UBR-268** |
|---|---|---|
| 31S | 31 | **-1031S** |
| 32S | 32 | **-1032S** |
| 33S | 33 | **-1033S** |
| 34S | 34 | **-1034S** |
| 35S | 35 | **-1035S** |
| 36S | 36 | **-1036S** |
| 37S | 37 | **-1037S** |
| 38S | 38 | **-1038S** |
| 39S | 39 | **-1039S** |
| 40S | 40 | **-1040S** |
| 41S | 41 | **-1041S** |
| 42S | 42 | **-1042S** |
| 43S | 43 | **-1043S** |
| 44S | 44 | **-1044S** |
| 45S | 45 | **-1045S** |
| 46S | 46 | **-1046S** |
| 48S | 48 | **-1048S** |
| 49S | 49 | **-1049S** |
| 50S | 50 | **-1050S** |
| 51S | 51 | **-1051S** |
| 52S | 52 | **-1052S** |

Find us online

Navigating our website is made simple and easy to use. Optimised search and comparison for quick product selection.

Check product availability with ease. Once you've found your desired item, just click on it to see if it's in stock. Our real-time updates will let you know instantly if it's available for purchase.

Stay informed on pricing. List price shown making it easy for you to make purchasing decision.

Access detailed product information. For those who crave more knowledge, we provide comprehensive descriptions and downloadable technical documents to give you all the information you need to make an informed decision.

# KOBE™ PROFESSIONAL AIR TOOLS

## Red Line
### Maintenance
Offers high quality and superb value, combined with the design elements of a modern industrial classic. This includes Industrial quality and classically styled products at an affordable price.

High Quality

## Green Line
### Ergonomic
Operator friendly features for improved comfort throughout longer periods of use. These products are packed with features made with professional quality in mind.

Ergonomically Designed

## Blue Line
### Industrial
Designed with a higher specification offering user comfort and maximum durability. Including operator friendly features for extra HEAVY DUTY use and longer running time.

Highest Specification

### KOBE 10mm Straight Air Drill
10mm

**BCSD10**
Exhaust outlet adjusts 360° to direct air flow away from the operator. Keyless chuck and safety lever throttle.

**Motor power:** 0.45hp.
**Chuck size:** 10mm.
**Air inlet thread:** 1/4" BSP.
**Operating pressure:** 90psi/6.2bar.
**Minimum air hose size (ID):** 3/8" (10mm).
**Sound pressure level:** 92dBA.
**Sound power level:** 110dBA.
**Vibration level:** 0.49m/s²
**Overall length:** 215mm.

CONTINUOUS USE
Designed & Rated For Continuous Use

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 2,500 | 1.80kg | -6050K |

### KOBE 10mm Straight Drill
10mm

**DS4510L**
Stall-resistant, safety lever throttle, high performance, planetary gearing, 3/8" - 24 spindle thread.

**Air inlet thread:** 1/4" NPT.
**Chuck capacity:** 10mm.
**Minimum air hose size (ID):** 3/8" (10mm).
**Air pressure:** 90psi/6.3bar.
**Air consumption:** 4cfm* (144ltr/min).
**Sound pressure level:** 88dBA.
**Sound power level:** 95dBA.
**Vibration level:** 2.5m/s².
**Overall length:** 206mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 4,500 | 0.90kg | -1450N |

### KOBE 10mm Reversible Angle Drill
10mm

**DAR1510**
Fingertip control of reverse, reverse exhaust, 3/8"- 24 spindle thread.

**Air inlet thread:** 1/4" NPT.
**Chuck capacity:** 10mm.
**Minimum hose size:** 3/8"(10mm).
**Air pressure:** 90psi/6.3bar.
**Air consumption:** 4cfm*
**Sound pressure level:** 94dBA.
**Sound power level:** 106dBA.
**Vibration level:** 2.6m/s².
**Overall length:** 178mm.
**Overall head height:** 94mm.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 1,500 | 1.80kg | -1425M |

### KOBE Pistol Drill
10mm

**DP2210**
Stall resistant, HEAVY DUTY bearings, 1/2hp motor, 3/8"- 24 spindle thread.

**Air inlet thread:** 1/4" NPT.
**Minimum air hose size (ID):** 3/8" (10mm).
**Chuck capacity:** 10mm.
**Air pressure:** 90psi/6.3bar.
**Air consumption:** 4cfm* (144ltr/min).
**Sound pressure level:** 87dBA.
**Sound power level:** 103dBA.
**Vibration level:** 1.5m/s².
**Overall length:** 180mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 2,200 | 1.10kg | -1375C |

### KOBE HEAVY DUTY Pistol Drill
10mm
HEAVY DUTY

**DP2610**
Stall resistant, directional front exhaust, hammer finish casing, needle bearing gears, 3/8" - 24 spindle thread.

**Air inlet thread:** 1/4" NPT.
**Minimum air hose size (ID):** 3/8" (10mm).
**Chuck capacity:** 10mm.
**Air pressure:** 90psi/6.3bar.
**Air consumption:** 4cfm* (144ltr/min).
**Sound pressure level:** 87dBA.
**Sound power level:** 103dBA.
**Vibration level:** 2.5m/s².
**Overall length:** 180mm.

*15 sec/perc átlagos használatot feltételezve.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 2,600 | 0.90kg | -1390D |

### KOBE Reversible Pistol Drill
10mm

**DPR1810**
Stall resistant, HEAVY DUTY bearings, thumb switch for reverse, suitable for screwdriving.

**Air inlet thread:** 1/4" NPT.
**Minimum air hose size (ID):** 3/8" (10mm).
**Spindle:** 3/8"- 24.
**Chuck capacity:** 10mm.
**Spindle thread:** 3/8" - 24.
**Air pressure:** 90psi/6.3bar.
**Air consumption:** 4cfm* (144ltr/min).
**Sound pressure level:** 85dBA.
**Sound power level:** 101dBA.
**Vibration level:** 5.4m/s².
**Overall length:** 165mm.
*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 1,800 | 1.40kg | -1400L |

## KOBE 10mm Reversible Pistol Drill

10mm

Suitable for drilling and screwdriving. Rubber handle.
3/8" keyless chuck. Stall resistant. Short gear case design.
HEAVY DUTY gearing system with oil-less bushing.
Spring loaded rotor vanes. Rear exhaust.

**Chuck capacity:** 10mm.
**Spindle thread:** 3/8" - 24.
**Air inlet thread:** 1/4" NPT.
**Minimum air hose size (ID):** 3/8" (10mm).
**Air pressure:** 90psi/6.2bar.
**Air consumption:** 3.35cfm*.
**Sound pressure level:** 95dBA.
**Sound power level:** 100dBA.
**Vibration level:** 0.7m/s².
**Overall length:** 188mm.

*Based on a 15 second cycle per minute average use.

FRIENDLY OPERATOR
Operator Friendly Composite Handle Grip

| Free Speed (rpm) | Order Code KBE-270 |
|---|---|
| 1,800 | -2152K |

## KOBE 10mm Reversible Pistol Grip Drill

Use for drilling and screwdriving. Two speed trigger. Directional lever accessible from both sides for left/right handed use. 10mm (3/8") chuck included. Planetary gears for longer life and smoother running. Ergonomic comfortable grip.

**Recommended air pressure:** 6.2bar (90psi).
**Air consumption:** 4cfm* (113ltr/min).
**Air inlet thread:** 1/4" NPT.
**Spindle thread:** 3/8" - 24.
**Minimum air hose size (ID):** 3/8" (10mm).
**Noise level†:** 85dBA.
**Sound power level†:** 96dBA.
**Vibration level #:** 0.4m/s².
**Overall length:** 185mm.
**†Per EN ISO 15744:2002.**
**#Per EN 28927-5.**

*Based on a 15 second cycle per minute average use.

CONTINUOUS USE
Designed & Rated For Continuous Use

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 1,800 | 1.10kg | -4310K |

## KOBE 13mm Reversible Pistol Grip Drill

13mm

**B2842**
Use for drilling and screwdriving.

**Recommended air pressure:** 6.2bar (90psi).
**Air consumption:** 4cfm* (113ltr/min).
**Air inlet thread:** 1/4" NPT.
**Spindle thread:** 3/8" - 24.
**Minimum air hose size (ID):** 3/8" (10mm).
**Vibration level #:** 0.4m/s².
**Overall length:** 218mm.
**†Per EN ISO 15744:2002.**
**#Per EN 28927-5.**

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 800 | 1.30kg | -4330K |

## KOBE 13mm HEAVY DUTY Pistol Drill

13mm
HEAVY DUTY

**DP513**
High reduction gearbox, high torque, 1/2hp motor.

**Air inlet thread:** 1/4" NPT.
**Minimum hose:** 3/8" (10mm).
**Spindle thread:** 3/8" - 24.
**Air pressure:** 90psi/6.3bar.
**Air consumption:** 4cfm*.
**Sound pressure level:** 85dBA.
**Sound power level:** 101dBA.
**Vibration level:** 5.4m/s².
**Overall length:** 180mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 500 | 1.80kg | -1500E |

## KOBE 13mm Reversible Pistol Drill

13mm
HEAVY DUTY

**FPD500**
Suitable for high torque drilling applications as well as screwdriving, hole sawing and cylinder honing.
HEAVY DUTY gearing system with oil-less bushing. Spring loaded rotor vanes. Rear exhaust.

**Spindle thread:** 3/8" - 24.
**Air inlet thread:** 1/4" NPT.
**Minimum air hose size (ID):** 3/8" (10mm).
**Air pressure:** 90psi/6.2bar.
**Air consumption:** 3.65cfm*.
**Vibration level:** 0.4m/s².
**Overall length:** 240mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Order Code KBE-270 |
|---|---|
| 500 | -2142K |

## KOBE 13mm Reversible HEAVY DUTY Pistol Drill

13mm
HEAVY DUTY

**DPR813**
Thumb switch for reverse, suitable for screwdriving, HEAVY DUTY
planetary gearing.

**Air inlet thread:** 1/4" NPT.
**Minimum hose :** 3/8" (10mm).
**Spindle thread:** 3/8" - 24.
**Air pressure:** 90psi/6.3bar.
**Air consumption:** 4cfm*.
**Sound pressure level:** 89dBA.
**Sound power level:** 101dBA.
**Vibration level:** 2.5m/s².
**Overall length:** 178mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 800 | 1.80kg | -1525F |

## KOBE Angle Grinder 100 mm

**GA1011L**
Adjustable safety guard, safety lever throttle. Supplied with auxiliary side handle, flanges and spanners. 100 x 3 x 16mm cut-off disc.

**Air inlet thread:** ¼" NPT. **Spindle thread:** ⅜" - 24. **Minimum air hose size:** 10mm (⅜"). **Air pressure:** 6.3bar (90psi). **Air consumption:** 6cfm* (216ltr/min). **Motor power:** 0.7hp.
**Sound pressure level:** 89dBA.
**Sound power level:** 96dBA.
**Vibration level:** 4.0m/s².
**Overall length:**
230mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 11,000 | 1.80kg | -2050P |

## KOBE Angle Grinder 115 mm

**GA1211L**
Suitable for grinding, cutting-off and sanding. Safety lever throttle. Supplied with auxiliary side handle, flanges and spanners. 115 x 3 x 22mm cut off disc.

**Air inlet thread:** ¼" NPT. **Spindle thread:** M10 x 1.5mm. **Minimum air hose size:** 10mm (⅜"). **Air pressure:** 6.3bar (90psi). **Air consumption:** 6cfm* (216ltr/min). **Motor power:** 0.7hp.
**Sound pressure level:** 89dBA.
**Sound power level:** 96dBA.
**Vibration level:** 4.0m/s².
**Overall length:**
240mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 11,000 | 1.80kg | -2060Q |

## KOBE HEAVY DUTY Angle Grinder 180 mm

**GA1807L**
Supplied with front exhaust, safety lever throttle, auxiliary side handle and adjustable safety guard. For grinding only.

**Air inlet thread:** ¼" NPT. **Spindle thread:** ⅝" UNC. **Minimum air hose size (ID):** 10mm.
**Air pressure:** 90psi.
**Air consumption:** 6˝cfm*.
**Sound pressure level:** 103dBA.
**Sound power level:** 109dBA.

**Vibration level:** 2.6m/s².
**Overall length:** 340mm.
*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 7,000 | 3.50kg | -5323V |

## KOBE 50mm Mini Angle Grinder 50 mm

**FAG050m**
**Disc size:** 50 x 4 x 9.6mm. **Air inlet thread:** ¼" NPT. **Minimum air hose size (ID):** ⅜" (10mm). **Air pressure:** 90psi/6.3bar. **Air consumption:** 4cfm*. **Sound pressure level:** 83dBA. **Sound power level:** 92dBA. **Vibration level:** 1.7m/s². **Overall length:**
140mm.

Operator Friendly Composite Handle Grip

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 20,000 | 530g | -2090K |

## KOBE Reversible Cut-off Tool 76 mm

**FCT076**
**Disc size:** 76 x 1.8 x 9.6mm. **Minimum air hose size (ID):** ⅜" (10mm). **Air inlet thread:** ¼" NPT. **Air pressure:** 90psi/6.2bar. **Air consumption:** 4cfm*. **Sound pressure level:** 98dBA. **Sound power level:** 103dBA. **Vibration level:** 0.5m/s². **Overall length:** 185mm.

Operator Friendly Composite Handle Grip

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 18,000 | 950g | -1200K |

## KOBE 115 & 125mm Angle Grinder 115 mm 125 mm

Suitable for metal dressing, rust removal, weld preparation and automotive bodywork fabrication. Rubber-cushioned side handle.

**Air inlet thread:** ¼" NPT.
**Spindle thread:** M14 x 2.0mm.
**Minimum air hose size:** 10mm (⅜").
**Air pressure:** 6.2bar (90psi).
**Air consumption:** 4cfm* (113ltr/min).
**Motor power:** 0.7hp.
**Sound pressure:** 89dBA.
**Sound power level:** 92dBA.
**Vibration level:** 1.2m/s².
**Overall length:** 240mm.
**Terh.nélk. fordsz.:**
10,000 rpm.

Operator Friendly Composite Handle Grip

*Based on a 15 second cycle per minute average use.

| Model Number | Disc Size | Weight each | Order Code KBE-270 |
|---|---|---|---|
| FGA120g | 115mm | 1.95kg | -1960K |
| FGA130g | 125mm | 1.96kg | -1980K |

## KOBE 180mm Angle Polisher 180 mm

**PA1825**
For high performance buffing and polishing on bodywork and paintwork.
Built-in regulator for consistent performance. Can be used with compounding heads and polishing sponges.

**Spindle thread:** ⅝" - 11 NPT.
**Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** ⅜" (10mm).
**Air pressure:** 6.3bar/90psi.
**Air consumption:** 4cfm* (144 ltr/min).
**Pad size:** 180mm.
**Sound pressure level:** 96dBA.
**Sound power level:**
103dBA.
**Vibration level:** 8.2m/s².
**O/all length:** 380mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 2,500 | 2.30kg | -5964F |

## KOBE High Speed Mini Die Grinder

**GD2806L**

For precision engineers' mould making etc. Safety lever throttle, front exhaust, ultra compact and lightweight.

**Collet size:** 6mm. **Air inlet thread:** 1/4" NPT.
**Minimum air hose size (ID):** 10mm (3/8"). **Air pressure:** 90psi.
**Air consumption:** 4cfm*. **Sound pressure level:** 94dBA.
**Sound power level:** 103dBA. **Vibration level:** 5.0m/s².
**Overall length:** 121mm.

**Uses Long Collet Nut**

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 25,000 | 300g | -2035M |

## KOBE Extended Spindle Die Grinder

**GES2506L**

For extra reach in 'hard to get at' areas, extended spindle housing allowing two-handed operation, rear exhaust, safety lever throttle.

**Collet size:** 6mm. **Air inlet thread:** 1/4" NPT.
**Minimum air hose size (ID):** 10mm (3/8"). **Air pressure:** 90psi.
**Air consumption:** 4cfm*.

**Uses Long Collet Nut**

**Sound pressure level:** 93dBA.
**Sound power level:** 103dBA.
**Vibration level:** 5.4m/s².
**Overall length:** 248mm.

*Based on a 15 second cycle per minute average use.

**Additional Collets**
To suit Kobe and similar grinders.

| Collet Size | Order Code KBE-280 |
|---|---|
| 3mm | -0073A |
| 1/8" (3.175mm) | -0079A |
| 6mm | -0070A |
| 1/4" (6.35mm) | -0076A |
| Collet Nut (Short) | -0064A |
| Collet Nut (Long) | -0067A |

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 25,000 | 850g | -2040N |

## KOBE Surface Conditioning & Finishing Kit

**SCF2206K**

Multi-purpose kit containing: one of each of the following surface preparation discs - fine, medium and coarse. 2x abrasive disc grades - P36, P60, P80 and P120. 1x 6mm diameter shank to fit the backing pad. Includes: GDA2206L, Angle Die Grinder as shown right. Supplied in a sturdy plastic c arry case.

*Based on a 15 second cycle per minute aver- age use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 22,000 | 1.25kg | -7000K |

## KOBE Straight Die Grinder

**GD2206L**

Ideally suitable for polishing, buffing and grinding. The robust and durable single piece aluminium body houses the 1/2hp motor and precision balanced bearings provide reliability.
The trigger has a safety catch to prevent accidental starts.

**Collet size:** 6mm. **Air inlet thread:** 1/4" NPT.
**Minimum air hose size (ID):** 10mm (3/8"). **Air pressure:** 90psi.
**Air consumption:** 4cfm*. **Sound pressure level:** 93dBA.
**Sound power level:** 103dBA. **Vibration level:** 5.4m/s².
**Overall length:** 170mm.

**Uses Short Collet Nut**

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 23,000 | 500g | -2024K |

## KOBE Die Grinder Kit

**GD22LK**

Includes: GD2206L, as shown above. With 3 and 6mm collets, 10 assorted mounted points and robust blow moulded case.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 23,000 | 600g | -2030L |

## KOBE 90 ° Angle Die Grinder

**GDA2206L**

Safety lever throttle, reverse exhaust, Ideal for polishing, grinding and buffing, suitable for use in confined areas.

**Collet size:** 6mm. **Air inlet thread:** 1/4" NPT.
**Minimum air hose size:** 10mm (3/8"). **Air pressure:** 90psi/6.2bar.
**Air consumption:** 4cfm*. **Sound pressure level:** 85dBA.
**Sound power level:** 99dBA. **Vibration level:** 7.0m/s².
**Overall length:** 160mm.

**Uses Long Collet Nut**

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 22,000 | 500g | -2020H |

## KOBE Straight Die Grinder

**FDG180m**
For polishing, buffing, deburring and grinding. Rubber handle. Speed regulator, safety release throttle, rear exhaust, ball bearing construction for long tool life.

**Contents:** mini die grinder, two collet spanners and instructions.
**Collet size:** ¼" (6mm).
**Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** ⅜" (10mm).
**Air pressure:** 90psi/6.3bar.
**Air consumption:** 4cfm* (144ltr/min).
**Sound pressure level:** 91dBA.
**Sound power level:** 98dBA.
**Vibration level:** 4.53m/s².
**Overall length:** 158mm.

*Based on a 15 second cycle per minute average use.

Speed regulator

Safety release throttle

Uses Long Collet Nut

CE

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 25,000 | 600g | -2262K |

## KOBE Extended Spindle Die Grinder

HEAVY DUTY

**FDG180e**
For polishing, buffing, deburring and grinding. Rubber handle. Extended head for flexibility in tight areas. Speed regulator. Safety release throttle. Rear exhaust. Ball bearing construction for long tool life.

**Collet size:** 6mm. **Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** ⅜" (10mm). **Air pressure:** 90psi/6.2bar.
**Air consumption:** 4cfm*.
**Sound pressure level:** 91dBA.
**Sound power level:** 98dBA.
**Vibration level:** 4.53m/s².
**Overall length:** 235mm.

CE

Uses Long Collet Nut

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 25,000 | 675g | -2272K |

## KOBE 90° Angle Die Grinder

**FDG090**
For polishing, buffing, deburring and grinding. Rubber handle provides grip and operator comfort. Speed regulator. Safety release throttle. Rear exhaust. Ball bearing construction for long tool life.

**Collet size:** 6mm.
**Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** ⅜" (10mm).
**Air pressure:** 90psi/6.2bar. **Air consumption:** 4cfm*.
**Sound pressure level:** 90dBA.
**Sound power level:** 97dBA.
**Vibration level:** 1.24m/s².
**Overall length:** 160mm.

Uses Long Collet Nut

FRIENDLY OPERATOR
Operator Friendly Composite Handle Grip

CE

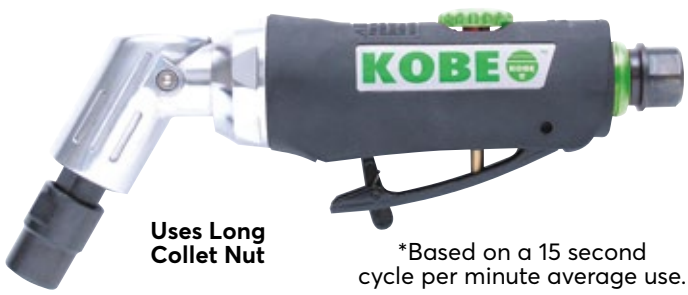
*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 22,000 | 500g | -2222K |

## KOBE 115° Angle Die Grinder

**FDG115**
For polishing, buffing, deburring and grinding. Rubber handle provides grip and operator comfort. 115° angle head for flexibility in tight areas. Speed regulator. Safety release throttle. Rear exhaust. Ball bearing construction for long tool life.

**Collet size:** 6mm.
**Air inlet thread:** ¼" NPT. **Minimum air hose size:** ⅜" (10mm).
**Air pressure:** 90psi/6.2bar. **Air consumption:** 4cfm*.
**Sound pressure level:** 90dBA.
**Sound power level:** 97dBA.
**Vibration level:** 1.05m/s².
**Overall length:** 195mm.



Uses Long Collet Nut

*Based on a 15 second cycle per minute average use.

CE

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 22,000 | 524g | -2242K |

# AIR TOOLS - GRINDERS



## KOBE Straight Continuous Use Die Grinder

HEAVY DUTY

**B3456**

Reversible hardened steel ¼" collet. Short body length allowing access into hard to reach areas. Planetary gears for longer life and smoother running. Low profile teasing throttle for precise speed control. Rotating air inlet to prevent the air hose tangling.

**Drive size:** ¼" (6mm), ⅛" (3mm).
**Air pressure:** 6.2bar (90psi).
**Air consumption:** 4cfm* (113ltr/min).
**Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** 10mm (⅜").
**Sound pressure level:** 91dBA.
**Sound power level:** 98dBA.
**Vibration level:** 4.53m/s².
**Overall length:** 160mm.

**Uses Short Collet Nut**

*Based on a 15 second cycle per minute average use.

CONTINUOUS USE Designed & Rated For Continuous Use

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 25,000 | 0.60kg | -4090K |

### Spanners

For use with locknuts on angle grinders

| Pitch Diameter | Pin | Order Code KEN-280 |
|---|---|---|
| 28mm | 3.4 | -2590K |

## KOBE Angle Die Grinder

HEAVY DUTY

**B3144**

Short body length allowing access into hard to reach areas. Planetary gears for longer life and smoother running. Low profile teasing throttle for precise speed control. Rotating air inlet to prevent the air hose tangling.

**Collet size:** ¼" (6mm), ⅛" (3mm).
**Air pressure:** 6.2bar (90psi). **Air consumption:** 4cfm* (113ltr/min).
**Air inlet thread:** ¼" NPT. **Minimum air hose Size (ID):** 10mm (⅜").
**Sound pressure level:** 90dBA. **Sound power level:** 97dBA.
**Vibration level:** 1.24m/s².
**Overall length:** 165mm.

*Based on a 15 second cycle per minute average use.

CONTINUOUS USE Designed & Rated For Continuous Use

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 20,000 | 0.50kg | -4080K |

## KOBE 115° Angle Die Grinder

HEAVY DUTY

**B3244**

Reversible hardened steel ¼" collet. Short body length allowing access into hard to reach areas. Planetary gears for longer life and smoother running. Low profile teasing throttle for precise speed control. Rotating air inlet to prevent the air hose tangling.

**Collet size:** ¼" (6mm), ⅛" (3mm).
**Recommended air pressure:** 6.2bar (90psi).
**Air consumption:** 4cfm* (113ltr/min). **Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** 10mm (⅜").
**Sound pressure level:** 90dBA. **Sound power level:** 97dBA.
**Vibration level:** 1.24m/s².
**Overall length:** 200mm.

**Uses Long Collet Nut**

*Based on a 15 second cycle per minute average use.

CONTINUOUS USE Designed & Rated For Continuous Use

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 20,000 | 0.55kg | -4110K |

## KOBE Extended Straight Die Grinder

HEAVY DUTY

**B3555**

Use for grinding, polishing, buffing and deburring. The extra length allows you to reach more confined areas. Reversible hardened steel ¼" collet. Planetary gears for longer life and smoother running. Low profile teasing throttle for precise speed control. Rotating air inlet to prevent the air hose tangling.

**Collet size:** ¼" (6mm), ⅛" (3mm).
**Free speed:** 25,000rpm.
**Recommended air pressure:** 90psi/6.2bar.
**Air consumption:** 4cfm* (113ltr/min).
**Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** 10mm (⅜").
**Sound pressure level:** 91dBA.
**Sound power level:** 98dBA.
**Vibration level:** 4.53m/s².
**Overall length:** 260mm.

CONTINUOUS USE Designed & Rated For Continuous Use

*Based on a 15 second cycle per minute average use.

**Uses Long Collet Nut**

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 25,000 | 0.68kg | -4140K |

## KOBE Micro Die Grinder

**GM5603**

For precision grinding etc. With hose and silencer, ¼" NPT air inlet thread for 5mm air hose, 90psi air pressure, 7cfm* air consumption.

**Collet size:** 3mm.
**Free speed:** 56,000rpm.
**Sound pressure level:** 76dBA.
**Sound power level:** N/A dBA.
**Vibration level:** 4.80m/s².
**Overall length:** 156mm.

*Based on a 15 second cycle per minute average use.

### Collets

For Kobe and similar micro grinders.

| Collet Size | Order Code KBE-280 |
|---|---|
| ⅛" | -0088A |
| 3mm | -0091A |
| 3/32" | -0094A |
| Collet nut | -0097A |

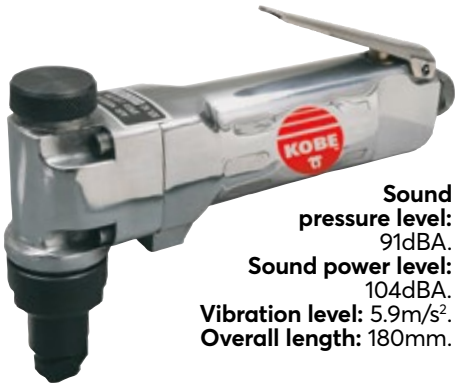
| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 56,000 | 210g | -2543K |

# AIR TOOLS - NIBBLERS, SAWS & SHEARS



## KOBE Air Nibbler

**NB160**
Produces burr free cuts without distortion. Ideal for body shop and sheet metal work, teasing throttle for precise control, ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption and a cutting capacity of 1.6mm (steel) to 2.0mm (aluminium).



**Sound pressure level:** 91dBA.
**Sound power level:** 104dBA.
**Vibration level:** 5.9m/s².
**Overall length:** 180mm.

*Based on a 15 second cycle per minute average use.

| Cutting Rate Per Min. | Weight each | Order Code **KBE-270** |
|---|---|---|
| 2.6m | 900g | **-3400K** |

## KOBE Punches & Dies for Nibblers

- Burr-free cuts
- Ideal for body shop and sheet metal work
- For use with Kobe NB160 (KBE-270-3400K)

**Downstroke**

| Type | To Suit Model | Weight each | Order Code **KBE-280** |
|---|---|---|---|
| Punch | NB160 | 5g | **-0025A** |
| Die | NB160 | 75g | **-0028A** |

## KOBE Shear Head

Produces burr free cuts without distortion. Ideal for body shop and sheet metal work.

| To Suit Model | Weight each | Order Code **KBE-280** |
|---|---|---|
| SH120 | 360g | **-0022A** |

## KOBE Rapid Cutting Metal Shear

**SH120**
Produces burr-free cuts without distortion. Ideal for body shop and sheet metal work. Teasing throttle for precise control, ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption, cutting capacity of 1.2mm steel to 1.6mm aluminium.

**Sound pressure level:** 82dBA.
**Sound power level:** N/A dBA.
**Vibration level:** 4.2m/s².
**Overall length:** 200mm.

*Based on a 15 second cycle per minute average use.

| Strokes Per Min. | Weight each | Order Code **KBE-270** |
|---|---|---|
| 2,200 | 2.30kg | **-3900K** |

## KOBE Multi-Purpose Body Saw

**BS920L**
Produces burr free cuts without distortion. Ideal for body shop and sheet metal work. Teasing throttle for precise control, ¼" NPT air inlet thread, 90psi air pressure, 4cfm* air consumption and a cutting capacity of 1.6mm (steel) to 2mm (aluminium).

**Sound pressure level:** 91dBA. **Sound power level:** 102dBA.
**Vibration level:** 5.1m/s². **Overall length:** 235mm.

*Based on a 15 second cycle per minute average use.

**Accepts most square-ended blades up to 1mm thick x 12mm wide**

| Free Speed (rpm) | Weight each | Order Code **KBE-270** |
|---|---|---|
| 9,000 | 550g | **-3500K** |

## KOBE Shatter Resistant Body Saw Blades

HSS body saw blade with two tooth pitch variations. 24 tooth (medium) and 32 tooth (fine) to suit a wide range of applications. Sold in packs of two.

**All Hard - For Straight Cuts**

| Teeth Per Inch | Pack Quantity | Order Code **KBE-280** |
|---|---|---|
| 24 | 2 | **-5670K** |
| 32 | 2 | **-5672K** |

**Bi-Metal - For Curved Cuts**

| Teeth Per Inch | Pack Quantity | Order Code **KBE-280** |
|---|---|---|
| 24 | 2 | **-5674K** |
| 32 | 2 | **-5676K** |

# HAMMERS & SCALES



## KOBE Hammer & Chisel Kit

NEW

**HP5040K**
Supplied with flat chisel, spot weld breaker, taper punch and rivet cutter. Variable power regulator. Accepts all standard 0.401" shank tools. ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption.

**Stroke length:** 40mm.
**Sound pressure level:** 112dBA.
**Sound power level:** 119dBA.
**Vibration level:** 14.8m/s².
**Overall length:** 135mm.

*Based on a 15 second cycle per minute average use.

| Blows Per Minute | Weight each | Order Code KBE-270 |
|---|---|---|
| 5,000 | 1.60kg | -3151R |

## KOBE Pistol Grip Hammer

**HP4540**
Suitable for use with cutters, punches, spot weld breakers and flat chisels. Supplied with retainer spring. Accepts all standard 0.401" shank tools, ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption.
**Stroke length:** 40mm.
**Sound pressure level:** 112dBA.
**Sound power level:** 121dBA.
**Vibration level:** 15.5m/s².
**Overall length:** 145mm.

*Based on a 15 second cycle per minute average use.

Group 259

| Blows Per Minute | Weight each | Order Code KBE-270 |
|---|---|---|
| 4,500 | 1.40kg | -3000K |

## KOBE HEAVY DUTY Needle Scaler

HEAVY DUTY

**NS4030**
10 needles for quick removal of rust, paint, scale, flux and corrosion. Slimline body. Lightweight. (For replacement scaling needles, please refer to parts drawing supplied with tool), ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption.

**Needle diameter:** 3mm.
**Sound pressure level:** 95dBA.
**Sound power level:** 109dBA.
**Vibration level:** 12.8m/s².
**Overall length:** 250mm.

*Based on a 15 second cycle per minute average use.

| Blows per minute | Weight each | Order Code KBE-270 |
|---|---|---|
| 5,000 | 1.25kg | -3300K |

### Scaler Needles

For use with Kobe Needle Scaler NS4030.

| Number of needles | Weight each | Order Code KBE-280 |
|---|---|---|
| Set 10 | 140g | -0019A |

## KOBE Retainers

Suitable for use with all Kobe air hammers.

| Type | Weight each | Order Code KBE-280 |
|---|---|---|
| Quick Change | 60g | -0001A |
| Beehive | 80g | -0004A |
| Zip Change | 70g | -0007A |

## KOBE Air Hammer Chucks

Suitable for use with all Kobe air hammers. Cannot accidentally be released.

**Safety Chuck**
Spring loaded retainer, that must be unscrewed to allow tool release.

**Quick Change Chuck**
Spring loaded front collar, that must be pulled forward to allow tool release.

| Type | Weight each | Order Code KBE-280 |
|---|---|---|
| Safety | 530g | -0010A |
| Quick Change | 530g | -0013A |

## KOBE Needle Scaler Attachment

Converts a pneumatic hammer into a needle scaler.

| To Suit | Weight each | Order Code KBE-280 |
|---|---|---|
| All Kobe Air Hammers | 865g | -0116A |

## KOBE HEAVY DUTY Pistol Grip Hammer

HEAVY DUTY

For a wide range of workshop and automotive uses. Supplied with retainer spring. Accepts all standard 0.401" shank tools, ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption.
**Stroke length:** 90mm.
**Sound pressure level:** 109dBA.
**Sound power level:** 119dBA.
**Vibration level:** 11.2m/s².
**Overall length:** 225mm.
*Based on a 15 second cycle per minute average use.

| Blows Per Minute | Weight each | Order Code KBE-270 |
|---|---|---|
| 2,100 | 2.00kg | -5513N |

## KOBE Hammer & Chisel Kit

Supplied with flat chisel, spot weld breaker, taper punch, rivet cutter and sheet metal cutter. Hard hitting long stroke. Accepts all standard 0.401" shank tools. ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 4cfm* air consumption.

**Stroke length:** 90mm.
**Sound pressure level:** 105dBA.
**Sound power level:** 118dBA.
**Vibration level:** 11.5m/s².
**Overall length:** 230mm.

*Based on a 15 second cycle per minute average use.

| Blows per minute | Weight each | Order Code KBE-270 |
|---|---|---|
| 2,000 | 3.0kg | -3416W |

## KOBE Air Riveter Kit

**KRK001**
for blind rivets 2.4, 3.2, 4.0, and 4.8mm. The rivet is easily set with a pull on the trigger Supplied in a kit box with collection of rivets, jaws, noses, spare parts and tools. ¼" BSP female fitting.

- For blind riveting.
- Adjustable Safety cap which collects ejected rivet pins.
- Suitable for both aluminium and steel rivets up to 4.8mm (3/16").
- Swivel adaptor
- Supplied in carry case.

**Maximum Rivet Diameter**:
2.4, 3.2, 4.0, 4.8mm.

| Model Number | Weight each | Order Code KBE-270 |
|---|---|---|
| KRK001 | 1.42kg | -3710K |

## KOBE Air Rivet Nut Tool

**KHRN01**
one-step rocker type trigger, quick and easy stroke adjustment, left and right side air inlet for ease of operational control. Suitable for rivet nuts M4-M12

**Comes with:**
Oiler, 5mm Hex Wrench, 2mm Hex Wrench, 10x11 Wrench, 27x30 Wrench and Rivet nut heads: M4, M5, M6, M7, M8, M9, M10, M11, M12.

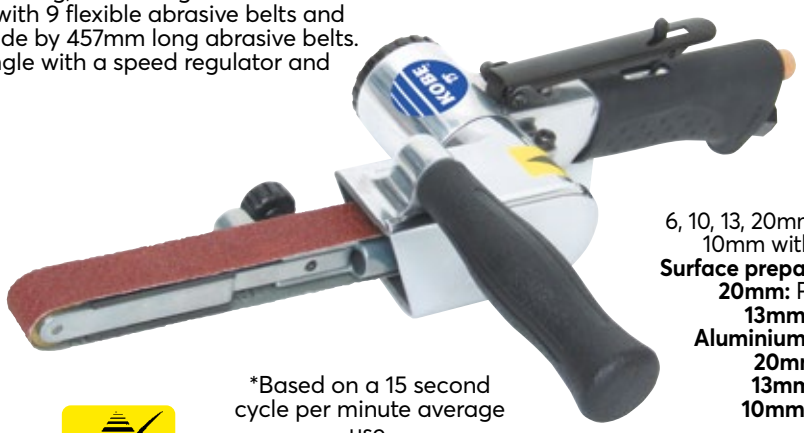
**Air inlet thread:** ¼" NPT.
**Minimum air hose size:** 10mm (3/8").
Min/Max air pressure: Min : 90psi / 6.2 bar / Max :110 psi /7.5 bar.
**Sound power level:** 92.8dBA.
Vibration level: 0.48m/s2.
**Dimensions (HxWxD):**
277x118x105mm.

| Model Number | Weight each | Order Code KBE-270 |
|---|---|---|
| KHRN01 | 2.2kg | -1150K |

## KOBE Mini Belt Sander Kit

**MBS025-X**
Suitable for shaping, paint removal, weld sanding, smoothing and rust removal on flat or curved surfaces. Supplied with 9 flexible abrasive belts and 5 contact arms. Uses 6, 10, 13 and 20mm wide by 457mm long abrasive belts. Adjustable multi-positional sanding arm angle with a speed regulator and rear handle exhaust with noise baffler.

**Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** 10mm (3/8").
**Air consumption:** 4cfm* (113ltr/min).
**Air pressure:** 90psi/6.3bar.
**Motor power:** 0.6hp.
**Sound pressure level:** 84dBA.
**Sound power level:** 92dBA.
**Vibration level:** 0.80m/s².
**Overall length:** 390mm.



*Based on a 15 second cycle per minute average use.

**Kit contents:**
**Contact arms:**
6, 10, 13, 20mm with flat roller.
10mm with rounded roller.
**Surface preparation file belts:**
**20mm:** P80 grit (coarse),
**13mm:** P300 grit (fine)
**Aluminium oxide file belts:**
**20mm:** P60, P80 grit,
**13mm:** P80, P120 grit,
**10mm:** P120, P150 grit,
**6mm:** P150 grit.
4mm hexagon key L-wrench.

Page 204

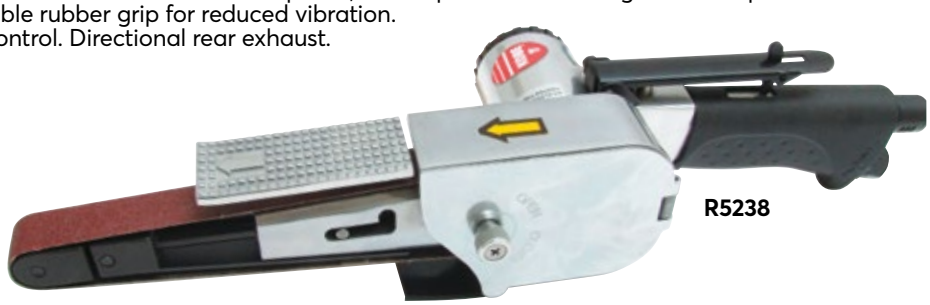
CONTINUOUS USE
Designed & Rated For Continuous Use

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 18,000 | 1.36kg | -2880K |

## KOBE Mini Belt Sanders

Suitable for flat, concave and convex surfaces.
Sanding arm can be rotated to any angle - improved access in confined spaces, saves space when storing the tool. Spare belt and hex wrench included. Ergonomic and comfortable rubber grip for reduced vibration.
Low profile teasing throttle for precise speed control. Directional rear exhaust.

**Air inlet thread:** ¼" NPT
**Minimum air hose size (ID):** 10mm (3/8").
**Air consumption:** 4cfm* (113ltr/min).
**Air pressure:** 90psi/6.2bar.
**Overall length/folded length:**
**R5218:** 305/207mm,
**R5228:** 470/310mm,
**R5238:** 420/255mm.



R5238

*Based on a 15 second cycle per minute average use.

| Model Number | Belt Size W x L (mm) | No Load Speed | Weight each | Order Code KBE-270 |
|---|---|---|---|---|
| R5218 | 6 x 330 | 18,000rpm | 0.85kg | -4250K |
| R5228 | 13 x 610 | 18,000rpm | 0.95kg | -4270K |
| R5238 | 20 x 520 | 16,000rpm | 1.60kg | -4200K |

# AIR TOOLS - SANDERS



## KOBE 75mm Air Random Orbital Sander

**BROS3 - HEAVY DUTY**
High speed random orbital sander with an adjustable power regulator to match the speed to the job. Lightweight design makes it easy to use in confined areas. Ball bearing construction for hosszú tool life.

**Motor power:** 0.40hp
**Air inlet thread:** ¼" BSP.
**Backing pad size:** 75mm (3").
**Sound power level:** 91dBA.
**Vibration level:** 6.3m/s².
**Backing pad:** Hook-n-Loop.
**Operating pressure:** 90psi/6.2bar.
**Minimum air hose size (ID):** ⅜" (10mm).
**Overall length:** 125mm.

CONTINUOUS USE Designed & Rated For Continuous Use

75mm DISCS ALSO STOCKED.

| Free Speed (rpm) | Order Code KBE-270 |
|---|---|
| 15,000 | -6010K |

**Spare Flexible Backing Pad**

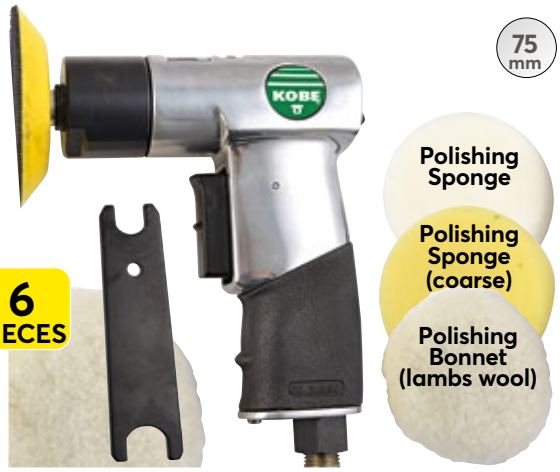
| Diameter (mm) | Order Code KBE-280 |
|---|---|
| 75 | -0210A |

## KOBE Mini Polisher Kit

**GMPK3 - 75mm (3") Mini Polisher Kit**
Compact and lightweight for ease of use in confined areas.
**Kit contents:** mini polisher, hook-n-loop backing pad, spanner, 90mm (3½") fine polishing sponge (white), 90mm (3½") coarse polishing sponge (yellow) and 90mm (3½")lambs wool polishing bonnet.

**Motor power:** 0.25hp.
**Air inlet thread:** ¼" BSP.
**Backing pad size:** 75mm (3").
**Sound power level:** 94dBA.
**Vibration level:** 0.77m/s².
**Overall length:** 115mm.
**Operating pressure:** 90psi/6.2bar.
**Minimum air hose size (ID):** ⅜" (10mm).

FRIENDLY OPERATOR Composite handle for comfort




| Free Speed (rpm) | Order Code KBE-270 |
|---|---|
| 3,200 | -6740K |

**Spare 3 ½" Polishing Sponges**

| Colour/ Grade | Order Code KBE-280 |
|---|---|
| White/Fine | -0160A |
| Yellow/Coarse | -0161A |
| Lamb Wool | -0162A |

## KOBE Mini Random Orbital Sander Kit

**FO5003mk**
Uses 2" and 3" backing pads. Two finger throttle for easier control and less fatigue. Adjustable power regulator to match the speed to the job. Ball bearing construction for a long tool life.

**Accessories included:** 2" and 3" backing pads. 10x 2" diameter sanding discs - 320, 400 and 600 grit. 10x 3" diameter sanding discs - 320, 400 and 600 grit. Spindle key and instructions. Supplied in a robust blow-moulded carry case.

**Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** ⅜" (10mm).
**Air consumption:** 4cfm*.
**Vibration level:** 0.9m/s².

*Based on a 15 second cycle per minute average use.

CE

FRIENDLY OPERATOR Operator Friendly Composite Handle Grip

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 15,000 | 611g | -2103K |

## KOBE 150mm Random Orbital Palm Sander Self-Vacuum Type

**R5666**
Suitable for shaping, blending and smoothing of body filler and rapid material removal. Random 5mm diameter orbit for a swirl-free finish - can be used for wet sanding. 150mm diameter Hook & Loop backing pad with a 600A hole pattern. 1.6m extraction hose. One handed operation with a rubber grip.

**Orbit diameter:** 5mm (3/16").
**Suction type:** self-generating vacuum.
**Spindle size:** 5/16".
**Recommended air pressure:** 6.2bar/90psi.
**Air consumption:** 3cfm* (85ltr/min). **Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** 10mm (3/8"). **Motor power:** 0.25hp.
**Sound pressure level:** 88dBA. **Sound power level:** 76dBA.
**Vibration level:** 5.2m/s². **Overall length:** 210mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 12,000 | 1.47kg | -4170K |

Group 203

## KOBE 150mm Random Orbital Sander

**FSO150**
Suitable for shaping, blending, smoothing body filler and rapid material removal. Rubber handle. Random orbit. Can be used for wet sanding.
Rotating air inlet to prevent tangling. Speed control for easy adjustment.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 10,000 | 1.04kg | -2720K |

## KOBE Pistol Screwdriver Kit

**SP1825K**
¼" NPT air inlet thread for 10mm air hose, 90PSI air pressure, 4cfm* air consumption, 45 - 115lbs/inch. ¼" hex drive capacity.

**Sound pressure level:** 86dBA.
**Sound power level:** 102dBA.
**Vibration level:** 4.6m/s².
**Overall length:** 178mm.

**Contents:**
SP1825 screwdriver.
Hexagon wrench and spanner.
No.1, 2 and 3 x 50mm crosspoint bits.
4, 5 and 6mm x 50mm slotted bits.
No.2 x 100mm crosspoint double-ended bit.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 1800 | 900g | -3850K |

## KOBE Straight Screwdriver Kit

**SS1525K**
¼" NPT air inlet thread for 10mm air hose, 90PSI air pressure, 4cfm* air consumption, 10 - 30lbs/inch torque. ¼" hex drive capacity.

**Sound pressure level:** 90dBA.
**Sound power level:** 104dBA.
**Vibration level:** 3.2m/s².
**Overall length:** 210mm.

**Contents:**
SS1525 screwdriver.
Two clutch springs:
Clutch Spring No.06-703-13
Dia 2.3mm; 1Nm - 3Nm
Clutch Spring No.06-703-23
Dia 1.8mm; 0.3Nm - 0.7Nm
2x spanners.
Clutch adjusting wrench.
¼ NPT nipple. Mini oil bottle. No.1 x 65mm crosspoint double ended bit. 5 x 50mm slotted bit.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 1700 | 900g | -3800K |

## KOBE Automatic Shut-off Screwdriver 0.6 - 5.1Nm

**CSP005S**
Suitable for production and assembly applications. Push to start type with auto shut-off clutch. Three interchangeable torque springs allow for easy conversion for new applications. External torque adjustment does not require disassembly of the tool. Variable speed throttle. Ergonomically contoured grip for operator comfort. Hanging ring included.

**Chuck size:** ¼" (6mm) hex.
**Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** ⅜" (10mm).
**Green torque spring:*** 0.6 - 2.1Nm (5 - 19in/lbs).
**Black torque spring:** 1.1 - 4.3Nm (10 - 38in/lbs).
**Yellow torque spring:** 1.7 - 5.1Nm (15 - 45in/lbs).
**Air pressure:** 6.3bar/90psi.
**Air consumption:** 4cfm* (144ltr/min).
**Sound pressure level:** 84dBA.
**Sound power level:** 93dBA.
**Vibration level:** <0.5m/s².

*Based on a 15 second cycle per minute average use.

| Overall Length | Weight each | Order Code KBE-270 |
|---|---|---|
| 210mm | 815kg | -3760K |

# AIR TOOLS - RATCHETS



## KOBE Speed Ratchets

3/8 1/2

**SR375** 3/8" square drive, 10mm bolt capacity.
**SR500** 1/2" square drive, 13mm bolt capacity.
Ball type retainer, disc type reversing action, compact, lightweight design, ideal for automotive work, front exhaust.

**Free speed:** 150rpm.
**Air inlet thread:** 1/4" NPT.
**Minimum air hose size (ID):** 10mm (3/8").
**Air pressure:** 6.2bar/90psi.
**Air consumption:** 4cfm* (113ltr/m).
**Torque:** 50ft/lbs.
**Overall length:** 255mm.

| KBE - 270 | 2375K | 2500K |
|---|---|---|
| **Sound pressure level:** | 89dBA | 89dBA |
| **Sound power level:** | 96dBA | 89dBA |
| **Vibration level:** | 4.0m/s² | 4.0m/s² |

*Based on a 15 second cycle per minute average use.

| Model Number | Square Drive | Weight each | Order Code KBE-270 |
|---|---|---|---|
| SR375 | 3/8" | 1.10kg | **-2375K** |
| SR500 | 1/2" | 1.10kg | **-2500K** |

## KOBE Speed Ratchet 1/4" Square Drive

1/4

**R7722**
Suitable for the removal and installation of threaded fasteners. Reversible hardened steel 1/4" square drive. Short body length allowing access into hard to reach areas. Planetary gears for longer life and smoother running. Low profile throttle for precise speed control. Rotating air inlet to prevent the air hose tangling.
**Drive size:** 1/4" (6mm).
**Free speed:** 200rpm.
**Recommended air pressure:** 6.2bar/90psi.
**Air consumption:** 4cfm* (113ltr/min).
**Working torque range:** 7 ~ 27nm (5 ~ 20ft/lbs).
**Air inlet thread:** 1/4" NPT.
**Minimum air hose size (ID):** 10mm (3/8").
**Sound pressure level:** 80dBA.
**Sound power level:** 88dBA.
**Vibration level:** 1.8m/s².
**Overall length:** 200mm.

**Protective rubber head cover** | **Lever operated throttle** | **Directional rear exhaust** | **Forward/ Reverse lever switch** | **Adjustable air (speed) regulator** | **Vibration dampened rubber grip**

*Based on a 15 second cycle per minute average use.

| Overall Length | Weight each | Order Code KBE-270 |
|---|---|---|
| 200mm | 0.65kg | **-4010K** |

## KOBE Speed Ratchets

3/8 1/2

**FSR375** 3/8" square drive. **Working torque range:** 5 - 20ft.lbs (7 - 27Nm). **Overall length:** 205mm. **Free speed:** 200rpm.
**FSR500** 1/2" square drive. **Working torque range:** 10 - 50ft.lbs (14 - 68Nm). **Overall length:** 265mm. **Free speed:** 150rpm.

Suitable for the removal and installation of threaded fasteners when doing automotive and light assembly work. Reversible hardened steel square drive. Rubber handle provides grip and operator comfort with reduced hand chill. Three planetary gears for longer life and smoother running. Rubber cover protects the ratchet head and the workpiece. Short body length allows access into hard to reach areas.
Low profile teasing throttle for precise speed control. Rotating rear exhaust with baffle for reduced noise. Rotating air inlet to prevent the air hose tangling.
Adjustable air regulator.

FRIENDLY OPERATOR
Operator Friendly Composite Handle Grip

**Air inlet thread:** 1/4" NPT.
**Minimum air hose size (ID):** 10mm (3/8").
**Air pressure:** 6.2bar/90psi.
**Air consumption:** 4cfm* (113ltr/min).

| KBE - 270 | 2360K | 2300K |
|---|---|---|
| **Sound pressure level:** | 84dBA | 80dBA |
| **Sound power level:** | 88dBA | 87dBA |
| **Vibration level:** | 1.8m/s² | 2.6m/s² |

*Based on a 15 second cycle per minute average use.

| Model Number | Square Drive | Working Torque Range | Overall Length | Weight each | Order Code KBE-270 |
|---|---|---|---|---|---|
| FSR375 | 3/8" | 7-27Nm | 205mm | 640g | **-2360K** |
| FSR500 | 1/2" | 14-68Nm | 265mm | 1.20kg | **-2300K** |

## KOBE Impact Wrench

½

**B7444**
Suitable for production and assembly applications. Twin hammer mechanism. Fixed inlet and exhaust.

**Forward**: position 1: 4000rpm,
position 2: 5000rpm,
position 3: 7000rpm.
**Reverse**: position 1: 3000rpm,
position 2: 5000rpm,
position 3: 7000rpm.

**Collet size:** ½" (13mm).
**Maximum torque:**
813Nm (600ft/lbs).
**Recommended air pressure:**
6.2bar/90psi.
**Air consumption:** 4cfm* (113ltr/min).
**Air inlet thread:** ¼" NPT.
**Minimum air hose size (ID):** 10mm (⅜").
**Sound pressure level:** 83dBA.
**Sound power level:** 90dBA.
**Vibration level:** 6.8m/s².
**Overall length:** 183mm.

CONTINUOUS USE
Designed & Rated For Continuous Use

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 7,000 | 1.94g | -4040K |

## KOBE Impact Wrench Kit

½

**IWS500**
**Includes:** ½" impact wrench IW500.
10 metric sockets: 9 - 27mm. Threaded tailpiece, in-line mini-oiler and oil bottle. Aluminium housing, 10 position power regulator, thumb switch for reversing, ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 300ft/lbs torque, 4cfm* air consumption, 16mm bolt capacity. Supplied in blow moulded case.

**Sound pressure level:** 93dBA.
**Vibration level:** 1.219m/s².
**Overall length:** 191mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 7,000 | 4.30kg | -2350K |

## KOBE Impact Wrench

½

**IW500**
One piece aluminium housing, 10 position power regulator, thumb switch for reversing, ¼" NPT air inlet thread for 10mm air hose, 90psi air pressure, 300ft/lbs torque, 4cfm* air consumption, 16mm bolt capacity.
**Sound pressure level:** 88dBA.
**Vibration level:** 4.2m/s².
**Overall length:** 191mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 7,000 | 2.30kg | -2316P |

## KOBE Stubby Impact Wrench - Twin Hammer

½

**KSW120**
Suitable for light workshop and garage use. Stubby design allows access to hard to reach work spaces and soft grip handle helps to reduce vibration. Other features include a forward/ reverse speed regulator, as well as a downward facing exhaust in handle to lower noise level.

**Free speed:** 10,000rpm,
forward: position 1 8,000rpm,
position 2 10,000rpm,
position 3 11,000rpm,
reverse: position 1 8,000rpm,
position 2 10,000rpm,
position 3 11,000rpm.
**Maximum torque:** 678Nm (500ft/lbs).
**Working torque range:**
34-407Nm (25-300ft/lbs).
**Recommended air pressure:** 6.2bar(90psi).
**Air consumption:** 4cfm*
**Air inlet thread:** ¼" NPT.
**Hose size (ID):** 10mm (⅜").
**Overall length:** 120mm.
**Weight:** 1.54kg.

*Based on a 10 second cycle per minute average use.

| Model Number | Order Code KBE-270 |
|---|---|
| KSW120 | -2310K |

# AIR TOOLS -WRENCHES

## KOBE Impact Wrench

3/4

**IW750**

One-piece aluminium housing, 10 position power regulator, thumb switch for reversing, ¼" NPT air inlet thread for 10mm air hose, 25mm bolt capacity. 90psi air pressure, 7.5cfm* air consumption. 500ft/lbs torque.

**Sound pressure level:** 83dBA.
**Vibration level:** 0.449m/s².
**Overall length:** 245mm.

*Based on a 15 second cycle per minute average use.

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 4,200 | 5.00kg | -2325S |

## KOBE HEAVY DUTY In-Line Air Impact Wrench

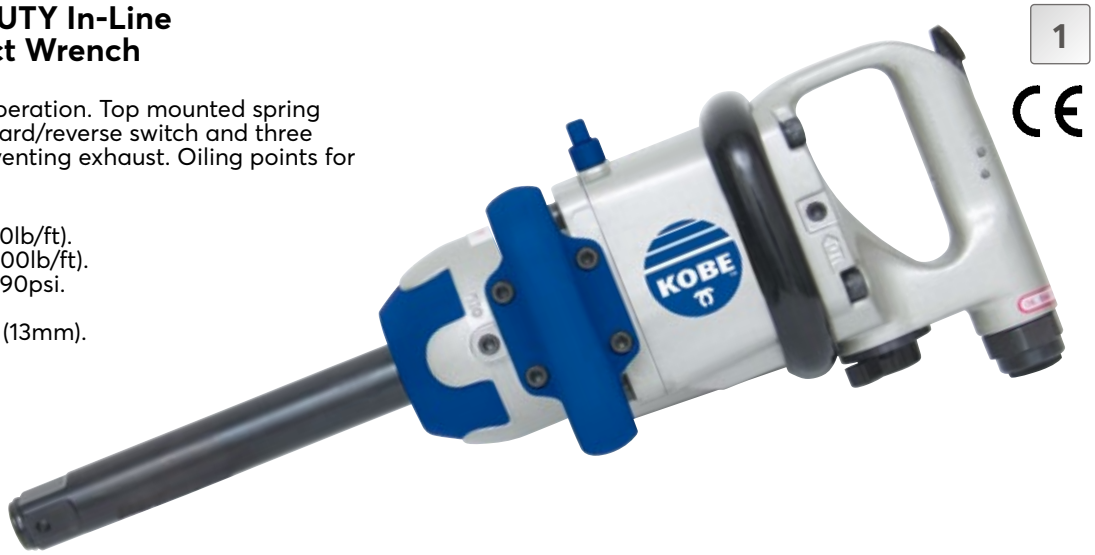
1

CE

**IWS100X**

Side handle for two-handed operation. Top mounted spring balance loop. Easy to use forward/reverse switch and three position power regulator. Top venting exhaust. Oiling points for daily maintenance.

**Final drive:** 1" (25mm) hex.
**Working torque:** 2,030Nm (1500lb/ft).
**Maximum torque:** 2,300Nm (1700lb/ft).
**Safe working pressure:** 6.2bar/90psi.
**Air inlet thread:** ½" NPT.
**Minimum air hose size (ID):** ½" (13mm).
**Air pressure:** 6.3bar/90psi.
**Air consumption:** 7.0cfm.
**Sound pressure level:** 87dBA.
**Vibration level:** 5.9m/s².
**Overall length:**
500mm.



| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 3,300 | 9.34kg | -1630B |

## KOBE 3/8" Impact Wrench

3/8

Suitable for smaller workshops and garages. Double hammer mechanism. Four-stage adjustable air regulator (speed) forward/backward. Ergonomic comfortable handle. Start/stop. Controllable with one finger. Downwards is an external exhaust in the handle.

**Idle speed/min:** 10,100
**Maximum torque:** 393Nm (290ft/lbs).
**Working torque:** 339Nm (250ft/lbs).
**Air pressure:** 6.2bar (90psi).
**Air consumption:** 3.4cfm*.
**Air inlet thread:** 1/4" NPT.
**Minimum air clearance**
**Hose (ID):** 10mm (3/8").
**Overall length:** 160mm.

*Based on a 15 second cycle per minute average use.

| Product Number | Order Code KBE-270 |
|---|---|
| G7321 | -5820K |

## KOBE Pistol Grip Air Impact Wrench

1

**IWP100-X**

Front or rear mounting spring balance loop. Forward/reverse switch and three position power regulator. Forward facing exhaust. Oiling points for daily maintenance.

**Final drive:** 1" (25mm) hex.
**Working torque:**
2,170Nm (1600lb/ft).
**Maximum torque:**
2,440Nm (1800lb/ft).
**Air inlet thread:**
½" NPT.
**Minimum air**
**hose size (ID):**
½" (13mm).
**Air pressure:**
6.3bar/90psi.
**Air consumption:** 0.8cfm.
**Sound pressure level:** 87dBA.
**Vibration level:** 5.9m/s².
**Overall length:** 295mm.

CE

| Free Speed (rpm) | Weight each | Order Code KBE-270 |
|---|---|---|
| 3,400 | 9.70kg | -1620A |

## Bench Mounted Pillar Drill, 230V

- Integrated magnetic NVR (No Volt Release) Stop/Start & Emergency Stop switch
- Telescopic drill guard
- Quick and easy speed adjustment
- Sturdy cast iron table and base
- Thermal cut out protection for prolonged life of the motor

| Tension V | Weight kg | Motor Power W | Order Code SIP-277 |
|---|---|---|---|
| 230 | 14.7 | 350 | **-0762K** |

## Floor Pillar Drill

01705 F20-16

- Motor: 550w
- Voltage: 230V (13amp)
- Weight: 53kg
- Drill capacity: 16mm (steel)
- Keyed chuck capacity: 3mm - 16mm
- Easy lock motor adjustment
- Sturdy cast iron tilting table

| Weight kg | Motor Power W | Order Code SIP-277 |
|---|---|---|
| 53 | 55 | **-0763R** |

## Bench Grinder

07628

Featuring robust metal housing, lubricated spindle bearings and tool rest adjustment.

- 550W
- 230V
- Wheel diameter: 200mm
- For the professional user
- Supplied with wire wheel, adjustable tool rests, eye shields, spark arrestors and wheel guards

| Tension V | Motor Rating W | Grinding Wheel Diameter (mm) | Order Code SIP-277 |
|---|---|---|---|
| 230 | 550 | 203 | **-0759N** |

## Bench Pillar Drill

01702 B16-16

16 speed settings, fan cooling for improved heat dissipation.

- 375W
- 230V
- Max. load speed: 2,770rpm
- Max. chuck capacity: 16mm
- Max. drilling: 16mm (steel)
- Table size: 420 x 250mm

| Tension V | Grinding Wheel Diameter (mm) | Order Code SIP-277 |
|---|---|---|
| 240 | 150 | **-0759P** |

# AIR PREPARATION & CORE DRILLS



## KOBE Professional Heat Gun Kit - 2000W

For use in a variety of settings such as soldering, welding PVC, shaping, drying, shrink-fitting, stripping paint, removing sticky labels etc. Temperature and air flow controls allow for precise settings to be achieved. LCD display to show temperature and air flow settings. Ceramic heating element increases longevity and provides optimal quality. Thermal cut-out protection prevents the tool from damage due to overheating. Memory storage of last used settings for quick start-up. Can be used free-standing on a work surface facing upwards for hands-free use.

**Working temperature:** 50-650°C.
**Accessories:** 4 detachable nozzles, paint scraper and moulded carry case

2000 WATTS
LCD DISPLAY

| Voltage | Order Code KBE-279 |
|---|---|
| 240V | -2150K |

## OSAKI POWER TOOLS Engraver Kit

**ENG003**
Electric hand held engraver with positive on/off switch and 5 position stroke adjuster for varied engraving depths. For use on metals, plastics, glass, ceramics, wood and leather.

- 5-Position adjustable engraving depth.
- Includes 2 tips and template for letters and numbers.
- Soft grip.
- Positive On/Off.
- 1.8m cable.

| Voltage | Weight each | Order Code OSA-279 |
|---|---|---|
| 230V | 375g | -9810K |

## KOBE Submersible Water Pump

750 WATTS
240V
230ltr PER MIN
10m CABLE

**WPS 750**
Suitable for the effective draining of cellars, cisterns and the general transfer of water. Capable of continuous and reliable running, strong double insulated case with no metal parts are in contact with the water. Overload protection and easy to remove filters for cleaning and access to the impeller. Fitted with an automatic float switch and a multi hose adaptor (25, 32, 38mm), can handle solids up to 5mm diameter.

**Motor:** 750W.
**Maximum delivery height:** 8.5m.
**Power cable:** 10m.
**Flow rate:** 230ltr.

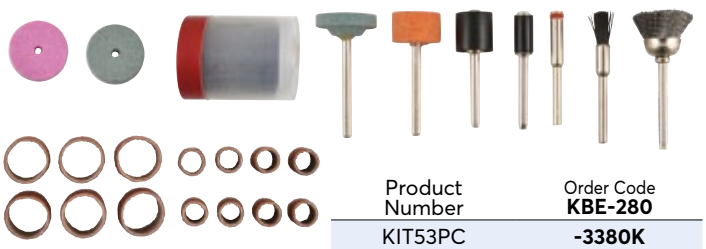
| Model Number | Order Code KBE-279 |
|---|---|
| WPS 750 | -4470K |

## KOBE Multi-Tool Accessory Kit

Fitted plastic case containing 53 piece multi-tool kit for a range of surface cleaning and polishing tasks.

**Contents:**
1x silicon carbide sanding wheel with ⅛" diameter shank, 1x aluminium oxide sanding wheel with ⅛" diameter shank, 1x holder ¼" x ½", 1x holder ½" x ½", 1x mandrel shank dia: ⅛", 1x nylon end brush, 1x wire cup brush, 2x grinding wheel ⅛" x 13/16", 30x cutting disc 1/32" x 15/16", 6x sanding band ½" x ½", 8x sanding band ¼" x ½".

53 PIECES



| Product Number | Order Code KBE-280 |
|---|---|
| KIT53PC | -3380K |

# COATED DISC BACKING PADS



## Coated Disc Backing Pads

- Backing pads are commonly grouped by diameter
- Attachment method: the devices feature both threaded shanks and inserts for fixing the pad onto a tool
- Type of surface sanded: Thin, firm pads are preferable for flat surfaces
- Thick, medium to soft pads are recommended for curved surfaces

1

Order Code
**KBE-280**
**-0201A**
**-0202A**

2

Order Code
**YRK-280**
**-4100K**

3

Order Code
**KEN-280**
**-3110K**

4

Order Code
**KEN-280**
**-3230K**

5

Order Code
**KEN-280**
**-3210K**

6

Order Code
**KEN-280**
**-3870K**

7

Order Code
**KEN-280**
**-3920K**

8

Order Code
**KEN-280**
**-3330K**

9

Order Code
**KEN-280**
**-3310K**

10

Order Code
**KEN-280**
**-3370K**

11

Order Code
**KEN-280**
**-3390K**

Random Orbital Sander

| Image | Brand | Order Code | Attachment Type | No of Holes | Application | Thread size/ Attachment type | Suitable for disc (Dia.) |
|---|---|---|---|---|---|---|---|
| 1 | Kobe | KBE2800201A | Hook-n-Loop | 0 | Flexible | M6 male | 50mm |
| 1 | Kobe | KBE2800202A | | | Flexible | M6 male | 75mm |
| 2 | York | YRK2804100K | | | Flexible | M14 x 2mm | 100mm |
| 3 | Kennedy | KEN2803110K | | | Medium | M14 x 2mm | 115mm |
| 4 | Kennedy | KEN2803230K | Hook-n-Loop | 0 | Medium | M14 x 2mm | 125mm |
| 5 | Kennedy | KEN2803210K | | | Medium | 5/18" UNC | |
| 6 | Kennedy | KEN2803870K | Adhesive | 0 | Medium | 5/16" UNF male | 150mm |
| 7 | Kennedy | KEN2803920K | | 6 | Medium | | |
| 8 | Kennedy | KEN2803330K | Hook-n-Loop | 0 | Medium | M14 x 2mm | |
| 9 | Kennedy | KEN2803310K | | | Medium | 5/8" UNC | |
| 10 | Kennedy | KEN2803370K | | | Medium | 5/16" UNF male | |
| 11 | Kennedy | KEN2803390K | | 6 | Medium | | |

# FIBRE DISC BACKING PADS & DISCS



## Dust is a problem

### Airborne particles

The creation of airborne particles is inherent in most abrasive processes. The composition and physical cross section (quantity and distribution of particles sizes) depends on the workpiece and the properties of the abrasive product being used.

Airborne particles are hazardous to operators through contact with exposed skin or eyes, and especially by inhalation.

Extremely fine airborne particles can be particularly hazardous, as they are often invisible to the naked eye and are more easily absorbed into lungs and respiratory tracts, leading to long-term health risks.

## Why dust extraction matters

**Shop Cleanliness**
Shop environment and operator satisfaction

**Productivity / Rework**
Impacts cycle time

**Health & Safety**
Increase focus on operator health

**An extensive criterion applies to the selection of back-up pads encompassing the method of use and the product's physical characteristics. The following must be taken into consideration:**

- **Size:** Backing pads are commonly grouped by diameter.
- **Attachment method:** The devices feature both threaded shanks and inserts for fixing the pad onto a tool.
- **Type of surface sanded:** Thin, firm pads are preferable for flat surfaces. Thick, medium to soft pads are recommended for curved surfaces.
- **Grit characteristics:** A lower grit number reflects a more aggressive grit. A grit disc with a 50 grit ranking, for example, would require a firmer pad while a soft to medium pad would be more appropriate for a 230 grit disc.

## KENNEDY Fibre Disc Backing Pads

- The hard pads are ventilated to keep the sanding disc cooler, especially when grinding metal, making them the best choice for coarser grade discs
- Select a medium grade for a good general purpose choice
- The flexible pads are ideal for use on finer grades where the flexible rim will help avoid gouging and score marks

| Thread size/ Attachment type | Application | Type | Suitable for disc (Dia.) | Order Code **KEN-280** |
|---|---|---|---|---|
| M10 x 1.25mm | Medium | Plain | 100mm | **-2010K** |
| M10 x 1.5mm | | | | **-2030K** |
| 3/8" UNF | | | | **-2050K** |
| M10 x 1.5mm | Medium | Plain | 115mm | **-2110K** |
| M14 x 2mm | | | | **-2130K** |
| 5/8" UNC | Medium | Plain | 125mm | **-2210K** |
| M14 x 2mm | | | | **-2230K** |
| 5/8" UNC | Medium | Plain | 178mm | **-2310K** |
| M14 x 2mm | | | | **-2330K** |
| 5/8" UNC QR | | | | **-2350K** |

## KOBE Hook-n-Loop Backed Sanding Discs

### No Holes

SiC

Random Orbital Sander

- No spanners required
- 100% of disc can be used, material removal rate is therefore increased
- Can be repeatedly removed and re-applied
- Silicon carbide abrasive especially suitable for automotive body preparation prior to spraying and for cutting back two-pack paint finishes
- Can be used wet or dry

**-0203A** **-0204A** **-0205A** **-0206A** **-0207A** **-0208A**

| For use on | Diameter | Grade | Grit | Pack Qty | Order Code **KBE-280** |
|---|---|---|---|---|---|
| • Automotive body preparation prior to spraying<br>• Cutting back two-pack paint finishes | 50mm | Very Fine | P320 | 25 | **-0203A** |
| | | Extra Fine | P400 | | **-0204A** |
| | | | P600 | | **-0205A** |
| | 75mm | Very Fine | P320 | | **-0206A** |
| | | Extra Fine | P400 | | **-0207A** |
| | | | P600 | | **-0208A** |

# POLISHING KITS & BUFFING PADS

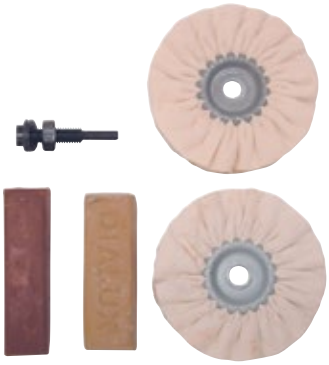


## YORK ABRASIVES Polishing Mop Kits

Polisher | Right Angle Grinder

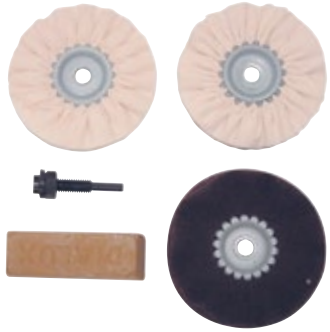
A complete high performance surface finishing solution, producing a mirror finish in three stages. For use with drills, bench grinders or die grinders. All mops are pleated to run cooler and carry more composition.

-9420K



-9440K

-9400K



-9460K

| Kit For | Mops | | Disc | Arbor | Polishing Bars | | | | | Order Code YRK-280 |
|---|---|---|---|---|---|---|---|---|---|---|
| | Calico 10 Folds | Sisal 4 Sections | Denibbing 4 Sections | Secure Holding | Brown | Dark Brown | Blue | Beige | Pink | |
| | Unstitched 100 x 2.5mm 9.5mm Bore | | Stitched 100 x 25mm 9.5mm Bore | 100 x 25mm 9.5mm Bore | 6mm Shank | for general polishing | for fast cutting | for mirror finish polishing | for general finishing | for general polishing | |
| | Hard | Soft | | | | | | | | | |
| Non Ferrous Metals | • | • | | | • | 60g | | 60g | | | -9420K |
| Plastics | • | • | | | • | 60g | | | 100g | | -9440K |
| Ferrous Metals | • | • | | | • | | 60g | 60g | | 60g | -9400K |
| Woods | • | • | | • | • | | | | 100g | | -9460K |

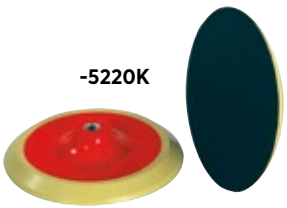
## KENNEDY Buffing Pads & Bonnets

Polisher

Merino Sheepskin Bonnets - 32mm pile Tie-on

-5120K

-5200K



-5220K

Bonnet Support Pads

| Material | Type | For | Max RPM | Diameter | Order Code KEN-280 | Support Pads: Thread Size | Support Pads: Diameter | Support Pads: Order Code KEN-280 |
|---|---|---|---|---|---|---|---|---|
| Merino Sheepskin Bonnets - 32mm pile | Tie-on | Metal Glass Fibre Wood Painted Surfaces | 2,500 | 125mm | -5000K | M14 x 2<br>5/8" UNC | 125mm | -3230K<br>-3210K |
| | | | | 150mm | -5020K | M14 x 2 | 150mm | -4030K |
| | | | | 180mm | -3900K | - | - | - |
| 100% Wool Pads - Twisted | Double Sided | Metal Glass Fibre Wood Painted Surfaces | 8,500 | 220mm | -5120K | - | - | - |
| | Cupped Hook-n-Loop | | | | -5200K | M14 x 2 | 178mm | -5220K |

## KENNEDY Buffing & Polishing Foam

**M14 x 2**

- Use with all makes of power tools

Polisher

| Colour | Dia. | Width | Hardness | For | Order Code KEN-280 |
|---|---|---|---|---|---|
| Red | 150mm | 30mm | Extra Soft | Final finishing & polishing | -5380K |
| Blue | | | Medium | Polishing & compounding on Cellulose & acrylic | -5300K |
| White | 150mm | 50mm | Very Hard | Finishing all modern paints including LVHM | -5260K |

## KOBE Diamond Core Drills

Manufactured from tool grade steel to ensure perfect concentricity with good weld strength. Can be used across a wide range of building materials such as: facing bricks, concrete blocks, breeze blocks, building blocks, hand made bricks and soft to medium hard natural stones.

| Description | Order Code KBE-280 |
|---|---|
| 10 x 200mm 'A' Taper Pilotdrill | -0150A |
| 240mm SDS Long Series Arbor | -0151A |
| Guide Rod | -0153A |
| Drift Key | -0154A |
| 85mm SDS Short Series Arbor | -0156A |

## KOBE Mini Oiler

Feeds oil directly into the airline ensuring your air tool is well lubricated at all times preventing corrosion. The clear body reservoir allows immediate inspection of the oil level. All brass construction.

| Thread (BSP) | Weight each (g) | Order Code KBE-280 |
|---|---|---|
| ¼ | 130 | -1400K |

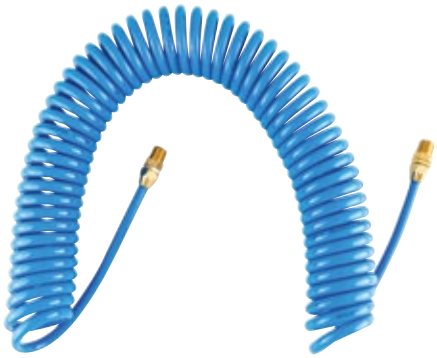
## KOBE Water Separator

Continuously removes moisture from the air supply helping to prevent corrosion to the internal components of the air tool. The spring valve allows immediate draining of reservoir without any down time.

| Thread (BSP) | Weight each | Order Code KBE-280 |
|---|---|---|
| ¼ | 110g | -1900K |

## KOBE Retracting Coil Airline Hoses

- Recoils to a fraction of its working length, leaving the workplace clear of entanglement hazards
- Flexible polyurethane design makes handling easy even in restricted areas
- Brass swivel couplings provide a positive fit with accessories and tooling
- Available with two sized couplings to suit your needs



| psi | Order Code KBE-280 |
|---|---|
| 250 | -1165K |
| 250 | -1325K |

## KOBE Diamond Core Drills

**Set Contents:**
42, 52, 65, 117 and 127mm core.
Chuck adaptor, chuck extension, SDS adaptor, SDS extension, guide rod taper drill guide and drift key.

12 PIECES

| Size | Order Code KBE-280 |
|---|---|
| 42mm | -0310K |
| 52mm | -0312K |
| 65mm | -0314K |
| 117mm | -0316K |
| 127mm | -0318K |
| 12 Piece Core Drill Set | -0300K |

## KOBE Panel Cutter 160mm

- Compatible with most air chisels
- Durable design to smoothly cut and shape materials
- Tough SCM443 construction

| Product Number | Order Code KBE-289 |
|---|---|
| YM46A | -3046Y |

## KOBE Rivet Cutter 175 x 19mm

- Compatible with most air chisels
- Durable design to easily trim rivets
- Tough SCM442 construction

| Product Number | Order Code KBE-289 |
|---|---|
| YM02A | -3002Y |

## KOBE Taper Punch 175mm

- Compatible with most air chisels
- Durable design to accurately punch materials
- Tough SCM444 construction

| Product Number | Order Code KBE-289 |
|---|---|
| YM01A | -3001Y |

## KOBE Spot Weld 175 x 19mm

- Compatible with most air chisels
- Durable design to cut through welding
- Tough SCM446 construction

| Product Number | Order Code KBE-289 |
|---|---|
| YM05A | -3005Y |

## KOBE Flat Chisel 165 x 16mm

- Compatible with most air chisels
- Durable design to shape and work solid materials
- Tough SCM440 construction

| Product Number | Order Code KBE-289 |
|---|---|
| YM37A | -3037Y |

## KENNEDY Morse Taper Adaptors

For use with Magtron broaching units, drill presses, lathes etc.

**Bore diameter:** 20mm.
**Overall length:** 156mm.

| Adaptor | Weight each | Order Code KEN-288 |
|---|---|---|
| No.2 MT | 0.6kg | -4120K |
| No.3 MT | 1.0kg | -4130K |

## KENNEDY M2 Multi-Tooth Milling Cutter Set

**Short Series**
**Shank diameter:** 19mm/¾".
**Depth of cut:** 25mm.
**Bore:** 6mm.
**Overall length:** 60mm.
Compatible with all magnetic drilling and broaching units.
Complete with pilot pin and fitted case.
**Sizes:** 14, 16, 18, 20, 22 and 24mm.

6 PIECES

| Weight each | Order Code KEN-288 |
|---|---|
| 800g | -3000K |

## KENNEDY Push-In 54 Piece Spares Kit

**Contents:**

**Tee Connectors** (2x 4mm, 6mm and 8mm).

**Elbow Connectors** (2x 4mm, 6mm and 8mm).

**Straight Connectors** 2x 4mm, 6mm and 8mm).

**Blanking Plugs** (6x 4mm, 6mm and 8mm).

**G⅛ Tapered Stud Connectors** (3x 4mm, 6mm and 8mm).

**G¼ Tapered Stud Connectors** (3x 4mm, 6mm and 8mm).

| Sizes | Order Code KEN-291 |
|---|---|
| 4, 6 & 8mm | -9100K |

## KENNEDY Pilot Pins

For use with all multi-tooth milling cutters with 6mm bore. Pilots locate into pre-drilled pilot holes ensuring positional accuracy of the cutter. Suitable for 'blind' or 'through' pilot holes, pin will retract into cutter adaptor on 'bottoming'.

**Short series:** 77mm.
**Long series:** 102mm.

* For 12mm cutters only

| Description | Weight each | Order Code KEN-288 |
|---|---|---|
| Short Series | 15g | -4010K |
| Short Series* | 15g | -4050K |
| Long Series | 20g | -4020K |
| Long Series* | 20g | -4060K |

# WIRE WHEELS & BRUSHES



## Which wire brush to use on which material

| Workpiece Material | Steel | Stainless Steel | Brass | Nylon |
|---|---|---|---|---|
| Aluminium | | X | X | X |
| Brass | | X | X | X |
| Copper | | X | X | X |
| Iron | X | | X | X |
| Plastic | | | X | X |
| Steel/Metal | X | | X | X |
| Stainless Steel | | X | X | X |
| Wood | X | | X | X |

## YORK ABRASIVES Wire Brushes

### 30 Standard Wire Gauge

- High-quality tempered crimp wire provides fine to medium coarse brushing action
- These wire wheels provide quick cutting action and excellent longevity

Right Angle Grinder

Steel

Brass

| Bristle Material | Diameter | Width | Bore | Max. RPM | Order Code YRK-295 |
|---|---|---|---|---|---|
| Steel | 80mm | 15mm | 20mm | 10,000 | -0030K |
| | 100mm | 20mm | 30mm | 6,000 | -0140K |
| | | 28mm | | | -0170K |
| | | 30mm | | | -0390K |
| | 150mm | 21mm | 51mm | 6,000 | -0450K |
| | | 29mm | | | -0480K |
| | 200mm | 21mm | 80mm | 4,500 | -0650K |
| | | 29mm | | | -0680K |
| | 250mm | 29mm | 10mm | 3,600 | -0880K |
| Brass Coated | 80mm | 22mm | 20mm | 4,500 | -1300K |
| | 200mm | 29mm | 80mm | 4,500 | -1360K |
| Full Brass | 80mm | 22mm | 20mm | 4,500 | -0920K |
| | 100mm | 20mm | 30mm | 6,000 | -0940K |
| | 200mm | 29mm | 80mm | 4,500 | -0980K |

## YORK ABRASIVES Twisted Knot Brushes

### Steel, 35 Standard Wire Gauge

- A more aggressive circular brush
- The twist knot construction allows a higher surface speed

Right Angle Grinder

-1220K

-1110K
-1210K

| Diameter | Width | Bore | Max. RPM | Order Code YRK-295 |
|---|---|---|---|---|
| 100mm | 11mm | 22.23mm | 12,500 | -1110K |
| 115mm | | | 11,000 | -1210K |
| 115mm | | M14 | 11,000 | -1220K |

## YORK ABRASIVES Shaft Mounted Brushes

### 30 Standard Wire Gauge

- Suitable for use in power drills
- Most suitable for hard to reach area and grooves

Angle Die Grinder

Stainless Steel

Steel

Brass

Die Grinder

| Bristle Material | Diameter | Width | Max. RPM | Order Code YRK-295 |
|---|---|---|---|---|
| Steel | 30mm | 5mm | 20,000 | -2000K |
| | | 10mm | | -2010K |
| | | 12mm | | -2030K |
| | 40mm | 13.5mm | 20,000 | -2140K |
| | | 18mm | | -2160K |
| | 50mm | 10mm | 15,000 | -2320K |
| | | 15mm | | -2350K |
| | | 20mm | | -2370K |
| | 60mm | 10mm | 15,000 | -2420K |
| | | 15mm | | -2450K |
| | | 20mm | | -2470K |
| | 70mm | 10mm | 15,000 | -2620K |
| | | 15mm | | -2650K |
| | | 20mm | | -2670K |
| | 80mm | 10mm | 12,000 | -2720K |
| | | 15mm | | -2750K |
| | | 20mm | | -2770K |
| Brass | 50mm | 10mm | 15,000 | -2820K |
| | 70mm | 15mm | 15,000 | -2940K |
| | 80mm | 20mm | 12,000 | -2960K |
| Stainless Steel | 60mm | 10mm | 15,000 | -8160K |
| Brass Coated | 80mm | 20mm | 12,000 | -2860K |

## YORK ABRASIVES Shaft Mounted Cup Brushes

### 30 Standard Wire Gauge

For all round use, ideal for work on larger surfaces removing burrs, rust and paint.

Angle Die Grinder

Die Grinder

Steel

Brass

Stainless Steel

| Bristle Material | Diameter | Width | Max. RPM | Order Code YRK-295 |
|---|---|---|---|---|
| Steel | 45mm | 10mm | 11,000 | -3220K |
| | 50mm | 10mm | 11,000 | -3320K |
| | | 50mm | 12,000 | -3380K |
| | 60mm | 15mm | 12,000 | -3450K |
| | | 60mm | | -3490K |
| | 70mm | 15mm | 4,500 | -3650K |
| Brass | 40mm | 10mm | 11,000 | -3820K |
| | 50mm | | | -3840K |
| Stainless Steel | 60mm | 20mm | 11,000 | -4060K |

## YORK ABRASIVES Flat End Decarbonising Brushes

### 30 Standard Wire Gauge

- For hard to reach areas such as drilled holes, recesses and corners
- For removal of burrs, rust and paint

| Diameter | Max. RPM | Order Code YRK-295 |
|---|---|---|
| **Steel** | | |
| 12mm | 20,000 | -6320K |
| 17mm | | -6440K |
| 24mm | | -6600K |
| 30mm | | -6800K |
| **Brass** | | |
| 12mm | 20,000 | -7100K |
| 24mm | | -7120K |

## YORK ABRASIVES Open Twist Tube Cleaning Brushes

Die Grinder

- For machine use in cleaning interior of tubes and removing soft deposits in condenser and heat exchanger equipment
- 1/4" BSW female universal thread fitting

To be used with hand held power drill or die grinder.

**Brass**

| Dia | Brush Length | Overall Length | Order Code YRK-295 |
|---|---|---|---|
| 3/8" | 60mm | 130mm | -5710K |
| 7/16" | | | -5720K |
| 1/2" | 90mm | 140mm | -5730K |
| 9/16" | | | -5740K |
| 5/8" | | | -5750K |
| 11/16" | | | -5760K |
| 3/4" | | | -5770K |
| 13/16" | | | -5780K |
| 7/8" | 110mm | 190mm | -5790K |
| 15/16" | | | -5800K |
| 1" | | | -5810K |

**Nylon**

| Dia. | Brush Length | Overall Length | Order Code YRK-295 |
|---|---|---|---|
| 1/4" | 60mm | 130mm | -5860K |
| 3/8" | 80mm | | -5870K |
| 7/16" | 80mm | | -5880K |
| 1/2" | 90mm | 140mm | -5890K |
| 5/8" | | | -5910K |
| 11/16" | | | -5920K |
| 3/4" | | | -5930K |
| 7/8" | 110mm | 190mm | -5940K |
| 15/16" | | | -5950K |
| 1" | | | -5960K |

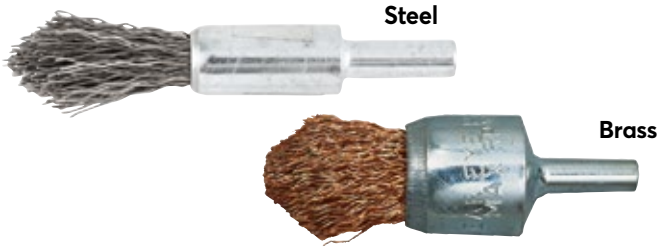
| Dia. | Brush Length | Overall Length | Order Code KEN-295 |
|---|---|---|---|
| 14" | 90mm | 140mm | -5900K |

## YORK ABRASIVES Pointed End Decarbonising Brushes

Die Grinder

### 30 Standard Wire Gauge

- For use in high speed air and electrical tools
- Ideal for hard to reach areas
- For the removal of paint, carbon and for de-burring




| Diameter | Max. RPM | Order Code YRK-295 |
|---|---|---|
| **Steel** | | |
| 12mm | 20,000 | -7320K |
| 17mm | | -7440K |
| 24mm | | -7600K |
| 30mm | | -7800K |
| **Brass** | | |
| 12mm | 20,000 | -7980K |
| 24mm | | -8000K |

## YORK ABRASIVES Arbor Cup Brushes

Right Angle Grinder

### 30 Standard Wire Gauge

- Multi purpose brush for removal of rust, paint and burrs
- Ideally suited for use on bench machines and angle grinders

**Brass 30SWG** | **Steel 30SWG** | **Steel 50SWG**

| Standard Wire Gauge | Dia | Arbor | Bristle Material | Max RPM | Order Code YRK-295 |
|---|---|---|---|---|---|
| 30 | 100mm | 22mm Plain | Steel | 10,000 | -4420K |
| | 100mm | 5/8" BSW | Brass | 10,000 | -4440K |
| | 125mm | | Steel | 65,00 | -4540K |
| | 75mm | M14 Threaded | Steel | 12,500 | -4330K |
| | 100mm | | Brass | 10,000 | -4180K |
| | 75mm | | Brass Coated | 12,500 | -4160K |
| | 75mm | | Brass | 12,500 | -4700K |
| | 100mm | | Steel | 10,000 | -4430K |
| | 150mm | | Steel | 60,00 | -4630K |
| 50 | 75mm | 22mm Plain | Steel | 8,500 | -5320K |
| | 100mm | | Steel | 8,500 | -5420K |
| | 65mm | M14 Threaded | Steel | 12,500 | -5230K |
| | 75mm | | Steel | 9,000 | -5330K |
| | 100mm | | Steel | 8,500 | -5430K |

## KENNEDY Rotary Wire Brushes

### 30 Standard Wire Gauge

- Very high flexibility
- Suitable for geometrically challenging parts
- Crimped wire allows for general purpose applications

| Standard Wire Gauge | Dia | Arbor | Bristle Material | Max RPM | Order Code KEN-295 |
|---|---|---|---|---|---|
| 30 | 125mm | 22mm Plain | Steel Wire | 6,000 | -0360K |
| | 150mm | 11mm Plain | Steel Wire | 6,000 | -0430K |
| | 100mm | 22mm Plain | Brass | 10,000 | -4400K |

# Measuring & Test

Keeping Industry Working™

Product Groups

# 300 - 372

# Contents


| Description | Group | Page |
|---|---|---|
| Axis Gauging | 302 | **166** |
| Bevel Protractors | 330 | **173** |
| Binoculars | 318 | **172** |
| Bore Gauges | 335 | **165, 170** |
| Calipers - Dial | 330 | **174 - 175** |
| - Vernier | 330 | **176** |
| Combination Sets | 330 | **173** |
| Counters | 314 | **165** |
| Dial Gauges | 300 | **174** |
| Digital - Calipers | 331 | **177** |
| - Depth Gauges | 331 | **179** |
| Engineer's Levels | 340/341 | **187** |
| Height Gauges | 330 | **174** |

| Description | Group | Page |
|---|---|---|
| Magnetic Bases & Comparator Stands | 333 | **180 - 182** |
| Magnifiers | 316 | **171** |
| Micrometer Heads | 335 | **186** |
| Micrometers - Depth | 335 | **186** |
| Micrometers - External | 335 | **183 - 185** |
| Refractometers | 336 | **187** |
| Steel Parallels | 372 | **189** |
| Stopwatches | 314 | **169** |
| Tally Counters | 314 | **169** |
| Thermometers | 312 | **168** |
| Thickness Gauges - Dial | 330 | **174** |
| Vee Blocks | 370 | **188** |

# DIAL GAUGES

## OXFORD PRECISION Easy Read Dial Gauges Plunger Type

**58mm (2¼") Diameter Dial**
Matt finish chromed housing and black oxidised limit hands. Fitted with ¼" inside diameter stem.

58mm Diameter

| Resolution | Travel | Reading | Order Code **OXD-300** |
|---|---|---|---|
| 0.001" | 0.5" | 0-50-0 | **-8100K** |
| 0.01mm | 5mm | 0-50-0 | **-7850K** |
| 0.01mm | 10mm | 0-100 | **-8500K** |
| 0.01mm | 25mm | 0-100 | **-8520K** |

## KENNEDY Easy Read Dial Gauges Plunger Type

**58mm (2¼") Diameter Dial**
With shockproof mechanisms and clear, **'Easy Read'** dial for zero setting. All models are operational in both directions. Supplied in fitted cases with accessories storage space. Matt finish chromed housing and black oxidised limit hands. Fitted with ¼" inside diameter centre back lug and 5/16" diameter stem.

58mm Diameter

| Resolution | Travel | Reading | Order Code **KEN-300** |
|---|---|---|---|
| 0.001" | 0.5" | 0-50-0 | **-7100K** |
| 0.001" | 0.5" | 0-100 | **-7110K** |
| 0.001" | 1.0" | 0-100 | **-7160K** |
| 0.0005" | 1.0" | 0-50 | **-7170K** |
| 0.01mm | 10mm | 0-100 | **-7500K** |
| 0.01mm | 25mm | 0-100 | **-7520K** |

## OXFORD PRECISION Easy Read Dial Gauge Plunger Type

**58mm (2¼") Diameter Dial**
**6 Jewel**
Matt finish chromed housing and black oxidised limit hands. Shockproof mechanism. Fitted with ¼" inside diameter stem.
**Weight:** 440g.

58mm Diameter

JEWELLED

| Resolution | Travel | Reading | Order Code **OXD-300** |
|---|---|---|---|
| 0.01mm | 10mm | 0-100 | **-5500K** |
| 0.01mm | 25mm | 0-100 | **-5520K** |

## KENNEDY Smile Dial Gauges Plunger Type

**58mm (2¼") Diameter Dial**
Matt finish chromed housing and black oxidised limit hands. Jewelled. Fitted with ¼" inside diameter centre back lug and 5/16" diameter stem.

JEWELLED

58mm Diameter

| Resolution | Travel | Reading | Order Code **KEN-300** |
|---|---|---|---|
| 0.01mm | 10mm | 0-100 | **-5000K** |

## OXFORD PRECISION Easy Read Dial Test Indicators

**32mm Diameter Dial Lever Type**
Supplied with dovetail fitting and 6 and 8mm spigot. Matt finish chromed housing.

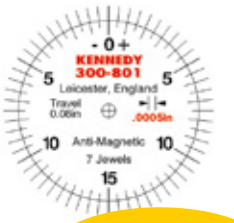
| Resolution | Travel | Reading | Order Code **OXD-300** |
|---|---|---|---|
| 0.01mm | 0.8mm | 0-40-0 | **-9020K** |

## OXFORD PRECISION 32mm Dial Diameter

| Resolution | Travel | Reading | Order Code **OXD-300** |
|---|---|---|---|
| 0.0005" | 0.03" | 0-15-0 | **-9010K** |

## KENNEDY Easy Read Anti-Magnetic Dial Test Indicators

**32mm (1¼") Diameter Dial Lever Type**
Supplied with dovetail fitting and 6 and 8mm spigot. Matt finish chromed housing. Jewelled.




JEWELLED

| Resolution | Travel | Reading | Order Code **KEN-300** |
|---|---|---|---|
| 0.0005" | 0.03" | 0-15-0 | **-8010K** |
| 0.01mm | 0.8mm | 0-40-0 | **-8020K** |

## OXFORD PRECISION Vertical Lever Dial Gauge

Anti-magnetic lever dial gauge with SZAFIRACH movement for a smooth and precise operation. Measuring direction automatically adapts on contact. Supplied with basic set of mounting accessories and case.

| Range Accuracy | Graduation | Measuring Force | Reading | Order Code **OXD-300** |
|---|---|---|---|---|
| 0.8mm ±0.01mm | 0.01mm | 0.IN-0.5N | 0-40-0 | **-9100K** |

## KENNEDY Dial Gauge Accessories

**Replacement Anvils**
For all Kennedy plunger type dial gauges. Steel.

| Type | Order Code **KEN-301** |
|---|---|
| Metric | **-9400K** |
| Inch | **-9410K** |

**Replacement Styli**
For Kennedy lever type dial test indicators. Carbide Steel.

KEN-301-9440K - Stylus to suit old style metric types only.

KEN-301-9860K - Stylus to suit new style metric types only.

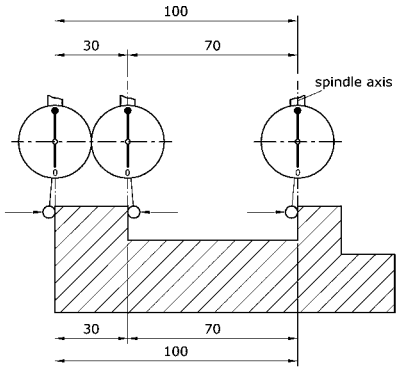
KEN-301-9630K - Stylus to suit old style imperial types only.

| Suitable For | Order Code **KEN-301** |
|---|---|
| Old Style Metric Types Only | **-9440K** |
| New Style Metric Types Only | **-9860K** |
| Old Style Imperial Types Only | **-9630K** |

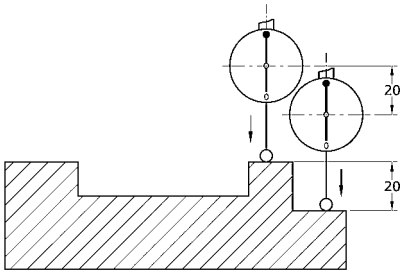
# KENNEDY® 3D Axis Gauging

Provides quick, accurate setting of all three axes (X, Y, Z) by analogue differential indicator. Suitable for all machine tools with CNC, NC or DRO and also for EDM/spark erosion tools - the stylus is electrically insulated from the spindle. Universal - one tool measures length, height, diameter and centre. The synchronous single needle allows greater needle displacement before reaching '12 o'clock'. A positive reading is given regardless of direction of axis movement. No calculations and no 'trial and error' involved. The stylus is designed to break on a 'nominal fracture' before the workpiece or tester can be damaged. Three plug in styli types can be changed in seconds without the use of special tools.
Pre-adjusted to a concentricity of 0.01mm maximum.

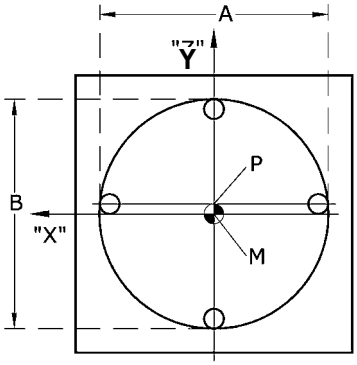
**Indicator diameter:** 50mm.
**Clamping shank diameter:** 16mm.




**a. Measuring length**




**b. Measuring height**




**c. Establishing true centre and diameter of bores.**

Insert stylus roughly in centre of bore, measure distance A and divide by 2 (P). Measure distance B in Y direction, across point P and divide by 2.

Result: true centre point (M).
Repeat measuring of distance A.

**Stylii**
Conical precision plug-in mechanism. Insulated, no electrical conductivity. Designed-in nominal fracture point.

| Type | Length mm | Anvil Dia. | Order Code KEN-302 |
|---|---|---|---|
| Short | 33 | 4.0 | -2130K |
| Long | 72 | 6.0 | -2170K |

**3D Axis Gauge**

| Indicator Dia. | Effective Length | Shank Dia. | Order Code KEN-302 |
|---|---|---|---|
| 50mm | 125mm | 16mm | -2010K |

## OXFORD PRECISION Hardness Testers

**Rockwell Hardness Tester**
**Model 150R**
For testing the hardness of hard alloys, quenched and unquenched steels, using steel ball or diamond penetrators to measure Rockwell A, B & C units of measurement. Supplied with test block, flat large, small and V notch anvils, steel ball bearing indentor and diamond Indentor. Manufactured in accordance with **ISO 6508-2:1999 & ASTME18**.

**Measuring ranges:**
20-88HRA (Test force: 588.4N/60kgf),
20-100HRB (Test force: 980.7N/100kgf),
20-70HRC (Test force: 1471N/150kgf).
**Max height of test piece:**
80mm with screw protective jacket, 170mm without.
**Depth of throat:** 135mm.
**Dimensions:** 466 x 238 x 630mm.

| Model Number | Weight each | Order Code **OXD-303** |
|---|---|---|
| 150R | 65kg | **-1000K** |

## Find us online

Navigating our website is made simple and easy to use. Optimised search and comparison for quick product selection.

Check product availability with ease. Once you've found your desired item, just click on it to see if it's in stock. Our real-time updates will let you know instantly if it's available for purchase.

Stay informed on pricing. List price shown making it easy for you to make purchasing decision.

Access detailed product information. For those who crave more knowledge, we provide comprehensive descriptions and downloadable technical documents to give you all the information you need to make an informed decision.

## 2-in-1 Food Safety Infrared Thermometer

The IR-95 Food Safety infrared and contact thermometer for surface scans with a probe thermometer and alarm monitoring for internal temperature readings.
The Thermometer will measure the surface and inside temperature of an object. It is ideal to be used in the professional food temperature measurement. It is also a handy tool in restaurant and kitchen.

**Features:**
- Built-in fold-out probe for measuring internal food temperature.
- MIN/MAX temperature display for quick reference.
- Small modern housing design.

| Model Number | Order Code OXD-312 |
|---|---|
| IR-95 | -3560K |

## DT-8861 Digital Dual Laser Infrared Thermometer

- Double Laser Target
- Keep Data Automatically
- High and Low Alarm
- Max Display
- Automatic shutdown DT-8861

| Temp Range °C | Temp Range °F | Order Code OXD-312 |
|---|---|---|
| -50 to 550 | -58 to 1022 | -2774F |

## UT333 Mini Temperature & Humidity Meter

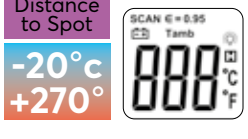
- Display temperature, humidity and dew point temperature selection together
- °C/°F Selectable
- Customised measurement compensation
- Record interval, system time and sleep time settings
- MAX/MIN modes
- 100 sets data storage, manual/auto storage modes
- USB communication, PC software, data hold, LCD backlight

| Temp Range °C | Temp Range °F | Order Code OXD-312 |
|---|---|---|
| -10 to 60 | 14 to 140 | -5666K |

## Mini Laser Thermometer

The IR-88H Pocket Infrared Thermometer are a new design. Checking all types of A/C and Heating Systems. Monitor performance of appliances such as refrigerator, dishwasher, freezer and ovens. Ensuring proper cooking, grilling and storage temperatures.

**Features:**
- Laser Pointer
- 6:1 Distance to Spot
- Measure up to 270°C/518°F
- Data Hold and Max Hold (IR-88H)
- Lock for continuous use (88H)
- Programmable alarm set-point (88H)




| Model Number | Order Code OXD-312 |
|---|---|
| IR-88H | -5675F |

## Mini Anemometer

- Data hold, LCD backlight
- °C/°F Selectable
- Auto power off (cancelable)
- 2044 sets data storage
- Auto record function with 0 .5~255s interval
- Wear-proof fan shaft for improved accuracy and reliability
- Wind speed modes: MAX, MIN, Real-time
- Wind count modes: MAX, 2/3 MAX, MIN, AVG, real-time
- 7 Selectable units: m/s, km/h, ft/min, MPH, KNOTS, CFM, CMM

| Temp Range °C | Temp Range °F | Order Code OXD-312 |
|---|---|---|
| -10 to 50 | 14 to 122 | -5643D |

## RUTLAND SPORT Multi Function Digital Stopwatch - Standard

Water and shock resistant design.
Supplied with nylon neck cord.

**Specification:**
1/100 second precision with split times.
Calendar and time display 12hr or 24hr format.
Daily alarm. Hourly chime.
Supplied complete with 1.5V battery.

| Type | Order Code RTL-314 |
|---|---|
| Standard | -3020K |

## RUTLAND SPORT Multi Function Digital Stopwatch

Large screen, three row display. Time, date and 12/24 hr display. 80 laps and split memory at 1/100 sec. Fastest, slowest and average lap display. Countdown timer with 10 hrs working range. Pacer function with selectable pacer interval. 3 sec EL backlight. CR2032 3V lithium battery. Water and shock resistant. Back clip and lanyard included.

| Type | Order Code RTL-314 |
|---|---|
| Standard | -3120K |

## OXFORD PRECISION Electronic Tally Counter - Up

- Four-digit LCD with large push-buttons
- High-impact construction with comfortable rubber keys
- Optional audible counting indicator
- Battery included

| Height | Order Code OXD-314 |
|---|---|
| 60mm | -5820K |

## OXFORD PRECISION Chrome Tally Counters

Four digit (0-9999) metal body mechanical counters with push button actuator and reset button. Sturdy chrome plated steel construction.

**Hand Tally** comfortably fits in the palm of your hand, audible click, finger ring.

**Desk Tally** features a special mounting base designed for desk, bench or clipboard mounting.

| Description | Order Code OXD-314 |
|---|---|
| Hand Tally | -5500K |
| Desk Tally | -5520K |

## OXFORD PRECISION Electronic Tally Counter - Up/Down

Counts up to 9999. Four-digit LCD with large push-buttons. Reverse function to count down as well as up.
High-impact construction with comfortable rubber keys.
Battery included.

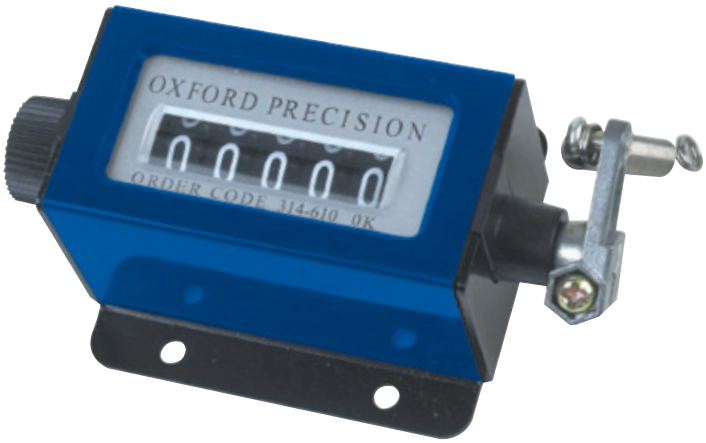
**Size (W x D x H):**
30 x 15 x 60mm.

| Height | Order Code OXD-314 |
|---|---|
| 60mm | -5830K |

## OXFORD PRECISION Mechanical Stroke Counter

Five digit mid-range mechanical stroke counter. Tough plastic case. Excellent value.

**Overall length:** 80mm.
**Height:** 30mm.




| Spindle Rotation | Order Code OXD-314 |
|---|---|
| Right Hand | -6100K |

# BORE GAUGES & TACHOMETERS

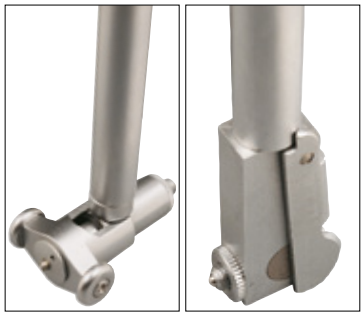
## OXFORD PRECISION AT6 - Tachometer

- This Digital Tachometer provides fast and accurate Non-contact RPM and surface speed measurements of rotating objects.
- This tachometer is used the CPU technique, photo-electrical technique, and junction laser technique for one instrument combined PHOTO TACH. (RPM&REV).
- Two test modes: rotate speed mode (unit: RPM) & count mode (unit: REV)

| MPN | Type | Range | Display | Depth mm | Width mm | Length mm | Order Code **OXD-315** |
|---|---|---|---|---|---|---|---|
| AT-6 | Tachometer - Non-contact - RPM | 2 RPM to 999.9 RPM | LCD | 39 | 58 | 160 | **-2740F** |

## OXFORD PRECISION Dial Indicating Bore Gauges

**29mm 1 1/8" Dial Diameter**
Suitable for rapid, accurate measurement of size, concentricity, wear, taper, etc. All models have one fixed and one moving anvil and a self-adjusting centre shoe. A 'datum point' can be set. Can check a bore is within tolerance. All anvils are spring loaded to expand into the bore. All models have inter-changeable anvils to cover a range of bore sizes.



Supplied in a tough hard case.

| Range | Bore Depth | Weight each | Order Code **OXD-315** |
|---|---|---|---|
| 18 - 35 | 200 | 0.58kg | **-1400K** |
| 35 - 50 | 240 | 0.95kg | **-1450K** |
| 50 - 150 | 240 | 1.28kg | **-1500K** |

## OXFORD PRECISION LED Desk Magnifier Lamp

**LTS600-61**

With 280mm gooseneck
- 5.4W LED
- **Lens diameter:** 90cm (3.5")
- **Magnification:** 1.75x
- **Diopter:** 3
- For inspection work, laboratories, medical and dentistry, design work, jewellers, electronics

| Type | Order Code OXD-316 |
|---|---|
| Clamp | -2620K |

## OXFORD PRECISION Bench Magnifiers

89mm (3½") diameter lens.
2x magnification. Chrome plated brass frame. 180mm flexible hose length permits viewing at any angle. Suitable for viewing work requiring high precision.

**With Clamp**
Black powder coated clamp provides stability and convenience. Portable and easy to clip onto a bench or table.
**Clamping capacity:** 55mm.

**With Stand**
Cast horseshoe type stand provides stability and convenience.

| Type | Order Code OXD-316 |
|---|---|
| Clamp | -1100K |
| Stand | -1120K |

## OXFORD PRECISION Hand Magnifier

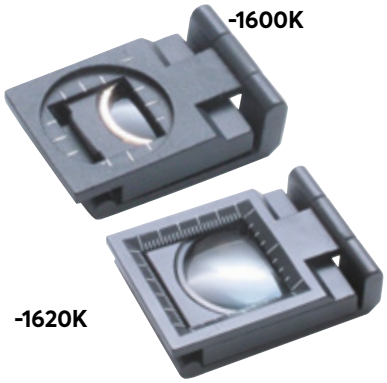
2x and 3x have chrome-plated brass frame and bakelite handle. 4x deluxe has a gilt-effect frame and hardwood handle.

| Type | Diameter | Order Code OXD-316 |
|---|---|---|
| 2x | 89mm | -2500K |
| 3x | 50mm | -2520K |
| 4x | 65mm | -2600K |

## OXFORD PRECISION Folding Pocket Magnifier

**15mm Diameter**
Suitable for inspecting paper, photographs, printed documents. 7x magnification. 1" working distance. ½" square field. Inch graduation. ⅛" divisions.

**30mm Diameter**
Suitable for inspecting paper, photographs, printed documents. 6x magnification. 38mm (1½") working distance. 25mm (1") square field. Metric and inch graduations. 1mm and ⅛" divisions.




| Diameter | Order Code OXD-316 |
|---|---|
| 15mm | -1600K |
| 30mm | -1620K |

## OXFORD PRECISION LED Bench Magnifier

**LTS120-61-5D**

- 9.4W LED
- **Lens diameter:** 125mm (5")
- **Magnification:** 2.25x
- **Diopter:** 5
- Suitable for the workplace, hobbies or for people with limited vision

| Type | Order Code OXD-316 |
|---|---|
| Stand | -2610K |

## OXFORD PRECISION LED Head Loupe with Removable LED Light & Interchangeable Lenses

The detachable LED light can be removed to provide an independent source of light that has two magnets for attaching to steel objects. Can be worn with spectacles and has an adjustable headband and an integral visor to cut out ambient light. It comes with four interchangeable lenses. The lenses stay firmly in position when raised or lowered, leaving both hands free to work.

| Description | Order Code OXD-316 |
|---|---|
| LED Head Loupe | -2560K |

## OXFORD PRECISION Oxford LED Light Magnifier

**30mm Diameter**
10x magnification.
5mm diameter LED light.
30mm diameter integral 2x optical glass lens.
Powered by 3x AAA batteries (not supplied).
Battery life = 40/50 hours under continuous use.
With plastic case and belt loop.

| Diameter | Order Code OXD-316 |
|---|---|
| 30mm | -2010K |

## OXFORD PRECISION LED Desk Magnifier

**LTS60002-61**

With weighted base.
- 5.4W LED
- **Lens diameter:** 90cm (3.5")
- **Magnification:** 1.75x
- **Diopter:** 3
- Ideal for painting, sewing, DIY
- Can be used with a clamp

| Type | Order Code OXD-316 |
|---|---|
| Stand | -2640K |

## OXFORD PRECISION Magnifying Loupes

Suitable for precision engineers', instrument makers', watch repairers', jewellers etc.

**Triplet**
Provides sharp images with minimum distortion. Three separate lenses bonded together to form one compound lens.
Chrome plated finish.
Complete with leather case.

**Double**
21mm diameter double lenses bonded together to form one compound lens. Provides a sharp magnified image with virtually no distortion.

| Type | Magnification | Order Code OXD-316 |
|---|---|---|
| Triplet | 10x | -1500K |
| Double | 20x | -1520K |

# BINOCULARS



## Traditional Binoculars 10 x 42

**TP1042**
These binoculars have a powerful 10 x magnification using a Porro prism. **Includes** Lens caps, case, neck strap, and cleaning cloth.

10 x 42

**Prism type:** Porro.
**Magnification:** 10x.
**Objective lens:** 42mm.
**Angle of view:** 6°.
**Field of view at 1000m:** 105m.
**Exit pupil:** 4.2mm.
**Focusing method:** Manual.
**Closest focusing distance:** 4m.
**Dimensions:** (W x H x D) 110 x 168 x 65mm.
**Weight:** 775g.

*Diopter measurement*

*Fold down eye cup*

| Product Number | Order Code **RTL-318** |
|---|---|
| TP1042 | **-1600K** |

## Spotting Scope 18-36 x50

**SS3650**
Complete with tripod and mounting point Includes case with shoulder strap, and cleaning cloth.

18 - 36 x50

**Prism type:** Porro.
**Magnification:** 18 - 36x.
**Objective lens:** 50mm.
**Angle of view:** 26 - 43°.
**Field of view at 1000m:** 23 - 38m.
**Exit pupil:** 1.5 - 4mm.
**Focusing method:** Manual.
**Dimensions:** (W x H x D) 380 x 360 x 330mm.
**Weight:** 1190g.

*Diopter measurement*

*Fold down eye cup*

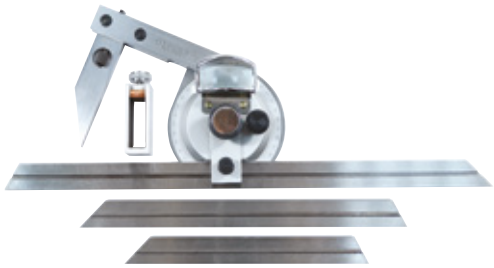
*Tripod use*

| Product Number | Magnification x Lens Diameter | Order Code **RTL-318** |
|---|---|---|
| SS3650 | 18-36 x 50 | **-3100K** |

## OXFORD PRECISION Bevel Protractor Set

For accurate angle measurement of machines, moulds and jigs. Made of polished and hardened stainless steel with magnifying lens for easy reading of vernier scale. Range is 4x 90° and accuracy is +½° or 5 minutes.

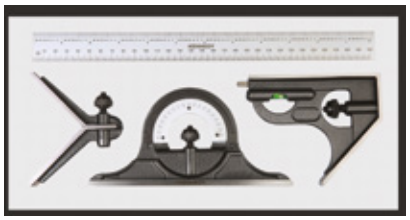
**Set includes:** protractor head, 150mm (6"), 200mm (8") & 300mm (12") plain rules, height gauge and acute angle attachments.



| Description | Order Code OXD-330 |
|---|---|
| Bevel Protractor Set | -9500K |

## KENNEDY® Multi-Function Combination Set 12"/300mm NEW

The multi-function 300mm/12" combination set is a versatile tool ideal for woodworking, metalworking, construction, DIY projects, and machining. It can be used as a square, mitre, depth, and height gauge, simplifying various measuring tasks. Made from durable stainless steel, it features a square head, protractor, and centre head. The set includes both metric and imperial measurements, ensuring accuracy and versatility for different tasks.



| Number of Pieces | Order Code KEN-330 |
|---|---|
| 4 | -1532F |

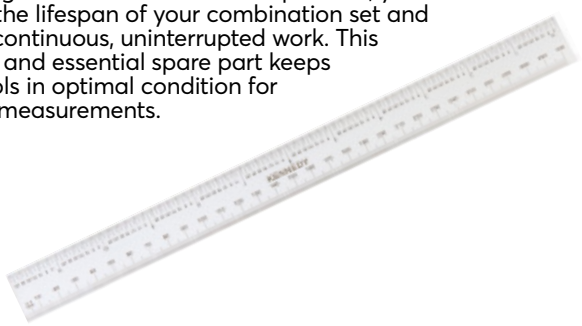
## KENNEDY® Centre Head For Combination Set For KEN3303250K NEW

- Essential replacement part for combination sets (KEN3303250K)
- Maintains accuracy and functionality of tools
- Ensures precise measurements and reliable performance
- Ideal for woodworking, metalworking, construction, DIY projects, and machining
- Allows continuous, uninterrupted work by replacing broken or worn-out components

| Material | Order Code KEN-330 |
|---|---|
| Steel | -4203P |

## KENNEDY® Ruler For Combination Set 12"/300mm NEW

The 12"/300mm rule is a necessary spare part for the KEN3303250K combination set, ensuring accurate measurements and reliable performance. Ideal for woodworking, metalworking, construction, DIY projects, and machining, this replacement rule helps maintain the precision of your tools. By replacing broken or worn-out components, you can extend the lifespan of your combination set and ensure continuous, uninterrupted work. This durable and essential spare part keeps your tools in optimal condition for precise measurements.



| Number of Pieces | Order Code KEN-330 |
|---|---|
| 1 | -5550H |

## KENNEDY® Protractor For Combination Set NEW

The Protractor is a spare part designed for combination sets, essential for replacing broken or worn-out components. It ensures longevity and precision in various tasks such as woodworking, metalworking, construction, and DIY projects. By restoring the functionality and accuracy of the combination set, the PROTRACTOR maintains exact measurements for angle layout work, making it an indispensable tool for professionals and hobbyists.

| Number of Pieces | Order Code KEN-330 |
|---|---|
| 1 | -5990Y |

## KENNEDY® Square Head For Combination Set NEW

The Square Head is a crucial spare part ensuring tool functionality and precision maintenance, vital for productivity and accuracy in various industries. It's designed for woodworking, metalworking, and construction, ensuring precise right-angle measurements for layout and fabrication tasks. This replacement component integrates seamlessly with compatible combination sets, extending tool lifespan and enhancing operational reliability. It enables users to uphold precision and accuracy across tasks by replacing worn or damaged parts, ensuring continued performance and efficiency in demanding environments.

| Number of Pieces | Order Code KEN-330 |
|---|---|
| 1 | -9231K |

# DEPTH & GAUGES HEIGHT



## OXFORD PRECISION Leg Type Dial Calipers

Leg type dial calipers used for measuring diameters and narrow grooves in hard to reach places.

**Internal specifications:**
range: 55 - 75mm, graduation: .01mm, groove depth: 8mm, groove width: 3mm, maximum reach: 100mm.
**External specifications:**
range: 0 - 20mm, graduation: 0.01mm, groove depth: 6mm, groove width: 3mm, throat depth: 60mm.
**Resolution:** 0.010mm
**Accuracy:** +/-0.010 mm

| Type | Groove Depth | Reach/ Depth | Order Code **OXD-330** |
|---|---|---|---|
| External | 6mm | 60mm | **-0600K** |
| Internal | 8mm | 100mm | **-0750K** |

## OXFORD PRECISION Dial Thickness Gauge

For quickly measuring the thickness of paper, film, leather, rubber etc. Measuring faces are made of high grade tool steel, hardened, ground and lapped for accuracy.
**Range:** 0 - 10mm.
**Resolution:** 0.01mm.
**Throat depth:** 30mm.
**Accuracy:** ±0.02mm.

| Type | Groove Depth | Reach/ Depth | Order Code **OXD-330** |
|---|---|---|---|
| External | 6mm | 60mm | **-0100K** |

## OXFORD PRECISION Dual Counter Height Gauges

Used in conjunction with a granite or metal surface plate, the Oxford dual counter height gauge will give you the accuracy you need when laying out work prior to machining. The height gauge can also be used in much the same way as a caliper to help you determine the dimensions of a workpiece.

- Designed for accurate marking out and taking precise measurements.
- Measuring head positioned on sturdy twin columns providing highly repeatable height measurements and stability.
- Easy reading with dual directional negative and positive reading mechanical digital counters.
- Rotating dial face.
- Independently set the counters, to zero at any position.
- Large feed wheel for rapid and precise adjustment.
- Tungsten carbide tipped scriber for accurate marking out.
- Manufactured from durable stainless steel.

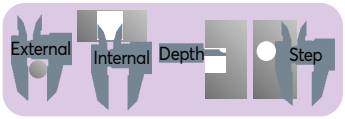
**Reading**
Inch:
0.001"/0.1"
Metric:
0.01mm/
1mm

| Range | Product Number | Range/ Rev | Weight each | Order Code **OXD-330** |
|---|---|---|---|---|
| 300mm | DHG000 | 1mm | 4.25kg | **-3620K** |
| 600mm | DHG000 | 1mm | 10kg | **-3740K** |

## OXFORD PRECISION Dial Calipers

Rack covers prevent dust from fouling teeth of racks. All measuring faces are precision ground and micro lapped for absolute inside, outside, depth and step readings. Manufactured to DIN 862.

- Dial rotates for zero adjustment
- Fine adjustment thumb wheel



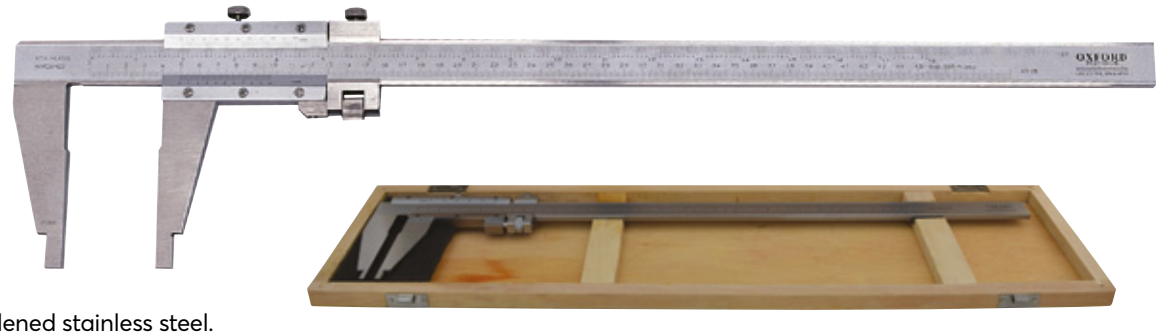
| Range | Resolution | Accuracy (mm) | Order Code **OXD-330** |
|---|---|---|---|
| 6" | 0.001" | ±.001" | **-6060K** |
| 8" | 0.001" | ±.002" | **-6080K** |
| 150mm | 0.05mm | ±.05mm | **-6320K** |
| 200mm | 0.05mm | ±.05mm | **-6324K** |
| 300mm | 0.05mm | ±.05mm | **-6328K** |

# VERNIER CALIPERS



## OXFORD PRECISION Heavy Duty Vernier Calipers

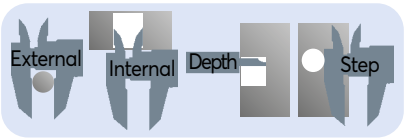
Give inside and outside readings. Dual reading scale (metric and inch) with 14° bevelled vernier scale for reduced parallax reading error, fine adjustment assembly and knurled locking nut. Internal reading edges have rounded faces for accurate bore measurement. Manufactured from hardened stainless steel.

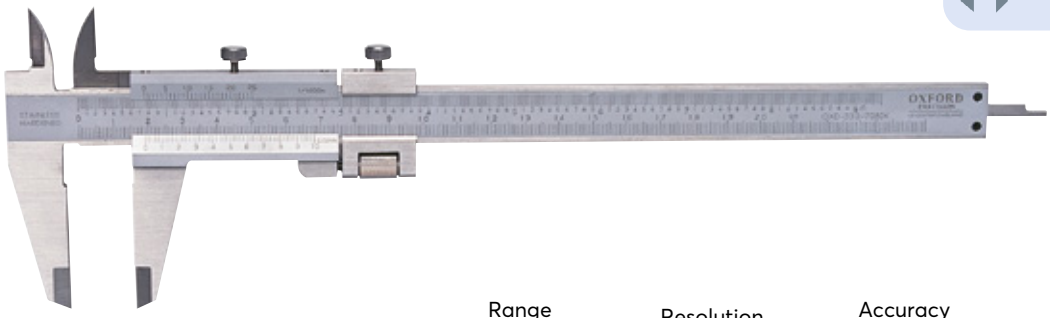


| Range | Resolution | Accuracy (mm) | Weight each | Order Code **OXD-330** |
|---|---|---|---|---|
| 450mm/18" | 0.02/0.001 | ±0.1 | 2.25kg | **-7258K** |
| 600mm/24" | 0.02/0.001 | ±0.1 | 2.40kg | **-7262K** |

## OXFORD PRECISION Fine Adjustment Vernier Calipers

Give four types of reading, inside, outside, depth and step. Dual reading scale (metric and inch) with 14° bevelled vernier scale for reduced parallax reading error, fine adjustment assembly and knurled locking nut. Manufactured from hardened stainless steel for rigidity with satin finish. Conforms to **DIN 862**.



| Range mm/inch | Resolution | Accuracy (mm) | Weight each | Order Code **OXD-330** |
|---|---|---|---|---|
| 130/5" | 0.02/.001" | ±0.03 | 190g | **-7250K** |
| 280/11" | 0.02/.001" | ±0.03 | 470g | **-7254K** |

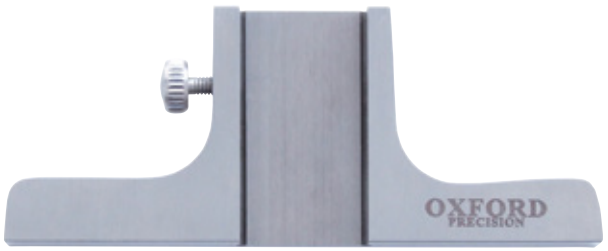
## OXFORD PRECISION Standard Vernier Callipers

- Give four types of reading - inside, outside, depth and step
- Dual reading scale in metric and imperial
- 14° bevelled vernier scale to reduce parallax reading error
- Manufactured in satin finish from hardened stainless steel for rigidity

| Range | Resolution | Accuracy (mm) | Weight each | Order Code **OXD-330** |
|---|---|---|---|---|
| 6" | 0.001" | ±.003" | 310g | **-7440K** |
| 8" | 0.001" | ±.003" | 480g | **-7444K** |
| 12" | 0.05mm | ±.04" | 750g | **-7448K** |

## OXFORD PRECISION Precision Depth Gauge Attachment

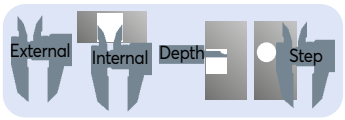
Stainless steel depth gauge attachment for use with 150 and 200mm (6" and 8") depth gauges. 16mm vernier recess width with knurled locking nut.




| Méret | Models suited (mm) | Order Code **OXD-330** |
|---|---|---|
| 75mm | 150/200 | **-9600K** |

## SENATOR QUALITY TOOLING Digital Calipers

- Large display for clarity
- Fast response speed
- Zero reset
- Knurled thumb grip for precise movement
- Dual readout in mm and inch

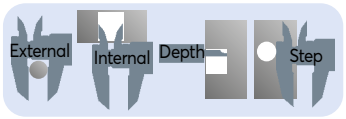


| Range | Resolution | Accuracy (mm) | Order Code **SEN-331** |
|---|---|---|---|
| 150mm/6" | 0.01mm | ±0.03 | **-1212K** |
| 200mm/8" | 0.01mm | ±0.03 | **-1216K** |
| 300mm/12" | 0.01mm | ±0.03 | **-1220K** |

## SENATOR QUALITY TOOLING Polycal Digital Caliper

For taking outside, inside, step and depth measurements. Measurement conversion in inches, millimetres and fractions. Uses one CR2032 3V battery. Conforms to **EN 61000-6-3: 2007** and **EN 61000-6-1:2007**.

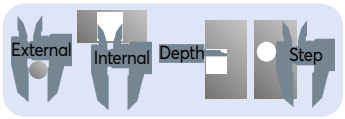
**Measuring range:**
0-150mm/0-6"
**Resolution:**
0.01mm/0.0005"
**Accuracy:**
±0.02mm/±0.008"



| Range | Resolution | Accuracy (mm) | Order Code **SEN-331** |
|---|---|---|---|
| 150mm/6" | 0.01mm | ±0.2 | **-1700K** |

## OXFORD PRECISION Digital ABS Electronic Calipers

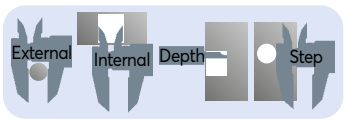
- Stainless Steel Blade and Jaws - made to last
- Metric and Imperial Scales
- LCD Display
- Highly accurate to +/- 0.02mm
- Absolute and Relative Measuring

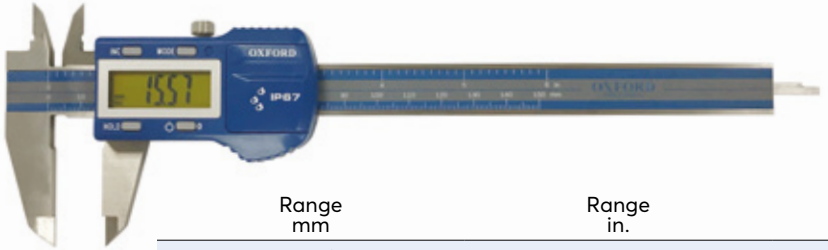


| Range mm | Range in | Order Code **OXD-331** |
|---|---|---|
| 0 - 150 | 0 - 6 | **-2326K** |
| 0 - 200 | 0 - 8 | **-2330K** |
| 0 - 300 | 0 - 12 | **-2334K** |

## OXFORD PRECISION Coolant-Proof Digital Calipers

- Coolant, water and dust proof to IP67 level
- Large LCD display
- Fast response speed
- Dual readout in mm and inch
- Stainless Steel
- **Resolution:** 0.01mm
- **Resolution:** 0.0005"
- **Accuracy:** ±0.02mm
- **Accuracy:** ±0.001"




| Range mm | Range in. | Order Code **OXD-331** |
|---|---|---|
| 0 - 6 | 0 - 150 | **-7420K** |
| 0 - 8 | 0 - 200 | **-7424K** |
| 0 - 12 | 0 - 300 | **-7428K** |

# DIGITAL PROTRACTORS / INDICATORS



## KENNEDY Digital Protractor

Has a range of 360° split into 4 x 90° quadrants. Simple to calibrate and the intelligent display changes orientation at 90° and 270° to remain readable. It has a 'V' groove on the top and bottom for easy placement on acute angled or cylindrical objects. 3V lithium battery gives up to 2000 hours use. Complete with a leatherette pouch that has a belt loop.

| Product Number | Range | Resolution | Order Code **KEN-331** |
|---|---|---|---|
| PDV360 | 360° (90° x 4) | 0.1° | **-4020K** |

## OXFORD PRECISION Digital M/F Indicator

Large, easy-read 7.5mm LCD display. Inch/mm convertible.
ZERO reset button.
Absolute measuring / Relative reading.
Auto power off.

**Response speed:**
0.5m/s.
**Travel:** 12.7mm/0.5".
**Resolution:**
0.001mm / 0.00005".

| Range | Order Code **OXD-331** |
|---|---|
| 0-12.7mm/0-0.5" | **-6040K** |

# DIGITAL MICROMETERS / DEPTH GAUGES



## OXFORD PRECISION Digital External Micrometers

Featuring large digital display and carbide tipped measuring faces. With ball end cap for measuring curved surfaces, auto power on/off and mm/inch conversion. Ratchet stop for consistent measurement and locking device. Complete with case, spanner and battery.

IP65

| Range | Resolution | Accuracy | Order Code OXD-331 |
|---|---|---|---|
| 0-25mm/0-1" | 0.001mm | +/-0.002mm | **-3500K** |
| 25-50mm/1-2" | 0.001mm | +/-0.002mm | **-3510K** |
| 50-75mm/2-3" | 0.001mm | +/-0.003mm | **-3520K** |
| 75-100mm/3-4" | 0.001mm | +/-0.003mm | **-3530K** |

## OXFORD PRECISION Digital Depth Gauge 0-150mm/0-6in.

- Large digital display for easy reading
- Fitted with a thumb wheel for greater accuracy
- Zero set at any point

IP54 **Protected against dust ingress and fluid splash**

**inch mm** CONVERTIBLE | **ZERO RESET** | **READING** | **SPARE BATTERY**

| Range mm | Range in. | Resolution mm | Resolution in. | Accuracy mm | Order Code OXD-331 |
|---|---|---|---|---|---|
| 0 - 150 | 0 - 6 | 0.01 | 0.0005 | ±0.03 mm / ±0.001 | **-4062K** |

# MAGNETIC BASES & COMPARATOR STANDS

## KENNEDY® Permanent Mag Stand

**Mini-Mag Stand**
With one magnetic face. Light duty with standard clamp, 30mm diameter keeper.

**Mounts:** 1/4" I/D lug, stem/spigot diameter: 5/16".
**Column height x dia.:** 120 x 6.3mm.
**Clamp hole:** 8mm.
**Magnetic pull:** 14.75kg.
**Base dimensions:** 30 x 35mm.

| Overall Height | Weight each | Order Code KEN-333 |
|---|---|---|
| 150mm | 320g | -2010K |

## KENNEDY®

## Lever Switchable Universal 2 Mag Stand

With two magnetic faces and large vee. Heavy duty with universal clamp.

**Mounts:** 1/4" I/D lug, stem/spigot diameter: 1/4" and 1/8".
**Column height x dia.:** 175 x 12mm.
**Crossbar length x dia.:** 165 x 10mm.
**Clamp ring:** 6.35mm.
**Magnetic pull:** 50kg.
**Base dimensions:** 60 x 50 x 55mm.

| Overall Height | Weight each | Order Code KEN-333 |
|---|---|---|
| 230mm | 1.2kg | -2030K |

## KENNEDY®

## Lever Switchable Fine Adjustable 2 Mag Stand

With two magnetic faces and large vee. Heavy duty with universal clamp and fine adjustment.

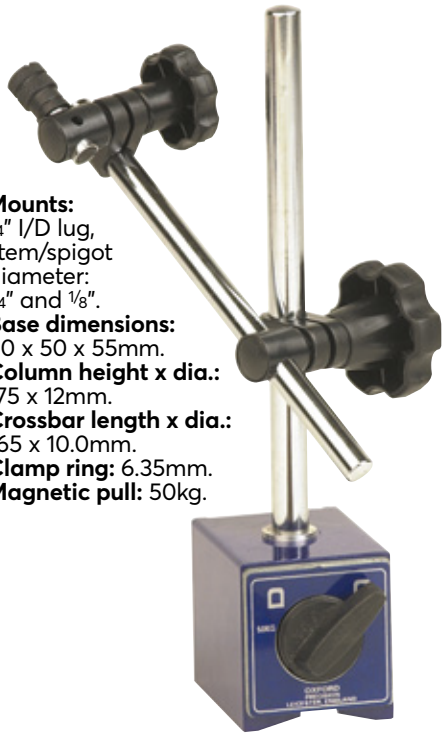
**Mounts:** 1/4" I/D lug, stem/spigot diameter: 4mm, 8mm, 3/8" without bush.
**Base dimensions:** 60 x 50 x 55mm.
**Column height x dia.:** 175 x 12mm.
**Crossbar length x dia.:** 165 x 10mm.
**Clamp ring:** 6.35mm.
**Magnetic pull:** 50kg.

| Overall Height | Weight each | Order Code KEN-333 |
|---|---|---|
| 230mm | 1.2kg | -2050K |

## OXFORD PRECISION Universal 2 Mag Stand

Lever type, two magnetic faces and large vee. With universal clamp.

**Mounts:** 1/4" I/D lug, stem/spigot diameter: 1/4" and 1/8".
**Base dimensions:** 60 x 50 x 55mm.
**Column height x dia.:** 175 x 12mm.
**Crossbar length x dia.:** 165 x 10.0mm.
**Clamp ring:** 6.35mm.
**Magnetic pull:** 50kg.



| Overall Height | Weight each | Order Code OXD-333 |
|---|---|---|
| 230mm | 1.20kg | -7030K |

## OXFORD PRECISION Precision Fine Adjustment 2 Mag Stand

Lever type two magnetic faces and large vee.
Universal clamp.

**Mounts**: 1/4" I/D lug, stem/spigot diameter: 4mm, 8mm, 3/8" without bush.
**Base dimensions:** 60 x 50 x 55mm.
**Column height x dia.:** 175 x 12mm.
**Crossbar length x dia.:**150 x 10.0mm.
**Clamp ring:** 6.35mm.
**Magnetic pull:** 50kg.

| Overall Height | Weight each | Order Code OXD-333 |
|---|---|---|
| 230mm | 1.20kg | -7050K |

## OXFORD PRECISION Precision Universal 4 Mag Stand

With four magnetic faces, one at 45°. Universal clamp.

**Mounts:** 1/4" I/D lug, stem/spigot diameter: 1/8", 5/16" and 3/8".

**Base dimensions:** 48 x 44 x 51mm.
**Column height x dia.:** 175 x 12mm.
**Crossbar x dia.:** 165 x 10.0mm.
**Clamp ring:** 6.35mm.
**Magnetic pull:** 30kg.

| Overall Height | Weight each | Order Code OXD-333 |
|---|---|---|
| 230mm | 1.20kg | -7100K |

## OXFORD PRECISION Precision Compact 4 Mag Stand

With four magnetic faces, one at 45°. Standard clamp.

**Mounts:** 1/4" I/D lug, stem/spigot diameter: 5/16".

**Base dimensions:** 48 x 44 x 51mm.
**Column height x dia.:** 185 x 12mm.
**Crossbar length x dia.:** 165 x 6.3mm.
**Clamp ring:** 8mm.
**Magnetic pull:** 30kg.

| Overall Height | Weight each | Order Code OXD-333 |
|---|---|---|
| 280mm | 1.90kg | -7080K |

## KENNEDY® Lever Type Base - 50kg

Fitted as standard to **KEN-333-2030K**, **-2050K** and **-2110K** two magnetic faces, bottom and back face.
Large vee for curved surfaces.

**Threaded:** M8 x 1.25mm.
**Base dimensions:** 60 x 50 x 55mm.
**Magnetic pull:** 50kg.

| Magnetic Pull | Weight each | Order Code KEN-333 |
|---|---|---|
| 50kg | 850g | -2240K |

# MAGNETIC BASES & COMPARATOR STANDS



KENNEDY

## Lever Switchable Mini Elbow Joint 2 Mag Stand

Compact in design, this stand has a magnetic pull of 30kg with positive switching, fully adjustable joints and slotted 'V' groove.

**Mounts:**
¼" I/D lug, dovetail stem/spigot diameter: 5/16".
**Base dimensions:**
36 x 30 x 35mm.
**Column height x diameter:**
Up to 150 x 12mm.
**Magnetic pull:** 30kg.

| Mini Elbow Joint | Weight each | Order Code **KEN-333** |
|---|---|---|
| 2 Mag | 420g | **-2140K** |

KENNEDY

## Lever Switchable Elbow Joint 2 Mag Stand

With two magnetic faces and large vee. Medium duty special clamp with fine adjustment.
**Mounts:**
¼" I/D lug, dovetail stem/spigot diameter: 5/16".
**Base dimensions:**
60 x 50 x 55mm.
**Column height x diameter:**
Up to 280 x 15mm.
**Clamp ring:** 6.35mm.
**Magnetic pull:** 50kg.

| Elbow Joint | Weight each | Order Code **KEN-333** |
|---|---|---|
| 2 Mag | 1.2kg | **-2110K** |

KENNEDY

## Universal 4 Mag Stand

With four magnetic faces, one at 45°. Heavy duty with universal clamp.
**Mounts:**
¼" I/D lug, stem/spigot diameter: 1/8", 5/16" and 3/8".
**Base dimensions:**
48 x 44 x 51mm.
**Column height x diameter:**
175 x 12mm.

**Crossbar length x diameter:**
165 x 10.0mm.
**Clamp ring:** 8mm.
**Magnetic pull:** 30kg.

| Overall Height | Weight each | Order Code **KEN-333** |
|---|---|---|
| 227mm | 0.90kg | **-2100K** |

KENNEDY

## Lever Switchable Large Elbow Joint 2 Mag Stand

Large stand with two powerful magnetic faces producing a magnetic pull of 80kg. Positive switching, fully adjustable joints and slotted 'V' groove for versatility.

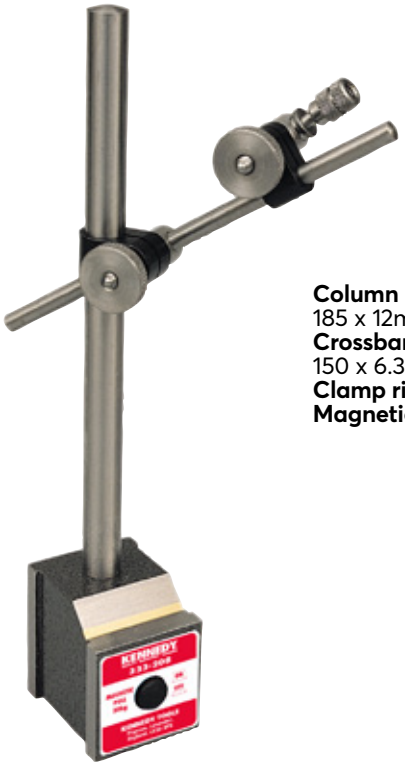
**Mounts:**
¼" I/D lug, dovetail stem/spigot diameter: 5/16".
**Base dimensions:**
60 x 50 x 55mm.
**Column height x diameter:**
Up to 300 x 17mm.
**Magnetic pull:**
80kg.

| Large Elbow Joint | Weight each | Order Code **KEN-333** |
|---|---|---|
| 2 Mag | 1.62kg | **-2150K** |

KENNEDY

## Compact 4 Mag Stand

With four magnetic faces, one at 45°. Medium duty with standard clamp.
**Mounts:** ¼" I/D lug, stem/spigot diameter: 5/16".
**Base dimensions:** 48 x 44 x 51mm.



**Column height x diameter:**
185 x 12mm.
**Crossbar length x diameter:**
150 x 6.3mm.
**Clamp ring:** 8mm.
**Magnetic pull:** 30kg.

| Overall Height | Weight each | Order Code **KEN-333** |
|---|---|---|
| 273mm | 0.89kg | **-2080K** |

# MAGNETIC BASES & COMPARATOR STANDS



## KENNEDY® Light Duty Fitment - Plain

- Interchangeable with Kennedy, Oxford, Mitutoyo etc. base units
- Column: 6.3 x 120mm
- Clamp hole: 8mm
- Threaded: M5

*Fitted as standard to E909 Kennedy Mini-Mag Stand

| 6.3mm Standard Clamp To Suit | Weight each | Order Code KEN-333 |
|---|---|---|
| 1/4" I/D Lug, Stem/Spigot Dia. 5/16" | 90g | -2500K |

## KENNEDY® Medium Duty Fitment - 3 Point

Fitted as standard to **KEN-333-2110K**. **(See page page 181).**

**3 point adjustable column:** 15 x 280mm max.
**Clamp hole:** 8mm.
**Threaded:** M8 x 1.25mm.

| 3 Point Special Clamp To Suit | Weight each | Order Code KEN-333 |
|---|---|---|
| 1/4" I/D Lug, Dovetails Stem/Spigot Dia. 5/16" | 312g | -2480K |

## KENNEDY® Heavy Duty Fitment - Fine Adjusting

Fitted as standard to **KEN- 333-2050K**. **(See page page 180).**

**Column:** 12 x 175mm.
**Cross bar:** 10 x 150mm with fine adjustment.
**Threaded:** M8 x 1.25mm.

| 10mm Universal Clamp To Suit | Weight each | Order Code KEN-333 |
|---|---|---|
| 1/4" I/D Lug, Stem/Spigot Dia.1/8", 1/4", 5/16" & 3/8" | 442g | -2400K |

## KENNEDY® Heavy Duty Fitment - Plain

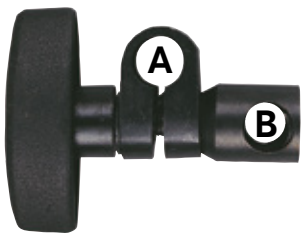
Fitted as standard to **KEN-333-2030K** and **KEN-333-2100K**.

**Column:** 12 x 175mm.
**Cross bar:** 10 x 165mm.
**Threaded:** M8 x 1.25mm.

| 10mm Universal Clamp To Suit | Weight each | Order Code KEN-333 |
|---|---|---|
| 1/4" I/D Lug, Stem/Spigot Dia. 1/8", 1/4", 5/16" & 3/8" | 400g | -2420K |

### Spare Knuckle Assemblies

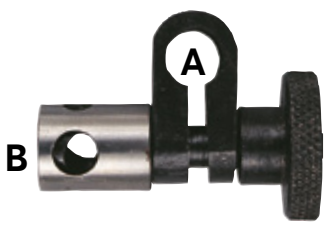
For connecting columns and crossbars.




| Accepts A & B (dia.) | Weight each | Order Code KEN-333 |
|---|---|---|
| 12 & 10mm | 60g | -2920K |

### Crossbar Assemblies

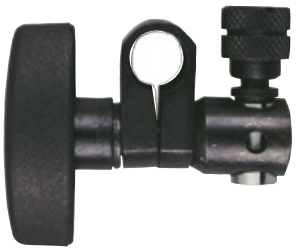
For connecting columns and crossbars.




| Accepts A & B (dia.) | Weight each | Order Code KEN-333 |
|---|---|---|
| 1/8"& 1/4" Spigot To Fit 10mm Bar | 85g | -3640K |

### Crossbar Assemblies

With lug adaptor. 1/4" I/D lug.



| Accepts | Weight each | Order Code KEN-333 |
|---|---|---|
| 4 & 10mm Spigot To Fit 10mm Bar | 85g | -3020K |
| 4 & 8mm Spigot To Fit 12mm Bar | 85g | -3040K |

### Crossbar Assemblies

With lug adaptor. 1/4" I/D lug.

| Accepts | Weight each | Order Code KEN-333 |
|---|---|---|
| 5/16"& 1/4" Spigot To Fit 10mm Bar | 50g | -3000K |

## KENNEDY Enamelled Frame External Micrometers

Enamelled frame and tungsten carbide tipped anvils.
Manufactured to **BS 870**.
Supplied in a durable plastic case.

**Accuracy:**
**Flatness:** 0.6mm.
**Parallelism:** (2 + L/100) µm (fraction rounded down).
**Instrumental error:**
±(1 + L/75) µm
(fraction rounded up).
L = maximum measuring length.

**Metric**

| Range | Resolution | Order Code KEN-335 |
|---|---|---|
| 0 - 25mm | 0.01mm | -0010K |
| 25 - 50mm | | -0020K |
| 50 - 75mm | | -0030K |
| 75 - 100mm | | -0040K |
| 100 - 125mm | | -0050K |
| 125 - 150mm | | -0060K |

## OXFORD PRECISION External Micrometer Sets

With enamelled frame and tungsten carbide tipped anvils and fine adjustment ratchet. Supplied in plastic fitted bench case.

**Contents:**
**-5500K**
0 - 25mm, 25 - 50mm,
50 - 75mm and 75 - 100mm external micrometers,
25mm, 50mm and 75mm micrometer setting standards,
two micrometer setting spanners.

**-6600K**
0 - 1", 1 - 2", 2 - 3" and 3 - 4" external micrometers,
1", 2" and 3" micrometer setting standards,
two micrometer setting spanners.

| Range | Resolution | Order Code OXD-335 |
|---|---|---|
| 0 - 100mm | 0.01mm | -5500K |
| 0 - 4" | 0.0001" | -6600K |

# EXTERNAL MICROMETERS



## Enamelled Frame External Micrometers

With enamelled frame and tungsten carbide tipped anvils. High quality fitted metal case with adjusting spanner. Sizes 25 - 50mm/1 - 2" and over supplied with setting standard. Manufactured to **BS 870**.
**All supplied in a impact resistant fitted plastic case.**

**Sizes 25 - 50mm/1 - 2" and over supplied with setting standard.**

| Range | Resolution | Order Code **OXD-335** |
|---|---|---|
| | **Metric** | |
| 0 - 25mm | 0.01mm | **-5010K** |
| 25 - 50mm | 0.01mm | **-5020K** |
| 50 - 75mm | 0.01mm | **-5030K** |
| 75 - 100mm | 0.01mm | **-5040K** |
| 100 - 125mm | 0.01mm | **-5050K** |
| 125 - 150mm | 0.01mm | **-5060K** |
| 150 - 175mm | 0.01mm | **-5070K** |
| 175 - 200mm | 0.01mm | **-5080K** |
| 200 - 225mm | 0.01mm | **-5090K** |
| 225 - 250mm | 0.01mm | **-5100K** |
| 250 - 275mm | 0.01mm | **-5110K** |
| 275 - 300mm | 0.01mm | **-5120K** |
| | **Inch** | |
| 0 - 1" | 0.001" | **-6010K** |
| 1 - 2" | 0.001" | **-6020K** |
| 2 - 3" | 0.001" | **-6030K** |
| 3 - 4" | 0.001" | **-6040K** |
| 4 - 5" | 0.001" | **-6050K** |
| 5 - 6" | 0.001" | **-6060K** |

## Mechanical Digital Micrometer - 0 - 25mm

Direct reading external micrometer for quick and easy reading. With enamelled frame and tungsten carbide precision ground micro finish measuring faces.

**Measuring range:** 0 - 25mm.
**Resolution:** 0.01mm, 0.5mm screw pitch with lock.

**Supplied in a robust case with setting key, with fitted heat shield on frame.**




| Range | Resolution | Order Code **OXD-335** |
|---|---|---|
| 0 - 25mm | 0.01 | **-4100K** |

## Blade Micrometers - Metric

- Graduations: 0.010mm
- Blade-shaped anvil
- Lightweight workshop design
- Enamel finished frame
- Ratchet stop
- Complete with case

| Range | Resolution | Order Code **OXD-335** |
|---|---|---|
| 0 - 25mm | 0.01mm | **-5310K** |

## OXFORD PRECISION Interchangeable Anvil Micrometers

Carbide tipped spindle faces. Hardened and ground anvils.
Supplied in metal case with adjusting spanner.
Four anvils and three setting standards.

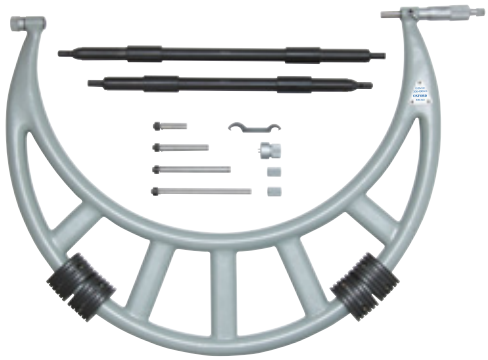
**Accuracy:** ±(4+L/75)mm.
**Measuring faces flatness:** ±0.6mm.
**Parallelism:** (2+L/100)mm.

| Range | Resolution | Order Code **OXD-335** |
|---|---|---|
| 0 - 100mm | 0.01mm | **-3000K** |
| 0 - 150mm | 0.01mm | **-3020K** |

## OXFORD PRECISION Precision Interchangeable Anvil Micrometers

Oxford's versatile range of micrometers with interchangeable anvils with ratchet top, lock, setting standards and wooden case.
Rigid and stable cast iron frame that is perforated for lightness.

**Accuracy:** +/-0.008mm.
**Graduations:** 0.001mm.



| Product Number | Range | Order Code **OXD-335** |
|---|---|---|
| 2425-0400 | 300 - 400mm | **-3100K** |
| 2425-0500 | 400 - 500mm | **-3120K** |
| 2425-0600 | 500 - 600mm | **-3140K** |

## KENNEDY Micrometer Stand

- Keeps hands free whilst working
- Cast iron build
- 90° pivoting

| Product Number | Weight each | Order Code **KEN-335** |
|---|---|---|
| SMS230 | 980g | **-7230M** |

## OXFORD PRECISION 30° Anvil Micrometers

Used for measuring within small grooves or recesses and for quick comparisons of thread accuracy in screw cutting operations.
With knurled thimble, ratchet stop and thumb lock. Enamelled frame with satin chromed finish barrel and sleeve.

**Measuring range:** 0 - 25mm.
**Resolution:** 0.01mm.

| Accuracy | Order Code **OXD-335** |
|---|---|
| +/-0.003 | **-3520K** |

# DEPTH MICROMETERS

## OXFORD PRECISION 3-Point Internal Micrometer Sets, Metric

Possessing an accuracy of 0.004mm and graduation of 0.0001mm, these 3 point metric internal micrometers are a simple, reliable and highly effective way of measuring the inner diameters of holes for precision working. Available as a set of 2 micrometers and 1 rod or 3 micrometers and 2 rods, each accessory and tool in the set is chrome plated to create a robust product.

Features and Benefits
- Measurement can be taken closer to the bottom of the blind bore, and can be taken into a deep hole with the accompanying extension rods
- Self-centering for easy and speedy working
- Chrome plated for bolstered resistance to corrosion as well as wear and tear
- Available as a set of 2 micrometers and 1 rod or 3 micrometers and 2 rods depending on your preferences and needs

Contents
- OXD3352540K:
- 1 x Micrometer 12-16mm
- 1 x Micrometer 16-20mm
- 2 x Spanners
- 1 x Calibration Ring 16mm
- 1 x Extension Rod
- 1 x Hex Key
- OXD3352550K:
- 1 x Micrometer 20-25mm
- 1 x Micrometer 25-30mm
- 1 x Micrometer 30-40mm
- 1 x Calibration Ring 40mm
- 1 x Calibration Ring 25mm
- 2 x Extension Rods
- 2 x Spanners
- 1 x Hex Key

Typical Applications
- Engineering
- Construction
- Manufacturing

| Range mm | No. Rods | Includes | Order Code **OXD-335** |
|---|---|---|---|
| 12 - 20 | 1 | 1 x Micrometer 12-16mm ; 1 x Micrometer 16-20mm ; 2 x Spanners ; 1 x Calibration Ring 16mm ; 1 x Extension Rod ; 1 x Hex Key | **-2540K** |
| 20 - 40 | 2 | 1 x Micrometer 20-25mm ; 1 x Micrometer 25-30mm ; 1 x Micrometer 30-40mm ; 1 x Calibration Ring 40mm ; 1 x Calibration Ring 25mm ; 2 x Extension Rods ; 2 x Spanners ; 1 x Hex Key | **-2550K** |

## OXFORD PRECISION Fixed Rod Depth Micrometers

Ideal for low-range measurements, this non-digital depth micrometer has a 63 or 100mm hardened tool steel base and satin chrome finish. Includes a 'constant force attachment' for use when fitting the interchangeable rods and supplied in a handy case.

| Accuracy | Range | Base Size | Order Code **OXD-335** |
|---|---|---|---|
| 4 µm (microns) | 0 - 25mm | 63mm | **-3310K** |
| 4 µm (microns) | 0 - 25mm | 100mm | **-3330K** |

## OXFORD PRECISION Micrometer Head

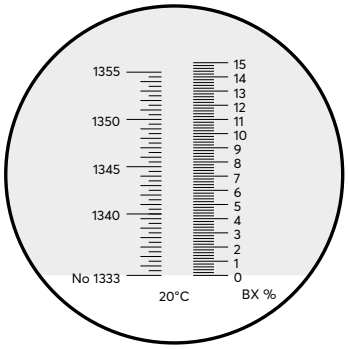
**Spherical Face**
Supplied with setting keys.

**Spindle diameter:** 5mm.
**Spindle housing diameter:** 9.5mm.
**Main body diameter:** 14mm.
**Accuracy:** 0.004mm.
**Range:** 0 - 13mm.
**Resolution:** 0.01mm.

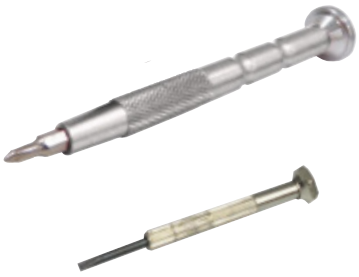
| Range | Resolution | Order Code **OXD-335** |
|---|---|---|
| 0 - 13mm | 0.01mm | **-8200K** |

## OXFORD PRECISION Portable Optical Refractometer

For determining the concentration of oil in water emulsions and transparent solutions, such as machine shop coolant.
Maintaining the correct mixture in coolant systems is vital to ensure optimum performance from cutting tools.
To protect the machine and workpiece from corrosion and to reduce the risk of health hazards arising from incorrect concentrations of water soluble oils.
To economise the use of water base cutting fluids and grinding fluids.




**Calibrated Refractive Scale**



**Specifications:**
**Range ND:** 1.333 - 1.356. Bx: 0 - 15%.
**Eyepiece magnification:** 11x.
**Telescopic lens magnification:** 4x.
**Accuracy:** ±0.0003 ±0.2%.
**Lattic value:** 0.0005 0.2%.
Supplied in fitted plastic case complete with calibration screwdriver and operator manual.

**Refractometer**

| Dimensions | Order Code **OXD-336** |
|---|---|
| 38 x 38 x 185mm | **-1010K** |

## OXFORD PRECISION Engineer's Levels

Fitted with a main, cross and plumb vial. Precision ground cast base with a v-groove for cylindrical surfaces. The main vial is protected by a rotating shroud and has a sensitivity of one minute.
**Resolution:** 0.3mm per metre and 0.0035" per foot.

| Size (mm) | Order Code **OXD-340** |
|---|---|
| 165 x 34 | **-4940K** |
| 310 x 36 | **-4970K** |

From start to finish

Your No. 1 choice for abrasive supplies

A comprehensive range of abrasive products – all backed with expert knowledge and support.

Visit our website to find out more

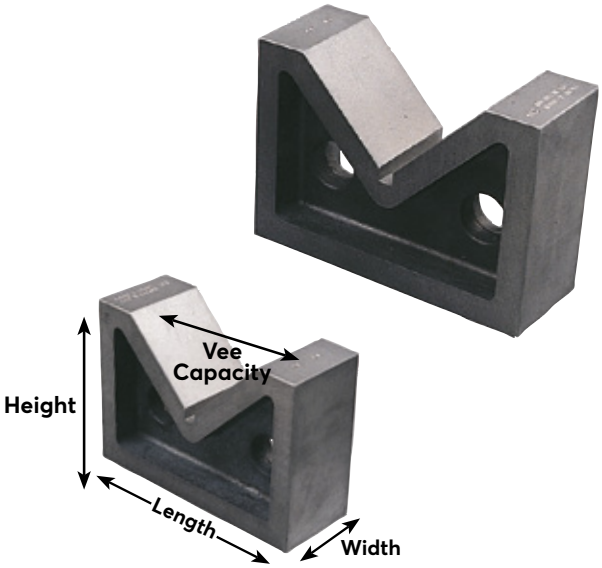
Keeping Industry Working™

# STEEL VEE / MAGNETIC CHUCKS



## OXFORD PRECISION Vee Blocks

Matched and numbered pairs of close grained iron castings accurately machined. Precision 90° vee blocks. Supplied as a pair.




| Dimensions L x W x H | Vee Capacity | Order Code **OXD-370** |
|---|---|---|
| 75 x 33 x 60mm | 45 | **-2110K** |
| 100 x 40 x 65mm | 56 | **-2120K** |
| 125 x 50 x 78mm | 62 | **-2130K** |
| 150 x 62 x 88mm | 78 | **-2140K** |
| 200 x 100 x 140mm | 113 | **-2150K** |
| 250 x 125 x 165mm | 125 | **-2160K** |

## OXFORD PRECISION Workshop Vee Blocks & Clamp

Designed for checking precision machine parts.
Hardened and precision ground steel supplied in matched pairs, each with V-grooves central and parallel to the sides and base ensuring perfect alignment. Complete set with two V-blocks (one pair) and two clamps.

| Dimensions Length x Width x Height | Order Code **OXD-370** |
|---|---|
| 50 x 37 x 37mm | **-2300K** |

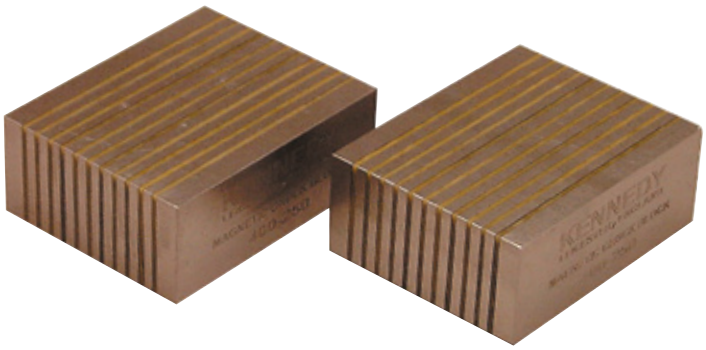
## OXFORD PRECISION Workshop Grade Hollow Ground Vee Blocks & Clamp

Designed for checking precision machine parts. Hardened and precision ground steel supplied in matched pairs, each with V-grooves central and parallel to the sides and base ensuring perfect alignment. Complete set with two V-blocks (one pair) and two clamps.
Supplied with malleable iron clamps with steel screws.

| Dimensions Length x Width x Height | Weight/ Pair | Order Code **OXD-370** |
|---|---|---|
| 31.5 x 40 x 31.5mm | 1.7kg | **-2310K** |

## OXFORD PRECISION Magnetic Chuck Blocks

For use with magnetic chucks that have parallel poles, so that the magnetic field can be extended to hold awkwardly shaped workpieces.
Supplied in matched pairs. Machinable.



| Dimensions W x L x H | Weight each | Order Code **KEN-400** |
|---|---|---|
| 60 x 75 x 30mm | 1.50kg | **-2500K** |

## OXFORD PRECISION Steel Parallels

Hardened and ground steel parallels for workshop use. Supplied in pairs for packing or levelling components prior to machining in tool rooms or machine shops.

**16 Piece Set**
**Contents:** eight pairs of the following sizes:

5 x 16 x 100mm, 6 x 18 x 100mm, 8 x 24 x 100mm, 10 x 30 x 100mm, 12 x 36 x 150mm, 14 x 48 x 150mm, 18 x 60 x 150mm, 22 x 62 x 150mm. And support blocks.

16 PIECES

Order Code
**OXD-372**
**-3600K**

**18 Piece Set**
**Contents:** nine pairs of the following sizes:

10 x 4 x 160mm, 14 x 4 x 160mm, 18 x 4 x 160mm, 22 x 4 x 160mm, 26 x 4 x 160mm, 30 x 4 x 160mm, 34 x 4 x 160mm, 38 x 4 x 160mm, 42 x 4 x 160mm.

Supplied in wooden storage box.

18 PIECES

Order Code
**OXD-372**
**-3620K**

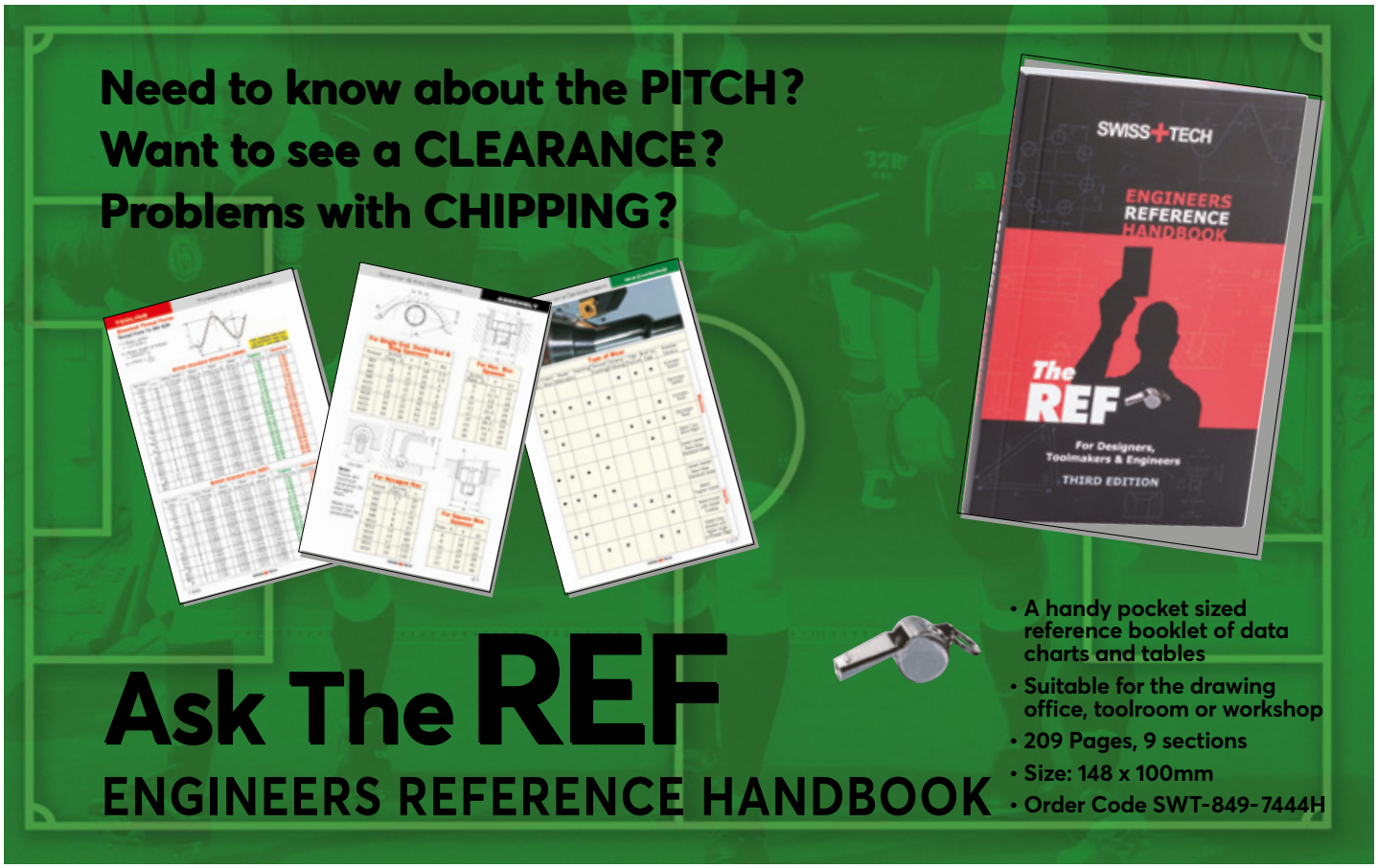
**28 Piece Set**
**Contents:** fourteen pairs of the following sizes:

14 x 10 x 150mm, 16 x 10 x 150mm, 18 x 10 x 150mm, 20 x 10 x 150mm, 22 x 10 x 150mm, 24 x 10 x 150mm, 26 x 10 x 150mm, 28 x 10 x 150mm, 30 x 10 x 150mm, 32 x 10 x 150mm, 35 x 10 x 150mm, 40 x 10 x 150mm, 45 x 10 x 150mm, 50 x 10 x 150mm.

Supplied in wooden storage box.

28 PIECES

Order Code
**OXD-372**
**-3640K**



# Storage & Handling

Keeping Industry Working™

Product Groups

# 404 - 496

# Contents


| Description | Group | Page |
|---|---|---|
| Bin Storage Systems | 404 | **192 - 193** |
| Key Steel | 421 | **197** |
| Racking | 405 | **195** |
| Revolving & Solid Centres | 488 | **220** |
| Wheel Dressers | 495 | **221** |
| Workbenches & Cabinets | 405 | **194** |
| Shims | 415 | **196** |
| Spindle Nose Tooling | 442 | **206** |

| Description | Group | Page |
|---|---|---|
| **WORKHOLDING** | | |
| Bench Sheers | 445 | **216** |
| Bench Vices | 445 | **213 - 214** |
| Clamping Fixtures | 425 | **199 - 205** |
| Coolant Hose | 447 | **217** |
| Die Springs | 460 | **218 - 219** |
| Machine Vices | 445 | **213** |
| Toggle Clamps | 443 | **207 - 212** |
| Toolposts | 445 | **215** |

# BIN STORAGE SYSTEMS

## MATLOCK Euro Containers

Practical Euro boxes, ideal for use wherever hygienic stackable plastic containers play an important role in transport and storage. Resistant to acids and alkaline solutions, cold and heat. Optimal handling due to ergonomic handles. Suitable for conveyor systems.

**Lids supplied separately**
**(No lid available for 800mm box)**

| Size (mm) H x W x L | Order Code MTL-404 |
|---|---|
| 170 x 300 x 400 | -4210K |
| 220 x 300 x 400 | -4212K |
| 170 x 400 x 600 | -4234K |
| 220 x 400 x 600 | -4236K |
| 320 x 400 x 600 | -4240K |
| 220 x 600 x 800 | -4256K |
| 325 x 600 x 800 | -4258K |
| 425 x 600 x 800 | -4260K |

**Lids to suit foldable boxes and euro containers**

| Size (mm) L x W | Order Code MTL-404 |
|---|---|
| 400 x 300mm | -4400K |
| 600 x 400mm | -4402K |

## MATLOCK Euro Foldable Boxes

Foldable storage boxes made from tough grey polypropylene. Compatible in size with the Euro containers (use the same lids) and can be stacked with or without lids. Simple to collapse for space saving storage when not in use.

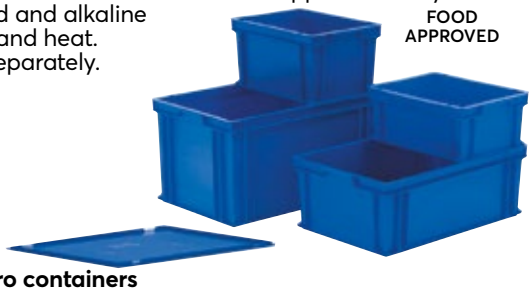
**Lid supplied separately see above**

| Size (mm) H x W x L | Order Code MTL-404 |
|---|---|
| 600 x 400 x 320 | -4330K |

## MATLOCK Heavy Duty Stacking Euro Containers

Our Matlock Range of blue euro stacking containers are built for industrial and commercial use. Made from high grade polypropylene these containers are food approved. They are also resistant to acid and alkaline solutions, cold and heat.
Lids supplied separately.

FOOD APPROVED



**Lids to suit euro containers**

| External Size (mm) (L x W x H) | Order Code MTL-404 |
|---|---|
| 400 x 300 x 170 | -1500K |
| 400 x 300 x 220 | -1510K |
| 600 x 400 x 220 | -1520K |
| 600 x 400 x 320 | -1530K |
| 400 x 300mm | -1540K |
| 600 x 400mm | -1550K |

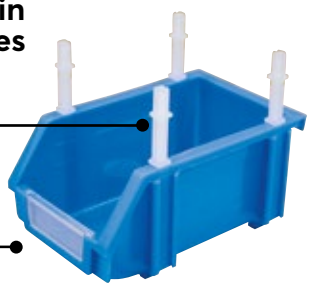
## MATLOCK Heavy Duty Euro Containers Complete with Lids

Heavy duty range of attached lid euro containers available in two sizes - 49.5 litre and 68 litre. These can be nested when not in use to save space and then will stack with the lids closed. Available in black (recycled material), blue or red with black lid. All containers feature ergonomic hand grips and can be sealed using security tags.

| External Size (mm) (L x W x H) | Order Code MTL-404 |
|---|---|
| **Black** | |
| 600 x 400 x 265 | -1600K |
| 600 x 400 x 350 | -1630K |
| **Blue** | |
| 600 x 400 x 265 | -1610K |
| 600 x 400 x 350 | -1640K |
| **Red/Black** | |
| 600 x 400 x 265 | -1620K |
| 600 x 400 x 350 | -1650K |

## MATLOCK Storage Bin Accessories

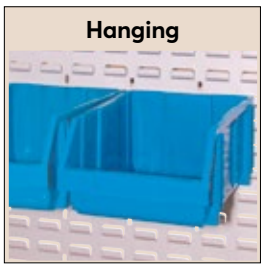
For Matlock storage bins.




| Description | Order Code MTL-404 |
|---|---|
| Set of 4 Riser Rods | -9030K |
| Single Riser rod for No.3A, 4 & 5 Bins | -9040K |
| Label Holder For No.1 Bins | -3560K |
| Label Holder For No.2 & 3 Bins | -3565K |
| Label Holder For No.3A, 4 & 5 Bins | -3570K |

## MATLOCK Plastic Storage Bins

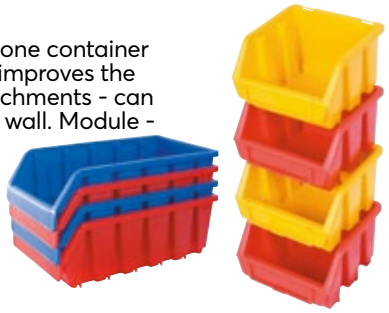
Manufactured from high strength polypropylene. Fit on standard louvre panel, interlocking design. Supplied with risers and label holders.



| Size | External Size (mm) H x W x D | Box Quantity | Order Code MTL-404 Blue | Green | Red | Yellow |
|---|---|---|---|---|---|---|
| No.0 | 53 x 85 x 130 | 300 | -1060B | -1060G | -1060R | -1060Y |
| No.1 | 80 x 104 x 163 | 100 | -1065B | -1065G | -1065R | -1065Y |
| No.2 | 132 x 157 x 237 | 64 | -1070B | -1070G | -1070R | -1070Y |
| No.3 | 165 x 222 x 278 | 24 | -1075B | -1075G | -1075R | -1075Y |
| No.3A | 184 x 280 x 350 | 8 | -1077B | -1077G | -1077R | -1077Y |
| No.4 | 184 x 280 x 425 | 12 | -1080B | -1080G | -1080R | -1080Y |
| No.5 | 260 x 280 x 425 | 8 | -1085B | -1085G | -1085R | -1085Y |

## MATLOCK Heavy Duty Plastic Storage Bins

Ergonomic packing - storing one container inside another exceptionally improves the logistics of packing. Slat attachments - can be attached with screws to a wall. Module - special clasps make it possible to create a wall of module boxes. Space for a label.



| Size (mm) H x W x L | Order Code MTL-404 Blue | Green | Yellow | Red |
|---|---|---|---|---|
| 75 x 116 x 112 | -2130K | - | -2160K | -2150K |
| 75 x 116 x 161 | -2170K | - | -2200K | -2190K |
| 75 x 116 x 212 | -2210K | -2220K | -2240K | -2230K |
| 126 x 170 x 240 | -2250K | -2260K | -2280K | -2270K |
| 155 x 204 x 340 | -2290K | -2300K | -2320K | -2310K |
| 187 x 330 x 500 | -2330K | -2340K | -2360K | -2350K |

## SENATOR QUALITY TOOLING Plastic Storage Bins

High strength polypropylene storage bins with label holders, designed for component or part storage. Bins can stand alone, be nested on top of each other or hung on louvred panels, allowing you to create the storage system to satisfy your specific requirements. Available in three sizes and four different colours blue, green, yellow and red.

| Product Number | Size (mm) H x W x L | Pack Qty | Order Code SEN-404 Blue | Green | Yellow | Red |
|---|---|---|---|---|---|---|
| Sen1 | 75 x 110 x 165 | 35 | -1010B | -1010G | -1010Y | -1010R |
| Sen2 | 125 x 155 x 240 | 35 | -1020B | -1020G | -1020Y | -1020R |
| Sen3A | 165 x 220 x 350 | 10 | -1040B | -1040G | -1040Y | -1040R |

## MATLOCK Heavy Duty Bin/Rack Set

Each set comes with a fixing wall, a useful, wide plate which attaches to the wall with screws and can fit several containers of different sizes. Mounting of the boxes is based on an overlap system. It enables firm and stable fastening to the fixing wall, and quick removal when needed.

**10 Piece Set**
Contains 1 fixing wall,
3 blue bins,
3 black bins and
3 red bins.

**20 Piece Set**
Contains 2 fixing walls,
6 blue bins,
6 black bins and
6 red bins.

10 PIECES

| Item | Overall Size (mm) | Order Code MTL-404 |
|---|---|---|
| 10 Piece Set | 345 x 385 x 90 | -2110K |
| 20 Piece Set | 345 x 385 x 160 | -2120K |

## MATLOCK 'Anti-Bump' Locking Clips

Made from zinc plated spring steel. Designed for use with Matlock louvre panels and bins. Effectively locks the bin into place on the panel to avoid accidental 'knock-off'. Also ideal for use on panels fitted to vans to avoid bins coming dislodged due to the effects of cornering and bumpy ground/road surfaces.

PACK OF 10

| Order Code MTL-404 |
|---|
| -9100K |

## MATLOCK Locking Cabinet with Shelf & Workbench

Lockable storage cabinet with two shelves and two open shelves for additional storage.
**Max shelf/drawer capacity:** 25kg.
**Max cabinet capacity:** 180kg.

**Shelf Capacity 25 kg Uniformly Distributed**

SELF ASSEMBLY TOOLS REQUIRED

| Size (mm) H x W x D | Weight | Order Code SEN-405 |
|---|---|---|
| 865 x 1372 x 508 | 48.5kg | -5040K |

## MATLOCK 5 Drawer Cabinet & Shelved Workbench

The five drawers have a smooth action sliding mechanism.Two open shelves for additional storage.
**Max shelf drawer capacity:** 25kg.
**Max cabinet capacity:** 180kg.

**Shelf Capacity 25kg Uniformly Distributed**

SELF ASSEMBLY TOOLS REQUIRED

| Size (mm) H x W x D | Weight | Order Code SEN-405 |
|---|---|---|
| 865 x 1372 x 508 | 61.0kg | -5050K |

## KENNEDY® 2 Drawer Workbench

Professional quality two drawer workbench constructed from heavy gauge steel for sturdy long-term use. Ideal for a range of workshop and industrial applications. Drawers are lockable and fitted with smooth glide drawer runners. Full length storage shelf. Quick and easy assembly. Powder coated finish.

**Shelf Capacity 40kg Uniformly Distributed**

SELF ASSEMBLY TOOLS REQUIRED

| Size (mm) H x W x D | Weight | Order Code KEN-405 |
|---|---|---|
| 865 x 1500 x 640 | 77.4kg | -2320K |

## MATLOCK Standard Duty Racking

**5 Shelves**

This racking system has uprights and beams made of medium gauge steel with a corrosion resistant powder coating and rubber feet to protect the floor. It is easy to assemble, interlocking with no nuts and bolts to worry about. The shelves are easily adjustable and can take up to 100kg UDL (uniformly distributed load) with the rack being fixed to a wall.

Supplied with wooden shelves.

SELF ASSEMBLY Tools Required

| Size (mm) H x W x D | Max. Shelf Capacity | Number of Shelves | Order Code MTL-405 |
|---|---|---|---|
| 1830 x 1010 x 400 | 100kg | 5 | -1760K |

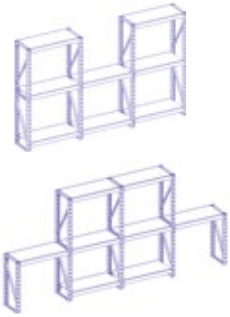
## MATLOCK Heavy Duty Racking

**4 Shelves**

This racking system can be assembled in five ways and has uprights and beams made of heavy gauge steel with a corrosion resistant powder coating and rubber feet to protect the floor. It is easy to assemble, interlocking with just two nuts and bolts joining one upright frame to the next. The 430mm deep shelves are easily adjustable and can take up to 455kg UDL (uniformly distributed load) with the rack being fixed to a wall.

**Assembly options**

**Extended assembly requires 2x - 1660K**



SELF ASSEMBLY Tools Required

| Size (mm) H x W x D | Max. Shelf Capacity | Number of Shelves | Order Code MTL-405 |
|---|---|---|---|
| 1830 x 1040 x 430 | 455kg | 4 | -1660K |

## MATLOCK Heavy Duty Racking

**5 Shelves**

This racking system has two ways of assembly with uprights and beams made of heavy gauge steel with a corrosion resistant powder coating and rubber feet to protect the floor. It is easy to assemble, interlocking 'keyhole' slots, no nuts and bolts. The shelves are easily adjustable and can take up to 318kg UDL (uniformly distributed load) with the rack being fixed to a wall.

-1780K

**Assembly options**

SELF ASSEMBLY Tools Required

| Size (mm) H x W x D | Max. Shelf Capacity | Number of Shelves | Order Code MTL-405 |
|---|---|---|---|
| 1830 x 915 x 460 | 318kg | 5 | -1740K |
| 1830 x 1230 x 610 | 318kg | 5 | -1780K |

## MATLOCK Quick Assembly Shelving

**5 Shelves**

Quick and easy to erect - no nuts or bolts.
265kg (MDF) shelf capacity. Tested and certified to European GS standards. Complete with 5 shelves with strong uprights and beam profiles, finished in high quality epoxy powder coated paint.

Shelf Capacity 265kg Uniformly Distributed Load

SELF ASSEMBLY Tools Required

| Size (mm) H x W x D | Order Code MTL-405 |
|---|---|
| 1770 x 900 x 450 | -1788K |

## Steel Shims, Metric

- Available in a variety of thicknesses to suit your needs
- Each product is supplied in a tube for ease of storage
- Manufactured from durable steel for product longevity
- Each roll is 2.5 metres long to ensure you have an ample amount for multiple applications

| Thickness mm | Order Code TPN-415 |
|---|---|
| 0.05 | -0001Z |
| 0.1 | -0002A |
| 0.15 | -0002B |
| 0.2 | -0002C |
| 0.25 | -0002D |
| 0.3 | -0002E |
| 0.4 | -0002F |
| 0.5 | -0002G |
| 0.65 | -0002H |
| 0.8 | -0002J |

## Steel Shim Pack, 8-Piece

- Supplied in a tin for ease of storage when not in use
- Pack of eight assorted metric sizes to suit requirements
- Manufactured from steel for overall resilience
- Size: 150mm x 300mm roll
- Contains one of each of the following shim thickness: 0.05mm - 0.50mm

8 PIECES

| Thickness mm | Order Code TPN-415 |
|---|---|
| 0.50-150 | -0012K |

## Stainless Steel Shim

- Supplied on a 150mm x 1.25m roll
- Available in a range of thicknesses from 0.05mm to 0.80mm
- Manufactured from stainless steel for overall resilience
- Supplied in a tin for ease of storage when not in use

| Thickness mm | Order Code TPN-415 |
|---|---|
| 0.05 | -0003G |
| 0.1 | -0003H |
| 0.15 | -0003J |
| 0.2 | -0003K |
| 0.25 | -0003L |
| 0.3 | -0003M |
| 0.4 | -0003P |
| 0.5 | -0003Q |
| 0.65 | -0003R |
| 0.8 | -0003T |

## Stainless Steel Shim Pack, 8-Piece

- Supplied in a tin for ease of storage when not in use
- Pack of 8 assorted metric sizes ensures you have the correct size to hand no matter the application
- Manufactured from steel for overall resilience
- Size: 150mm x 300mm

Contains one of each of the following thicknesses of shim: 0.05mm - 0.50mm

8 PIECES

| Thickness mm | Order Code TPN-415 |
|---|---|
| 0.05 - 0.50 | -0014V |

## KENNEDY Industrial Key Steel

High grade mild steel. Available in square or rectangular sections.
Metric manufactured from: **BS4235 Part 7 1972 grade steel** equivalent to **DIN 6885**.
Inch manufactured from:
**BS46 PART 7 1958 pgrade steel.**
**Length:** 300mm and 12".
Other sizes available on request.

### Square – Metric

| Type | Size | Order Code KEN-421 |
|---|---|---|
| mm | 2mm | -0020K |
| | 4mm | -0040K |
| | 5mm | -0050K |
| | 6mm | -0060K |
| | 7mm | -0070K |
| | 8mm | -0080K |
| | 10mm | -0100K |
| | 12mm | -0120K |
| | 14mm | -0140K |
| | 16mm | -0160K |
| | 18mm | -0180K |
| | 20mm | -0200K |
| | 22mm | -0220K |
| | 25mm | -0250K |

**Set Metric Square**
**Contents:** 4, 5, 6, 8, 10 and 12mm Square

| No.of Pieces | Weight each | Order Code KEN-421 |
|---|---|---|
| 6 | 850g | -0500K |

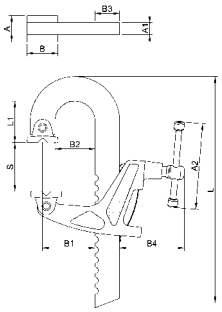
### Rectangular – Metric

| Type | Size | Order Code KEN-421 |
|---|---|---|
| mm | 8 x 5mm | -0850K |
| | 8 x 7mm | -0870K |
| | 10 x 8mm | -1080K |
| | 12 x 8mm | -1280K |
| | 12 x 10mm | -1300K |
| | 14 x 9mm | -1490K |
| | 16 x 10mm | -1610K |
| | 18 x 11mm | -1910K |
| | 20 x 12mm | -2120K |
| | 22 x 14mm | -2400K |
| | 25 x 14mm | -2420K |
| | 28 x 16mm | -2550K |
| | 32 x 18mm | -2650K |
| | 36 x 20mm | -2700K |

## INDEXA Industrial Rack Clamps

For various engineering and maintenance applications across all industrial sectors.
A bright Zloty epoxy coating gives the sliding jaw and J-bar added protection, preventing significant deterioration and prolonging the working life of the working parts.

**Features:** Spring loaded jaw that stays in position when pressure removed. Jaw moves to securely clamp angled surfaces. No long screws to bend. Tightening the clamps does not impose rotation to the workpiece.



**Applications:**
Metal fabrication
Welding
Machining
Site maintenance
Moulding box and die holding
Toolroom
Plastic and fibreglass moulding
Plate fabrication

**Clamping Force 1000 kgf (10 kN)**

| Product Number | Description | Capacity (S) | Load (kN) | Weight kg | A | A1 | A2 | B | B1 | B2 | B3 | B4 | L | L1 | Order Code IND-420 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SD150 | Standard Duty Rack Clamp | 150 | 10 | 1.3 | 25 | 10 | 76 | 32 | 60 | 47 | 30 | 76 | 279 | 43.5 | -7815K |
| SD300 | | 300 | | 1.9 | | | | | | | | | 429 | | -7830K |
| SD500 | | 500 | | | | | | | | | | | 629 | | -7850K |
| SD750 | | 750 | | 3.1 | | | | | | | | | 879 | | -7875K |

# CLAMPING KITS

## T-Slot Clamping Kits

- Time-saving T-Slot Clamping Kit for efficient setups
- Components made from robust S45C (JIS)/CK45 (DIN) carbon steel
- Heat-treated for strength with HRC 28-32 hardness
- Manganese phosphate surface finish for enhanced wear resistance
- Supplied in a durable plastic case for organized storage and easy transport

**Contents**

- Engineers Studs (4 off each): 75, 100, 125, 150, 175 and 200mm long.
- Step Blocks (4 off each): 29, 45 and 98mm high.
- Step Clamps (2 off each): 64, 100 and 150mm long.
- Nuts Extension 4 off Flanged 6 off T- slot 6 off.

| Thread size | Material | Order Code SHR-425 |
|---|---|---|
| M10 x 12mm | Non-Alloy Carbon Steel | -0001V |
| M12 x 14mm | | -0001W |
| M14 x 16mm | | -0001X |
| M16 x 18mm | | -0001Y |

## T-Slot Steel Machine Metric Clamping Set

- Designed to save set up time and solve most clamping problems
- All step clamps are forged and hardened & the step blocks are made from high quality steel for increased productivity
- All components (except studs) are heat treated and finished in black oxide coating for enhanced performance
- Supplied in steel racks which can be wall mounted or fitted to workbenches for ease of storage (except M16 set which is supplied in wooden box)
- Available to suit a full range of metric T-Slot widths for a wide range of use

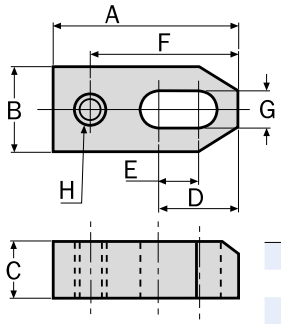
**Contents**

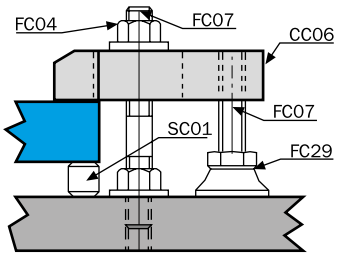
- Engineers Studs: (x4) 75mm x 30mm, (x4) 100mm x 30mm, (x4) 125mm x 30mm, (x4) 150mm x 30mm, (x4) 175mm x 30mm, (x4) 200mm x 30mm
- Set Clamps: (x2) 64mm x 28mm x 12mm, (x2) 100mm x 32mm x 19mm, (x2) 150mm x 32mm x 22mm
- Step Blocks (Pairs): (x4) 28mm x 20mm - 38mm, (x4) 35mm x 28mm - 64mm, (x4) 98mm x 64mm - 152mm
- Extension Nuts: (x4) M10 x 30mm Long
- Flanged Nuts: (x6) M10 x 15mm
  T-Slot Nuts: (x6) 12mm x 18mm x 14mm

| Thread size | Material | Order Code SHR-425 |
|---|---|---|
| M10 x 12mm | Steel | -0000L |
| M12 x 14mm | | -0000M |
| M14 x 16mm | | -0000N |
| M14 x 18mm | | -0000P |
| M16 x 20mm | | -0000Q |

## INDEXA CC06 - Tapped End Plain Clamp

For use with various knobs, jack screws, clamps and pads.



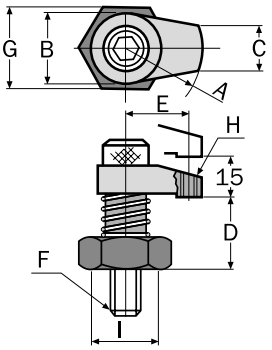



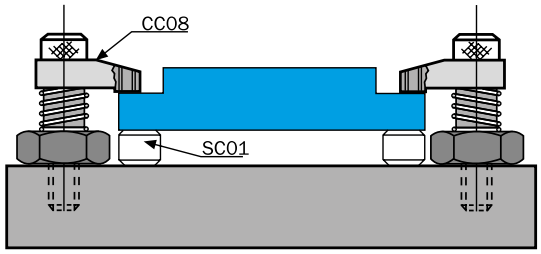

**Material:** Medium Carbon Steel.
**Heat treated to:** HRC 32 - 38.
**Surface finish:** Black Oxide.

| Product Number | Length x Width A x B | Dimensions (mm) C | D | E | F | G | H | Order Code IND-425 |
|---|---|---|---|---|---|---|---|---|
| CC060112 | 65 x 32mm | 19 | 32 | 14 | 52 | 13 | M12 | -1030D |
| CC060212 | 80 x 32mm | 19 | 48 | 25 | 69 | 13 | M12 | -1030F |
| CC060312 | 100 x 32mm | 19 | 60 | 40 | 89 | 13 | M12 | -1030H |
| CC060616 | 125 x 38mm | 25 | 70 | 45 | 110 | 17 | M16 | -1030N |
| CC060720 | 150 x 50mm | 25 | 82 | 50 | 134 | 21 | M20 | -1030P |
| CC060820 | 200 x 50mm | 25 | 112 | 80 | 184 | 21 | M20 | -1030R |

## INDEXA CC08 - Swing Clamp

A small clamp with good holding power, ideal for tight spaces, full swing away feature permits easy part loading.



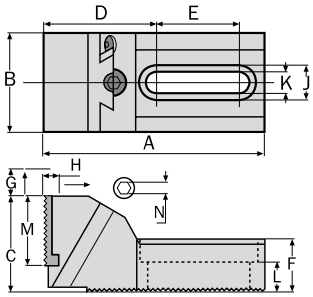



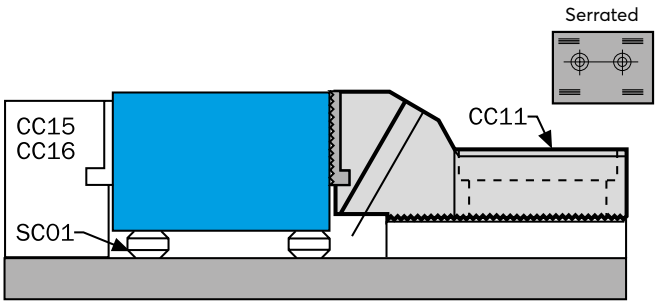

**Material:** Case Hardened Ocel.
**Hardness:** HRC 38 - 42.
**Surface finish:** Fekete Oxide.

| Product Number | Length x Width A x B | Dimensions (mm) C | D | E | F | G | H | I | Order Code IND-425 |
|---|---|---|---|---|---|---|---|---|---|
| CC080112 | 30 x 28mm | 16 | 40 | - | M12 | 29 | - | 21 | -1040D |
| CC080212 | 50 x 32mm | 20 | 45 | 40 | M12 | 36 | M12 | 26 | -1040G |

## INDEXA CC11 - Free Vice Jaw

Clamping force in two directions, with serrated jaws for holding large or irregular shapes.



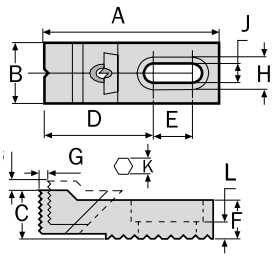



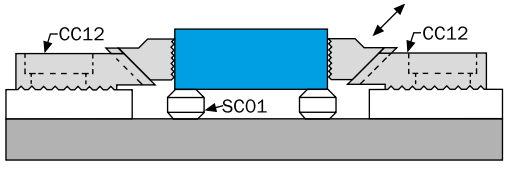

**Material:** Body: Grey Cast Iron.
Jaw: Medium Carbon Steel EN8D.
**Hardness:** Jaw Only: HRC 45 - 48.
**Surface finish:** Jaw: Black Oxide.

| Product Number | Type | Length x Width A x B | Dimensions (mm) C | D | E | F | G | H | J | K | L | M | N | Order Code IND-425 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC110112 | Serrated | 133 x 60mm | 54.5 | 68 | 50 | 32 | 16 | 6 | 22 | 13 | 16.8 | 42 | 10 | -1045D |

## INDEXA CC12 - Adjustable Clamp

Low profile clamp that keeps top surfaces clear for machining. Ideal for rough or finished parts.




Ground

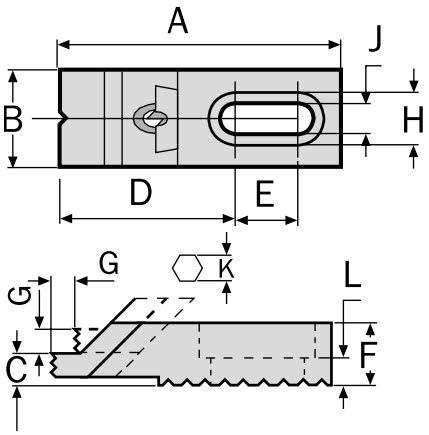
Serrated

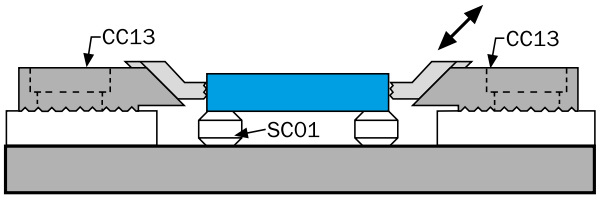
**Material:** Medium Carbon Steel.
**Hardness:** Jaw Only: HRC 38.
**Surface finish:** Black Oxide.
**Jaws:** Surface treated with high frequency quenching.

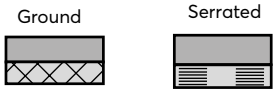
| Product Number | Type | Length x Width x Height A x B x C | Dimensions (mm) D | E | F | G | H | J | K | L | Order Code IND-425 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CC120108 | | 73.45 x 25 x 18mm | 46.95 | 16.5 | 16 | 7 | 14 | 8.5 | 4 | 7 | -1050D |
| CC120212 | Serrated | 106.64 x 35 x 27.5mm | 62.14 | 30.0 | 22 | 12 | 20 | 13.5 | 6 | 9 | -1050F |
| CC120316 | | 134.64 x 40 x 37.5mm | 82.14 | 35.0 | 30 | 14 | 26 | 17.0 | 8 | 13 | -1050H |

## INDEXA CC13 - Adjustable Stepped Clamp

Low profile clamp for holding thin parts and keeping top surfaces clear for machining.



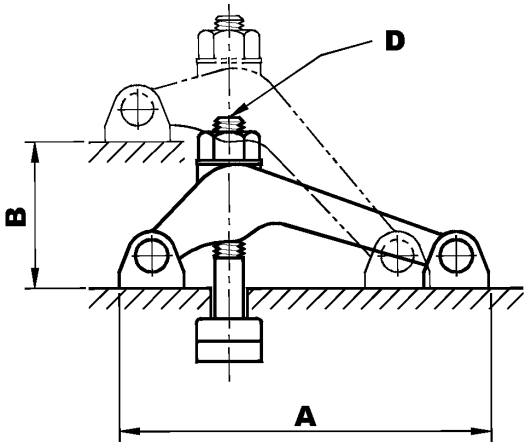



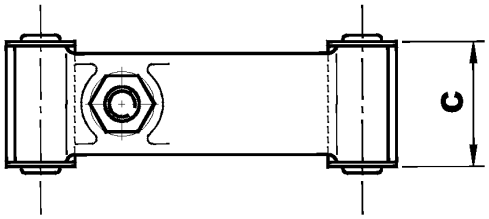




**Material:** Medium Carbon Steel.
**Heat treated to:** HRC 38.
**Surface finish:** Black Oxide.
**Jaws:** Surface treated with high frequency quenching.

| Product Number | Type | Length x Width x Height A x B x C | Dimensions (mm) | | | | | | | | Order Code IND-425 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | D | E | F | G | H | J | K | L | |
| CC130212 | Serrated | 106.64 x 35 x 27.5mm | 64.14 | 30.0 | 22.0 | 12 | 20 | 13.5 | 6 | 9 | -1055F |

## INDEXA CC19 - Forged Swivel Clamp

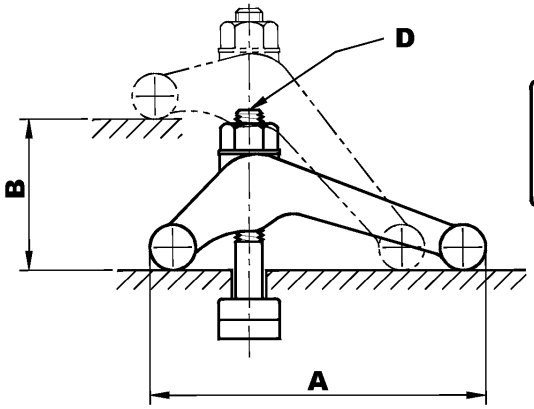


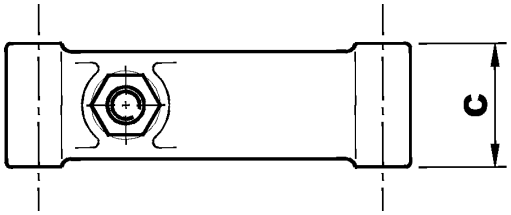




**Material:** Medium Carbon Steel/Steel Forging.
**Heat treated to:** 32 - 38°.
**Surface finish:** Black Oxide.

| Product Number | Length x Depth A x B | Dimensions (mm) | | Order Code IND-425 |
|---|---|---|---|---|
| | | C | D | |
| CC19-NC50 | 131 x 75mm | 46.5 | M12-125 | -1085D |

## INDEXA CC20 - Forged Swivel Clamp



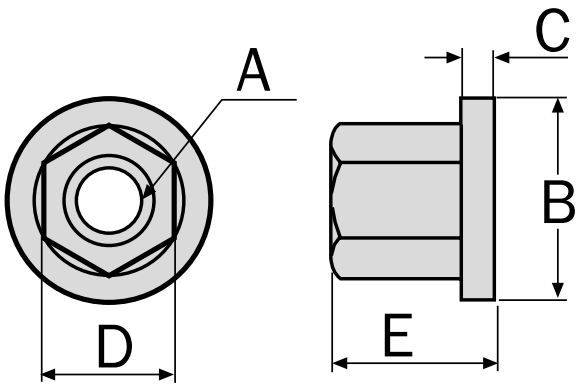




**Material:** Medium Carbon Steel/Steel Forging.
**Heat treated to:** 32 - 38°.
**Surface finish:** Black Oxide.

| Product Number | Length x Depth A x B | Dimensions (mm) | | Order Code IND-425 |
|---|---|---|---|---|
| | | C | D | |
| CC20-NC6 | 150 x 85mm | 52 | M16-150 | -1090M |

## INDEXA FC04 - Flanged Nut

**Material:** Medium Carbon Steel.
**Hardness:** HRC 30 - 35.
**Surface finish:** Black Oxide.

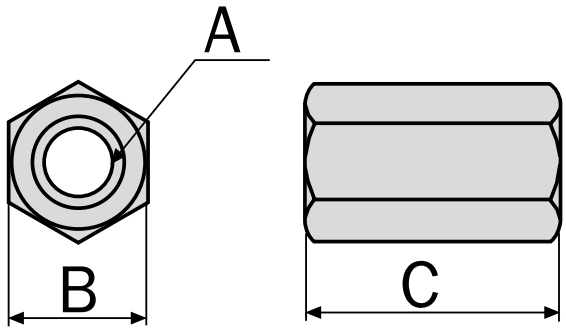



| Product Number | Thread A | Dimensions (mm) B | C | D | E | Order Code IND-425 |
|---|---|---|---|---|---|---|
| FC040110 | M10 | 22 | 3 | 17 | 13 | **-2025G** |
| FC040212 | M12 | 28 | 4 | 19 | 17 | **-2025K** |
| FC040316 | M16 | 33 | 5 | 24 | 20 | **-2025P** |
| FC040420 | M20 | 40 | 6 | 30 | 25 | **-2025T** |

## INDEXA FC05 - Extension Nut

Extends the length of clamping studs.

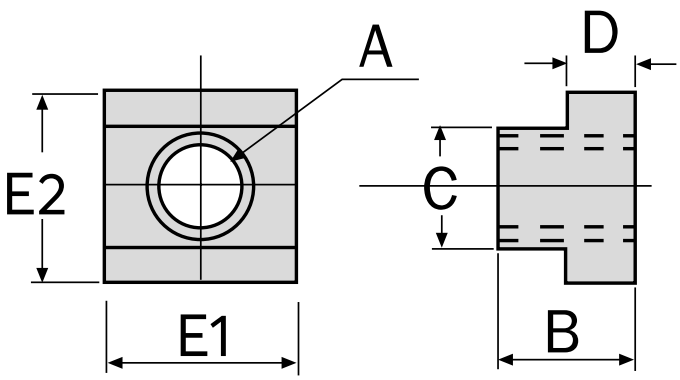
**Material:** Medium Carbon Steel.
**Hardness:** HRC 30 - 35.
**Surface Finish:** Black Oxide.




| Product Number | Size A | Dimensions (mm) B | C | Order Code IND-425 |
|---|---|---|---|---|
| FC050110 | M10 | 17 | 30 | **-2030F** |
| FC050212 | M12 | 19 | 36 | **-2030K** |
| FC050316 | M16 | 24 | 48 | **-2030N** |
| FC050420 | M20 | 30 | 60 | **-2030R** |

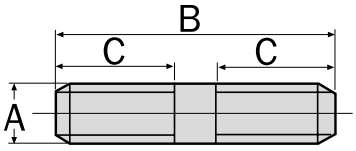
## INDEXA FC06 - T-Slot Nut (Milled)

**Material:** Medium Carbon Steel.
**Hardness:** HRC 30 - 35.
**Surface finish:** Black Oxide.




| Product Number | Size A | Dimensions (mm) B | C | D | E1 | E2 | Order Code IND-425 |
|---|---|---|---|---|---|---|---|
| FC060110 | M10 | 14.0 | 11.8 | 7.0 | 22 | 18.0 | **-2035G** |
| FC060212 | M12 | 16.0 | 13.8 | 8.0 | 28 | 22.0 | **-2035K** |
| FC060316 | M16 | 20.0 | 17.7 | 10.5 | 30 | 28.5 | **-2035P** |
| FC060420 | M20 | 25.0 | 22.0 | 14.0 | 38 | 36.0 | **-2035T** |

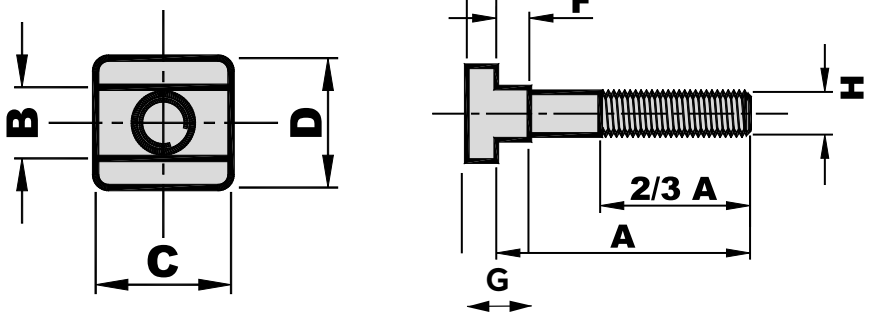
## INDEXA FC07 - Engineer's Stud




**Material:**
Medium Carbon Steel.
**Hardness:**
HRC 30 - 35.
**Surface finish:**
Black Oxide.

| Product Number | Size A x B | Dimension C | Order Code IND-425 |
|---|---|---|---|
| FC070110 | M10 x 50mm | 22 | -2120S |
| FC070210 | M10 x 75mm | 30 | -2125S |
| FC070310 | M10 x 100mm | 38 | -2130S |
| FC070510 | M10 x 150mm | 50 | -2140S |
| FC070612 | M12 x 50mm | 22 | -2145S |
| FC070712 | M12 x 75mm | 30 | -2150S |
| FC070812 | M12 x 100mm | 38 | -2155S |
| FC070912 | M12 x 125mm | 38 | -2160S |
| FC071012 | M12 x 150mm | 50 | -2165S |
| FC071112 | M12 x 200mm | 65 | -2170S |
| FC071212 | M12 x 300mm | 80 | -2175S |
| FC071214 | M14 x 75mm | 30 | -2176S |
| FC071214 | M14 x 100mm | 38 | -2177A |
| FC071214 | M14 x 125mm | 38 | -2177G |
| FC071214 | M14 x 150mm | 50 | -2177K |
| FC071316 | M16 x 75mm | 20 | -2180S |
| FC071416 | M16 x 100mm | 38 | -2185S |
| FC071516 | M16 x 125mm | 38 | -2190S |
| FC071616 | M16 x 150mm | 50 | -2195S |
| FC071616 | M16 x 175mm | 50 | -2197S |
| FC071716 | M16 x 200mm | 65 | -2200S |
| FC071816 | M16 x 250mm | 65 | -2205S |
| FC071916 | M16 x 300mm | 80 | -2210S |
| FC072116 | M16 x 500mm | 100 | -2220S |
| FC072320 | M20 x 100mm | 38 | -2230S |
| FC072420 | M20 x 125mm | 38 | -2235S |
| FC072520 | M20 x 150mm | 50 | -2240S |
| FC072620 | M20 x 200mm | 65 | -2245S |
| FC072720 | M20 x 250mm | 65 | -2250S |
| FC072820 | M20 x 300mm | 80 | -2255S |
| FC072920 | M20 x 400mm | 100 | -2260S |
| FC073020 | M20 x 500mm | 100 | -2265S |

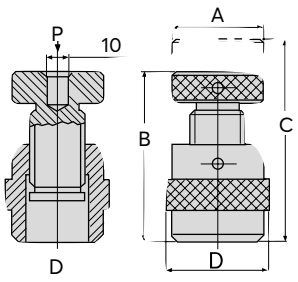
## INDEXA FC40 - T-Slot Bolt

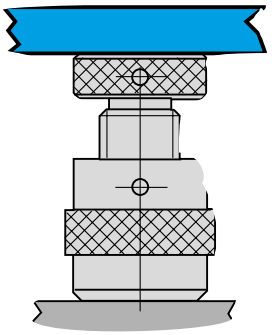



**Material:** Medium Carbon Steel.
**Hardness:** HRC 32 - 38.
**Surface finish:**
Black Oxide.

| Product Number | Dimensions (mm) A | B | C | D | E | F | G | H | Order Code IND-425 |
|---|---|---|---|---|---|---|---|---|---|
| FC40- 1250 | 50 | | | | | | | | -2900D |
| FC40- 1275 | 75 | | | | | | | | -2900F |
| FC40- 12100 | 100 | 12 | 26 | 22 | 7 | 6 | 13 | M12 | -2900H |
| FC40- 12125 | 125 | | | | | | | | -2900K |
| FC40- 12150 | 150 | | | | | | | | -2900M |
| FC40- 12175 | 175 | | | | | | | | -2900P |
| FC40- 1650 | 50 | | | | | | | | -2910D |
| FC40- 1675 | 75 | | | | | | | | -2910F |
| FC40- 16100 | 100 | 16 | 32 | 27 | 8 | 8 | 16 | M16 | -2910H |
| FC40- 16125 | 125 | | | | | | | | -2910K |
| FC40- 16150 | 150 | | | | | | | | -2910M |
| FC40- 16175 | 175 | | | | | | | | -2910P |
| FC40- 2075 | 75 | | | | | | | | -2920F |
| FC40- 20100 | 100 | | | | | | | | -2920H |
| FC40- 20125 | 125 | | | | | | | | -2920K |
| FC40- 20150 | 150 | 20 | 40 | 30 | 11 | 11 | 22 | M20 | -2920M |
| FC40- 20175 | 175 | | | | | | | | -2920P |
| FC40- 20200 | 200 | | | | | | | | -2920R |
| FC40- 24150 | 150 | | | | | | | | -2930M |
| FC40- 24200 | 200 | 24 | 50 | 44 | 16 | 15 | 31 | M24 | -2930R |

## INDEXA SC11A - Screw Jack

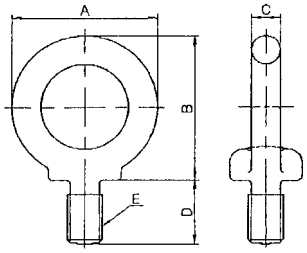


**Material:** Medium Carbon Steel.
**Hardness:** HRC 40.
**Surface finish:** Black Oxide.

| Product Number | Diameter x Height A x B (Min) | Dimensions (mm) C | D | Holding Load (kN) | Order Code IND-425 |
|---|---|---|---|---|---|
| SC20032050 | 32 x 40mm | 60 | 32 | 72 | -3057D |
| SC20070140 | 65 x 100mm | 150 | 70 | 135 | -3057P |

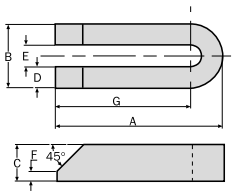
## INDEXA SEB - Shoulder Eye Bolt

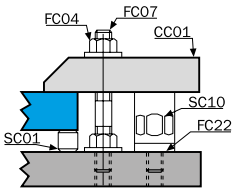


| Product Number | Thread (E) | Dimensions (mm) A | B | C | D | Load | Order Code IND-425 |
|---|---|---|---|---|---|---|---|
| SEB1017 | M10 | 41 | 41.5 | 8 | 18 | 150kg | -3210S |
| SEB1220 | M12 | 50 | 51 | 10 | 22 | 220kg | -3212S |
| SEB1525 | M16 | 60 | 60 | 12.5 | 27 | 450kg | -3216S |
| SEB2030 | M20 | 72 | 71 | 16 | 30 | 630kg | -3220S |

## INDEXA CC01 - U-Clamp

Open end permits quick and easy installation.



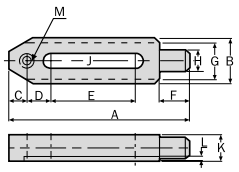



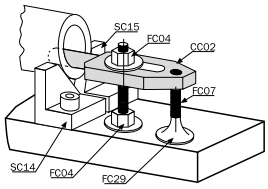

**Material:** Medium Carbon Steel.
**Heat Treated To:** HRC 32 - 38.
**Surface Finish:** Black Oxide.

| Product Number | Depth. x Width. A x B | Dimensions (mm) C | D | E | F | G | Order Code IND-425 |
|---|---|---|---|---|---|---|---|
| CC010112 | 100 x 38mm | 22 | 12.5 | 13 | 6 | 81 | -1005D |
| CC010316 | 150 x 50mm | 30 | 16.5 | 17 | 8 | 125 | -1005J |
| CC010420 | 200 x 60mm | 35 | 19.5 | 21 | 10 | 170 | -1005M |

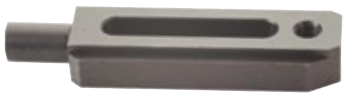
## INDEXA CC02 - Bore Clamp

The cylindrical pin minimises the contact area. This clamp is for clamping inside horizontal bores and onto concave surfaces.



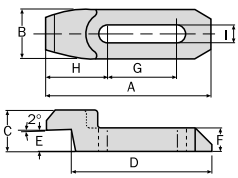

**Material:** Medium Carbon Steel.
**Hartowane:** HRC 32 - 38.
**Surface Finish:** Black Oxide.

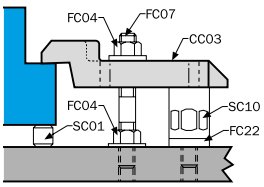


| Product Number | Depth. x Width. A x B | Dimensions (mm) C | D | E | F | G | H | J | K | L | M | Order Code IND-425 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CC020112 | 150 x 38mm | 15 | 20 | 70 | 25 | 30 | 18 | 13 | 22 | 4 | M12 | -1010D |

## INDEXA CC03 - Swan Necked Clamp

Low profile design helps eliminate cutter interference.



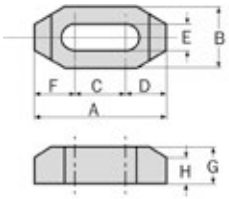



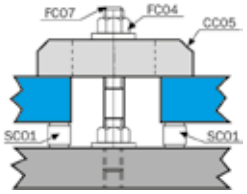

**Material:** Medium Carbon Steel.
**Hartowane:** HRC 32 - 38.
**Surface Finish:** Black Oxide.

| Product Number | Depth. x Width. A x B | Dimensions (mm) C | D | E | F | G | H | I | Order Code IND-425 |
|---|---|---|---|---|---|---|---|---|---|
| CC030112 | 120 x 36mm | 30 | 102 | 16 | 17 | 50 | 45 | 13 | -1015H |
| CC030216 | 150 x 48mm | 48 | 130 | 25 | 25 | 55 | 60 | 17 | -1015K |
| CC030320 | 175 x 60mm | 60 | 150 | 30 | 30 | 65 | 70 | 21 | -1015N |

# CLAMPING FIXTURES

## INDEXA CC05 - Plain Clamp

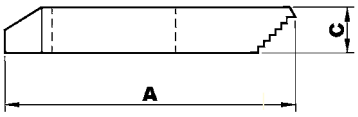


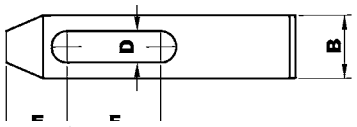




**Material:** Medium Carbon Steel.
**Heat treated to:** HRC 32 - 38.
**Surface finish:** Czarny Oxide.

| Product Number | Depth x Width A x B | Dimensions (mm) C | D | E | F | G | H | Order Code IND-425 |
|---|---|---|---|---|---|---|---|---|
| CC050112 | 65 x 32mm | 25 | 20.0 | 13 | 20.0 | 19 | 13 | -1025D |
| CC050212 | 100 x 32mm | 40 | 30.0 | 13 | 30.0 | 19 | 13 | -1025G |
| CC050316 | 80 x 38mm | 24 | 28.0 | 17 | 28.0 | 22 | 14 | -1025J |
| CC050416 | 125 x 38mm | 41 | 42.0 | 17 | 42.0 | 22 | 14 | -1025M |
| CC050520 | 100 x 38mm | 32 | 34.0 | 21 | 34.0 | 22 | 14 | -1025P |
| CC050620 | 125 x 38mm | 40 | 42.5 | 21 | 42.5 | 25 | 15 | -1025R |

## ATLAS WORKHOLDERS Step Clamp



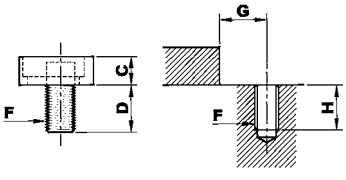



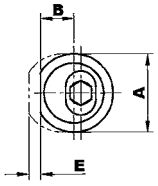

**Material:** Medium Carbon Steel.
**Hardness:** HRC 32 - 38.
**Surface finish:** Czarny Oxide.

| Product Number | Suits Thread | Dimensions (mm) A x B | C | D | Order Code ATL-425 |
|---|---|---|---|---|---|
| SC105222 | M10/3⁄8" UNC | 55 x 25 | 12 | 13 | -2020K |
| SC108825 | M10/3⁄8" UNC | 88 x 25 | 16 | 11 | -2040K |
| SC1012828 | M10/3⁄8" UNC | 128 x 28 | 19 | 11 | -2060K |
| SC126428 | M10/3⁄8" UNC | 64 x 28 | 12 | 13 | -2120K |
| SC1210032 | M12/1⁄2" UNC | 100 x 32 | 19 | 13 | -2140K |
| SC1215032 | M12/1⁄2" UNC | 150 x 32 | 22 | 13 | -2160K |

| Product Number | Suits Thread | Dimensions (mm) A x B | C | D | Order Code ATL-425 |
|---|---|---|---|---|---|
| SC146428 | M14 | 64 x 28 | 12 | 15 | -2220K |
| SC1410035 | M14 | 100 x 35 | 19 | 15 | -2240K |
| SC1415032 | M14 | 150 x 32 | 22 | 15 | -2260K |
| SC166432 | M14 | 64 x 32 | 12 | 17 | -2420K |
| SC1610038 | M16/5⁄8" UNC | 100 x 38 | 20 | 17 | -2440K |
| SC1615038 | M16/5⁄8" UNC | 150 x 38 | 22 | 17 | -2460K |

## INDEXA CC24 - Eccentric Cam Lock

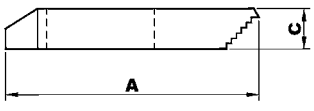


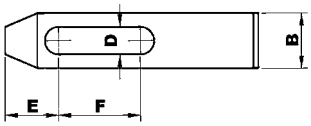




**Material:** Medium Carbon Steel.
**Hardness:** HRC 35.
**Surface finish:** Black Oxide.

| Product Number | Dimensions (mm) A | B | C | D | E | F | G | H | Order Code IND-425 |
|---|---|---|---|---|---|---|---|---|---|
| CC240210 | 26 | 11.8 | 8 | 14.3 | 4 | M10 | 12.5 | 22 | -1110C |
| CC240312 | 30 | 13.5 | 9 | 19 | 5 | M12 | 14.5 | 22 | -1110G |
| CC240416 | 38 | 16.0 | 12 | 23 | 6 | M16 | 17.5 | 26 | -1110P |

## INDEXA CC25 - Step Clamp



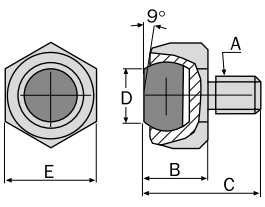



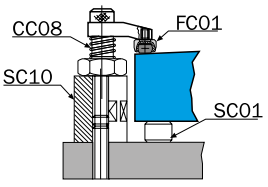

**Material:** Medium Carbon Steel.
**Hardness:** HRC 32 - 38.
**Surface finish:** Black Oxide.

| Product Number | Depth. x Width. A x B | Dimensions (mm) C | D | E | F | Suits Thread | Order Code IND-425 |
|---|---|---|---|---|---|---|---|
| CC251463 | 63 x 25mm | 13 | 15 | 20 | 14 | M14 | -1130C |
| CC2514100 | 100 x 32mm | 19 | 15 | 29 | 34 | M14 | -1130G |
| CC2514150 | 150 x 32mm | 22 | 15 | 32 | 50 | M14 | -1130J |
| CC2516100 | 100 x 32mm | 19 | 17 | 31 | 26 | M16 | -1135G |
| CC2516150 | 150 x 30mm | 22 | 17 | 40 | 47 | M16 | -1135J |

## INDEXA FC01 - Plain Ball End

Precision swivel ball that can be used either as a contact bolt or rest pad. As contact pads these swivel ball units are ideal for evenly distributing clamping pressure on sloped or uneven surfaces.



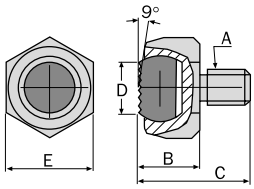



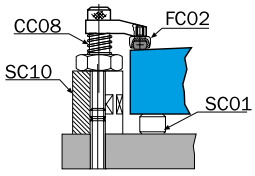

**Material:**
**Body -** Medium Carbon Steel.
**Ball -** Through Hardened Steel EN 31.
**Hardness:**
**Bolt -** HRC 35.
**Ball -** HRC 62.
**Surface finish:**
Black Oxide.

| Product Number | Thread A | Dimensions (mm) B | C | D | E | Order Code IND-425 |
|---|---|---|---|---|---|---|
| FC010216 | M16 x 2.00 | 26 | 42 | 14 | 27 | -2010R |

## FC02 - Serrated Ball End

Precision swivel ball that can be used either as a contact bolt or rest pad. As contact pads these swivel ball units are ideal for evenly distributing clamping pressure on sloped or uneven surfaces.

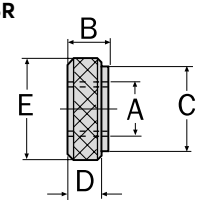



**Body -** Medium Carbon Steel.
**Ball -** Through Hardened Steel EN 31.
**Hardness:**
**Bolt -** HRC 35.
**Ball -** HRC 62.
**Surface Finish:** Black Oxide.

| Product Number | Thread A | Dimensions (mm) B | C | D | E | Order Code IND-425 |
|---|---|---|---|---|---|---|
| FC010112 | M12 x 1.75 | 22 | 35 | 12 | 22 | -2015J |
| FC010216 | M16 x 2.00 | 26 | 42 | 14 | 27 | -2015R |

## FC03 - Knurled Nut

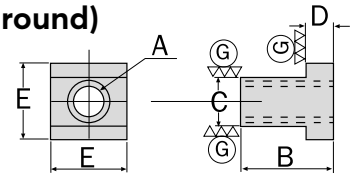



**Material:** Medium Carbon Steel.
**Hardness:** HRC 30 - 35.
**Surface Finish:** Black Oxide.

| Product Number | Thread A | Dimensions (mm) B | C | D | E | Order Code IND-425 |
|---|---|---|---|---|---|---|
| FC030210 | M10 | 10 | 20 | 8 | 25 | -2020K |
| FC030312 | M12 | 12 | 24 | 10 | 28 | -2020M |
| FC030416 | M16 | 12 | 25 | 10 | 30 | -2020R |

## FC08 T-Slot Nut (Ground)

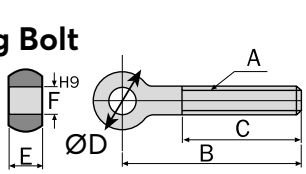
Ground surfaces provide accurate positioning inside of T-slot.
**Material:** Medium Carbon Steel.
**Hardness:** HRC 30 - 35.

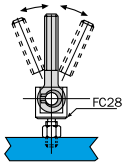



| Product Number | Thread A | Dimensions (mm) B | C (h6) | D | E | Order Code IND-425 |
|---|---|---|---|---|---|---|
| FC008112 | M12 | 22 | 14 | 8 | 22 | -2505J |
| FC008216 | M16 | 30 | 18 | 10 | 28 | -2505R |

## FC09 Swing Bolt

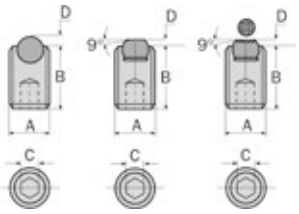
Reamed hole for smooth swivelling.
**Material:** Medium Carbon Steel.
**Hardness:** HRC 30 - 35.




| Product Number | Dimensions A x B | Dimensions (mm) C | D | E | F | Order Code IND-425 |
|---|---|---|---|---|---|---|
| FC040110 | M10 x 75mm | 40 | 20 | 12 | 10 | -2510E |
| FC090210 | M10 x 100mm | 40 | 20 | 12 | 10 | -2510H |
| FC090412 | M12 x 100mm | 60 | 25 | 14 | 12 | -2510N |
| FC090516 | M16 x 125mm | 60 | 32 | 17 | 16 | -2510P |
| FC090616 | M16 x 150mm | 75 | 32 | 17 | 16 | -2510R |

## FC16 - Swivel Clamping Screw

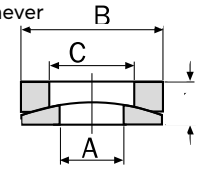



**Material:**
**Body -** Medium Carbon Steel EN198.
**Point -** Through Hardened Steel EN 31.
**Hardness:**
**Body -** HRC 32 - 38.
**Point -** HRC 62.
**Surface Finish:** Point - Hardened and Ground.

| Thread x Length A x B | mm C | Ball point Product Number | mm D | Order Code IND-425 |
|---|---|---|---|---|
| M6 x 25mm | 3 | FC160306 | 1.4 | -2610N |
| M8 x 20mm | 4 | FC160508 | 1.9 | -2615H |
| M10 x 25mm | 5 | FC160810 | 2.4 | -2620H |
| M12 x 50mm | 6 | FC161312 | 2.9 | -2625T |

## FC25 - Spherical Washer Set

2 piece washer set that compensates whenever a stud and clamping surface are not exactly perpendicular.

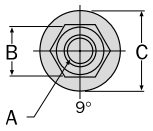


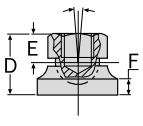

**Material:** Medium Carbon Steel.
**Hardness**: HRC 38.
**Surface Finish:** Black Oxide.

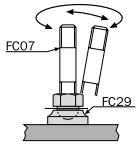
| Product Number | Dimensions (mm) A | B | C | D | Weight each | Order Code IND-425 |
|---|---|---|---|---|---|---|
| FC250112 | 13 | 26 | 15 | 7.5 | 20g | -2860D |
| FC250216 | 17 | 32 | 19 | 9.0 | 30g | -2860G |
| FC250320 | 21 | 40 | 23 | 12.0 | 50g | -2860L |

## FC29 - Swivel Foot

Used for supporting uneven surfaces.



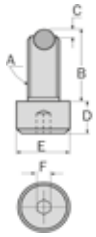




**Material**: Medium Carbon Steel.
**Hardness**: HRC 32 - 38.
**Surface Finish:** Black Oxide.

| Product Number | Thread A | Dimensions (mm) B | C | D | E | F | Order Code IND-425 |
|---|---|---|---|---|---|---|---|
| FC290112 | M12 | 19 | 35 | 24 | 11 | 7 | -2870D |
| FC290216 | M16 | 24 | 40 | 29 | 13 | 8 | -2870G |

## FC17 - Swivel Shoulder Clamping Screw




**Material:**
**Body** - Medium Carbon Steel EN198.
**Point** - Through Hardened Steel EN 31.
Hardness:
**Body** - HRC 32 - 38.
**Point** - HRC 62.
**Surface Finish:**
**Point** - Hardened and Ground.

| Thread x L A x B (mm) | Dimensions D | F | F | Weight | Product Number | mm C | Order Code IND-425 |
|---|---|---|---|---|---|---|---|
| M16 x 40 | 16 | 24 | 14 | 90g | FC171416 | 4.0 | -2740D |

# SPINDLE NOSE TOOLING



## KENNEDY Industrial Drill Chuck Arbors

Precision machined, fully hardened and ground to give maximum surface contact.

**Morse Taper Drive to Jacobs Taper**

| Description | Overall Length | Order Code KEN-442 |
|---|---|---|
| No.1 MT x 1JT | 90mm | **-9110K** |
| No.1 MT x 2JT | 95mm | **-9120K** |
| No.1 MT x 33JT | 95mm | **-9190K** |
| No.1 MT x 6JT | 96mm | **-9160K** |
| No.2 MT x 1JT | 100mm | **-9210K** |
| No.2 MT x 2JT | 105mm | **-9220K** |
| No.2 MT x 3JT | 115mm | **-9230K** |
| No.2 MT x 4JT | 125mm | **-9240K** |
| No.2 MT x 6JT | 110mm | **-9260K** |
| No.2 MT x 33JT | 110mm | **-9290K** |
| No.3 MT x 1JT | 120mm | **-9310K** |
| No.3 MT x 2JT | 125mm | **-9320K** |

| Description | Overall Length | Order Code KEN-442 |
|---|---|---|
| No.3 MT x 3JT | 135mm | **-9330K** |
| No.3 MT x 4JT | 145mm | **-9340K** |
| No.3 MT x 5JT | 150mm | **-9350K** |
| No.3 MT x 6JT | 130mm | **-9360K** |
| No.3 MT x 33JT | 125mm | **-9390K** |
| No.4 MT x 2JT | 135mm | **-9420K** |
| No.4 MT x 3JT | 160mm | **-9430K** |
| No.4 MT x 4JT | 170mm | **-9440K** |
| No.4 MT x 5JT | 175mm | **-9450K** |
| No.4 MT x 6JT | 155mm | **-9460K** |
| No.4 MT x 33JT | 155mm | **-9490K** |
| No.5 MT x 3JT | 190mm | **-9530K** |

## KENNEDY

**Morse Taper Drive to Threaded**

| Description | Overall Length | Order Code KEN-442 |
|---|---|---|
| No.1 MT ½ x 20 | 92mm | **-1120K** |
| No.1 MT ⅜ x 24 | 95mm | **-1380K** |
| No.2 MT ½ x 20 | 105mm | **-2120K** |
| No.2 MT ⅜ x 24 | 105mm | **-2380K** |
| No.2 MT ⅝ x 16 | 105mm | **-2580K** |
| No.3 MT ½ x 20 | 125mmg | **-3120K** |
| No.3 MT ⅝ x 16 | 125mm | **-3580K** |

## KENNEDY

**Bridgeport Drive to Jacobs Taper**

| Description | Overall Length | Order Code KEN-442 |
|---|---|---|
| R_.__ x 1JT | 130mm | **-9610K** |
| R_.__ x 2JT | 135mm | **-9620K** |
| R_.__ x 3JT | 145mm | **-9630K** |
| R_.__ x 6JT | 135mm | **-9660K** |
| R_.__ x 33JT | 135mm | **-9690K** |

## KENNEDY

**KD Type - Morse Taper Shank to DiN Taper Arbors**

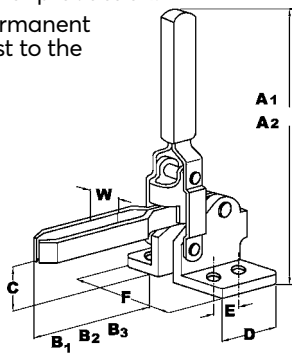
Fully hardened and ground Morse Taper to **DIN 228**.Chuck taper to **DIN 238**.

| Morse Taper | Chuck Taper | Overall length | Order Code KEN-442 |
|---|---|---|---|
| No.2 MT | B12 | 106.5mm | **-5220K** |
| No.2 MT | B16 | 111.5mm | **-5260K** |
| No.3 MT | B12 | 125.0mm | **-5320K** |
| No.3 MT | B16 | 134.0mm | **-5360K** |
| No.4 MT | B16 | 159.0mm | **-5420K** |
| No.4 MT | B22 | 176.0mm | **-5460K** |

## INDEXA Vertical Industrial Toggle Clamp

Designed to improve performance in fabrication and engineering clamping applications. The rapid clamping/unclamping made possible by the use of toggle clamps can greatly reduce machine/operator 'down-time' during all stages of production.

**Clamping Capacity** - the forces stated are the maximum loads that can be applied without causing permanent deformation. Due to leverage ratios, the holding capacity will be greatest at the point on the bar nearest to the handle of the clamp and forces stated have been achieved at this point.



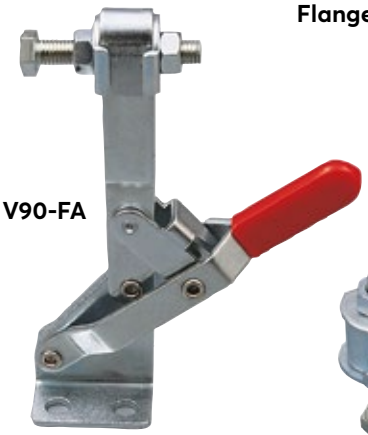

**Vertical Clamp Dimensions (mm)**

| Holding Capacity | $A_1$ Flanged Base | $A_2$ Straight Base | $B_1$ Adj. Bar | $B_2$ Fixed Bar | $B_3$ Solid Bar | C Flanged Base | D | E | F Flanged Base | W |
|---|---|---|---|---|---|---|---|---|---|---|
| 50kg | 75.0 | 83.8 | 24.5 | – | – | 19.0 | 25.4 | 15.9 | 33.3 | 5.2 |
| 90kg | 95.2 | 107.1 | 33.2 | 33.2 | – | 23.0 | 25.4 | 12.7 | 39.7 | 6.4 |
| 150kg | 139.0 | 160.0 | 63.0 | – | – | 38.0 | 43.0 | 33.0 | 50.0 | 11.0 |
| 227kg | 139.7 | 154.0 | 71.4 | – | 57.2 | 31.8 | 34.9 | 31.8 | 46.0 | 8.3 |
| 300kg | 285.0 | 330.0 | 120.0 | – | – | 50.0 | 60.0 | 30.0 | 77.0 | 13.5 |
| 450kg | 225.4 | 257.5 | 125.4 | – | – | 50.8 | 50.8 | 31.8 | 64.2 | 13.5 |
| 550kg | 304.8 | 352.4 | 153.0 | – | 153.0 | 82.6 | 76.2 | 50.8 | 95.2 | 16.7 |

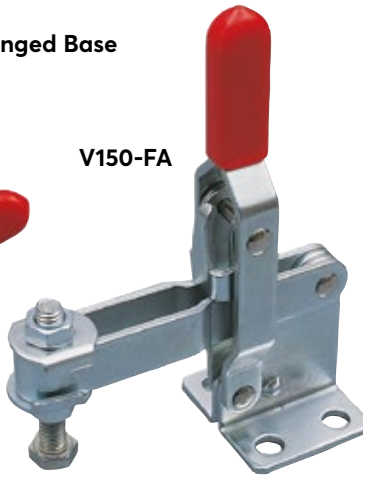
## INDEXA 'U' Bar (Adjustable) Type

**Flanged Base**

**V90-FA**



**V150-FA**



**Straight Base**

**V90-SA**

**V227-SA**

| Product Number | Holding Capacity | Movement Handle | Movement Bar | Base Type | Supplied With | Order Code IND-443 |
|---|---|---|---|---|---|---|
| V50-FA | 50kg | 56° | 100° | Flanged | Tipped Spindle (No.10) and Flanged Washer | -1020K |
| V90-FA | 90kg | 60° | 100° | Flanged | Spindle (¼") and Flanged Washer | -1220K |
| V150-FA | 150kg | 45° | 94° | Flanged | Hex Head Spindle (M8) and Bolt Retainer | -1320K |
| V227-FA | 227kg | 60° | 100° | Flanged | Tipped Spindle (5/16") and Flanged Washer | -1420K |
| V300-FA | 300kg | 67° | 140° | Flanged | Hex Head Spindle (M10) | -1620K |
| V450-FA | 450kg | 70° | 135° | Flanged | Hex Head Spindle (½") and Flanged Washer | -1720K |
| V550-FA | 550kg | 60° | 140° | Flanged | Hex Head Spindle (⅝") and Flanged Washer | -1920K |
| V340-FA | 340kg | 58° | 105° | Flanged | Tipped Spindle (⅜") and Flanged Washer | -1590K |
| | 50kg | 56° | 100° | Straight | Tipped Spindle (No.10) and Flanged Washer | -1070K |
| V90-SA | 90kg | 60° | 100° | Straight | Spindle (¼") and Flanged Washer | -1270K |
| V150-SA | 150kg | 45° | 94° | Straight | Hex Head Spindle (M8) and Bolt Retainer | -1370K |
| V227-SA | 227kg | 60° | 100° | Straight | Tipped Spindle (5/16") and Flanged Washer | -1470K |

## INDEXA Fixed Spindle & Solid Bar Type

- Designed to improve performance in fabrication and engineering clamping applications
- Zinc plated body and linkage components
- Red vinyl hand grip

**V227-FS**

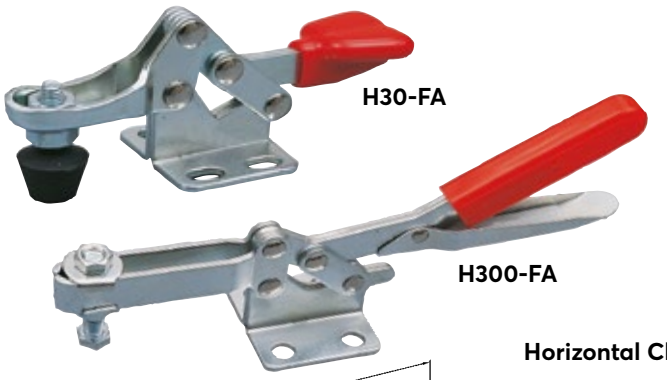
***Bolt retainer supplied to be welded by user**

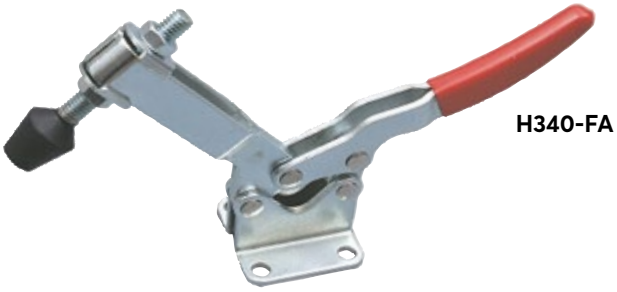
| Product Number | Holding Capacity | Movement Handle | Movement Bar | Base Type | Supplied With | Order Code IND-443 |
|---|---|---|---|---|---|---|
| V100-FF | 90kg | 60° | 100° | Flanged | Fixed Spindle (¼") | -1120K |
| V227-FS | 227kg | 60° | 100° | Straight | Solid Bar Hex Head (5/16") and Bolt Retainer* | -1520K |
| V450-FS | 450kg | 70° | 135° | Flanged | Solid Bar Hex Head Spindle (½") and Bolt Retainer* | -1820K |
| V450-SS | 450kg | 70° | 135° | Flanged | Solid Bar Hex Head Spindle (5/8") and Bolt Retainer* | -1870K |

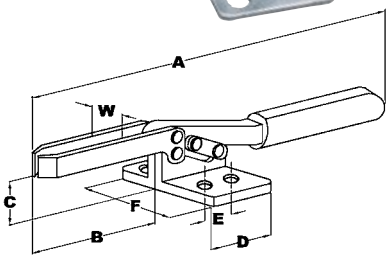
# TOGGLE CLAMPS

## INDEXA Horizontal Industrial Toggle Clamp

With a low profile design suitable for use in applications requiring increased access to the actual workpiece. Available in eight sizes for general application in areas where a lower profile is required. Force applied downwards 90° to bar.




**Horizontal Clamp (mm)**

| Holding Capacity | A | B | C | D | E | F | W |
|---|---|---|---|---|---|---|---|
| 30kg | 76.5 | 28.0 | 12.5 | 24.0 | 11.5 | 28.5 | 8.5 |
| 90kg | 138.0 | 55.0 | 25.4 | 37.0 | 25.4 | 36.0 | 7.4 |
| 227kg | 168.0 | 70.0 | 34.9 | 38.0 | 25.4 | 35.0 | 8.3 |
| 300kg | 270.0 | 85.0 | 36.5 | 58.0 | 34.0 | 60.0 | 11.0 |
| 340kg | 262.0 | 107.5 | 46.9 | 57.1 | 41.3 | 57.2 | 11.0 |
| 400kg | 240.0 | 60.0 | 54.0 | 70.0 | 42.0 | 50.0 | 12.6 |
| 500kg | 270.0 | 91.2 | 38.0 | 58.0 | 37.0 | 70.0 | 11.0 |
| 636kg | 272.0 | 76.2 | 51.0 | 90.0 | | 48.0 | 12.7 |

| Product Number | Holding Capacity | Movement | | Base Type | Supplied with | Order Code IND-443 |
|---|---|---|---|---|---|---|
| | | Handle | Bar | | | |
| H65-FA | 75kg | 76° | 94° | Flanged | Hex Head Spindle (M5) Moulded PVC Handles | -1960K |
| H86-FA | 150kg | 76° | 94° | | Hex Head Spindle (M6) Moulded PVC Handles | -1970K |
| H217-FA | 250kg | 76° | 94° | | Hex Head Spindle (M8) Moulded PVC Handles | -1980K |
| H30-FA | 30kg | 88° | 80° | | Tipped Spindle (M4) | -2020K |
| H90-FA | 90kg | 60° | 85° | | Tipped Spindle (¼") and Flanged Washer | -2120K |
| H227-FA | 227kg | 65° | 90° | | Tipped Spindle (5/16") and Flanged Washer | -2220K |
| H300-FA | 300kg | 85° | 80° | | Hexagon Head Spindle (3/8") and Flanged Washer | -2320K |
| H340-FA | 340kg | 50° | 85° | | Tipped Spindle (3/8") and Flanged Washer | -2420K |
| H400-FA | 400kg | 85° | 84° | | Tipped Spindle (3/8") and Flanged Washer | -2520K |
| H500-FA | 500kg | 85° | 65° | | Hexagon Head Spindle (M10) and Flanged Washer | -2620K |

**Single mounting centre hole 13mm diameter for 'Tee' bolt mounting

## INDEXA Latch Type Toggle Clamp

Suitable for sealing chamber doors or mould closures. The latched bolts are threaded to allow easy adjustment and provide positive connection with latch plate.

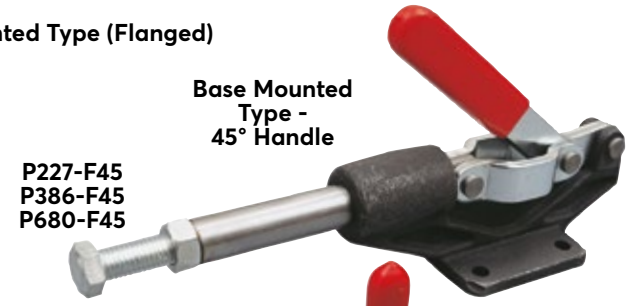
*Optional latch plate **IND-443 -8000K**

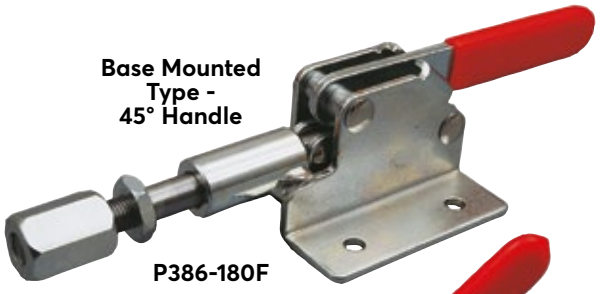
| Product Number | Holding Capacity | Drawing Movement | Drawing Adjust | Base Type | Description | Order Code IND-443 |
|---|---|---|---|---|---|---|
| L164-FU | 164kg | 30mm | 9.9mm | Flanged | U-Style Bolt | -4070K |
| L318-FU | 318kg | 45mm | 9.6mm | | U-Style Bolt | -4010K |
| L900-FU | 900kg | 80mm | 23.8mm | | U-Style Bolt | -4130K |
| L1818-FU | 1818kg | 88.9mm | 19mm | | U-Style Bolt* | -4170K |
| L3400-FU | 3400kg | 55.6mm | 28.6mm | | U-Style Bolt* | -4210K |
| L170-FJ | 170kg | 100mm | 6.5mm | | J-Style Bolt | -4030K |
| L170-FJ | 170kg | 105mm | 35mm | | J-Style Bolt | -4050K |
| L225-FU90 | 225kg | 25mm | 15mm | | 90° Angle U-Style Bolt | -4090K |
| L450-FU90 | 450kg | 65mm | 33mm | | 90° Angle U-Style Bolt | -4110K |

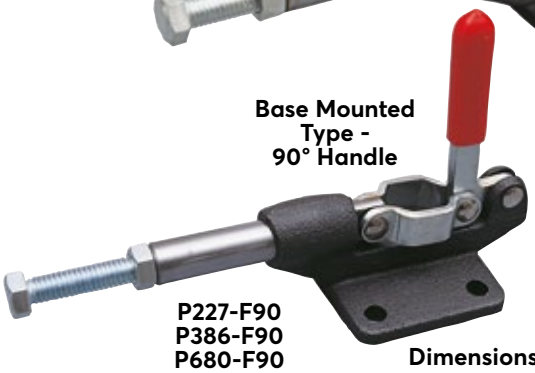
# INDEXA Push Pull Industrial Toggle Clamp

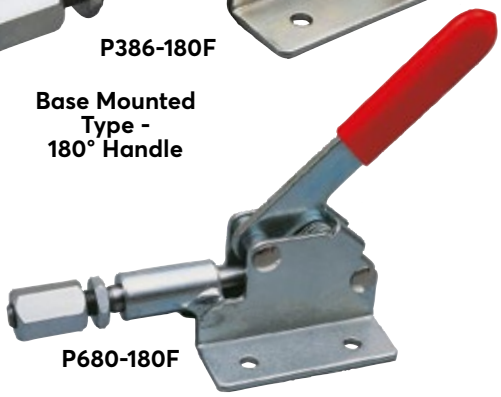
The straight line action which gives these plunger-style clamps extremely high loading capacities whilst maintaining compactness. These clamps also lock in the open position which allows a 'pull' to be exerted (for instance, in use with foam moulds). All models have tapped spindles for use with adjustable spindles.

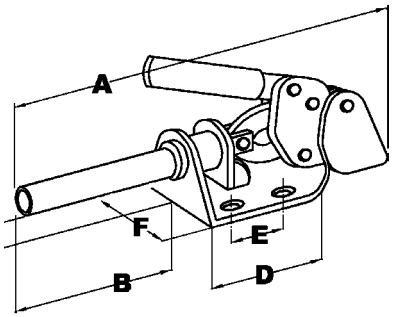
## Base Mounted Type (Flanged)



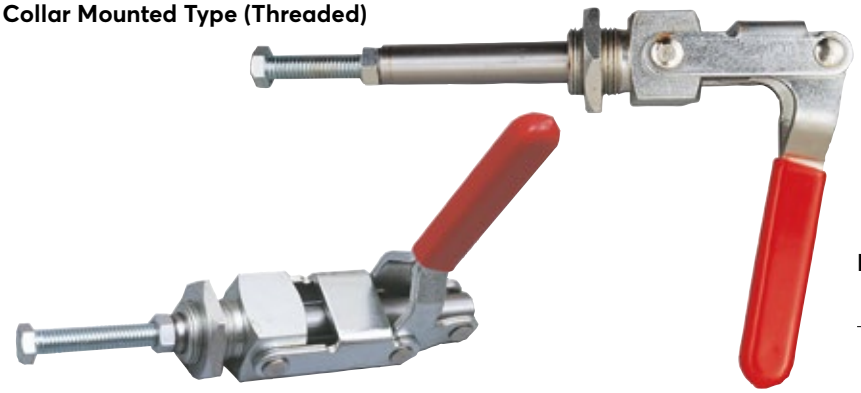



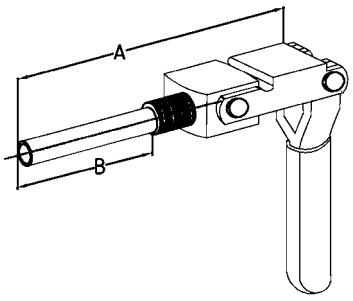

**Dimensions (mm)**

| Holding Capacity | A – Excluding Handle | B | C | D | E | F |
|---|---|---|---|---|---|---|
| 45kg | 72.2 | 38.9 | 9.5 | 33.3 | 15.0 | 27.0 |
| 50kg | 71.9 | 16.9 | 13.0 | 49.0 | 24.0 | 42.0 |
| 136kg | 138.0 | 47.0 | 24.6 | 48.0 | 35.0 | 56.0 |
| 160kg | 146.0 | 76.0 | 15.5 | 70.0 | 40.0 | 72.0 |
| 200kg | 124.5 | 41.5 | 14.0 | 48.0 | 40.0 | 50.0 |
| 227kg | 125.4 | 52.4 | 19.0 | 52.4 | 35.0 | 57.2 |
| 295kg | 204.0 | 112.0 | 17.7 | 92.0 | 60.0 | 83.0 |
| 386kg | 158.8 | 81.0 | 23.8 | 58.8 | 41.4 | 57.2 |
| 680kg | 238.2 | 120.8 | 35.0 | 73.2 | 50.8 | 71.4 |
| 1136kg | 178.6 | 50.8 | 12.5 | 127.8 | 34.9 | 56.2 |
| 1136kg | 178.6 | 50.8 | 12.5 | 127.8 | 41.3 (6 holes) | 56.2 |
| 1600kg | 310.0 | 87.0 | 47.0 | 227.0 | 80.0 | 107.0 |

| Product Number | Holding Capacity | Spindle Thread | Handle Movement | Handle Position | Base Type | Supplied With | Order Code IND-443 |
|---|---|---|---|---|---|---|---|
| P45-F45 | 45kg | ¼" UNC x 12 Deep | 190° | 45° Extended | Flanged | Nylon Spindle | **-3030K** |
| P136-F45 | 136kg | M8 | 180° | 45° Extended | Flanged | Hexagon Head Spindle | **-3060K** |
| P200-F45 | 180kg | M8 x 1.25 | 144.5° | 45° Extended | Flanged | Hexagon Head Spindle | **-3090K** |
| P180-FA | 180kg | M8 x 1.25 | 145° | 45° Extended | Flanged | Hexagon Head Spindle | **-3100K** |
| P227-F45 | 227kg | M8 | 180° | 45° Extended | Flanged | Hexagon Head Spindle | **-3120K** |
| P386-F45 | 386kg | M10 | 180° | 45° Extended | Flanged | Hexagon Head Spindle | **-3180K** |
| P680-F45 | 680kg | M12 | 180° | 45° Extended | Flanged | Hexagon Head Spindle | **-3240K** |
| P1136-F45 | 1136kg | M10 | 180° | 45° Extended | Flanged | Hexagon Head Spindle | **-3300K** |
| P227-F90 | 227kg | M8 x 30 Deep | 180° | 90° Extended | Flanged | Hexagon Head Spindle | **-3150K** |
| P386-F90 | 386kg | M10 x 40 Deep | 180° | 90° Extended | Flanged | Hexagon Head Spindle | **-3210K** |
| P680-F90 | 680kg | M12 x 50 Deep | 180° | 90° Extended | Flanged | Hexagon Head Spindle | **-3270K** |
| P50-180F | 50kg | M5 | 66° | 180° Extended | Flanged | Hexagon Head Spindle | **-3700K** |
| P386-180F | 160kg | M10 | 45° | 180° Extended | Flanged | Hexagon Head Spindle | **-3730K** |
| P680-180F | 295kg | ½" UNC | 45° | 180° Extended | Flanged | Hexagon Head Spindle | **-3760K** |

## Collar Mounted Type (Threaded)






**Dimensions (mm)**

| Holding Capacity | A – Excluding Handle | B |
|---|---|---|
| 91kg | 30.3 | 20.6 |
| 136kg | 115.0 | 37.7 |
| 318kg | 169.5 | 65.3 |

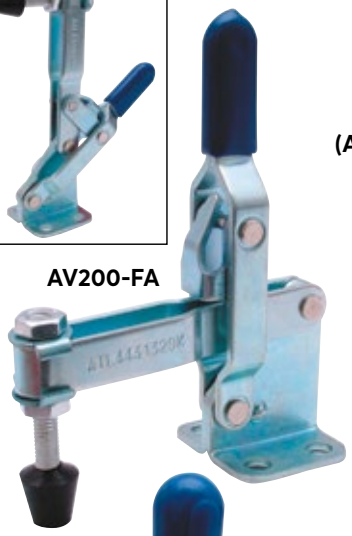
| Product Number | Holding Capacity | Spindle Thread | Collar Thread | Handle Movement | Base Type | Supplied with | Order Code IND-443 |
|---|---|---|---|---|---|---|---|
| P91-FT | 91kg | ¼" UNC | M16 | 180° | | Nylon Spindle | **-3530K** |
| P136-FT | 136kg | 5/16" UNC | M20 | 180° | Flanged | Hexagon Head Spindle | **-3560K** |
| P318-FT | 318kg | ⅜" UNC | M27 | 180° | | Hexagon Head Spindle | **-3590K** |

# TOGGLE CLAMPS

## Vertical Industrial Toggle Clamp

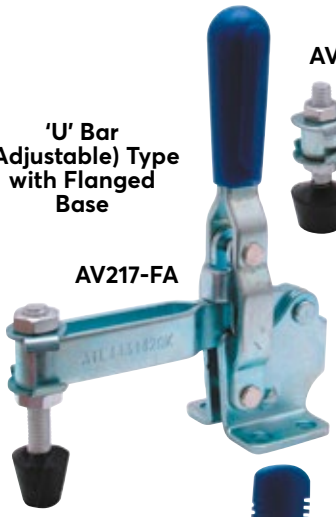
Designed to improve performance in fabrication and engineering clamping applications. The rapid clamping/unclamping made possible by the use of toggle clamps can greatly reduce machine/operator 'down-time' during all stages of production.

AV200-FA



'U' Bar (Adjustable) Type with Flanged Base

AV217-FA

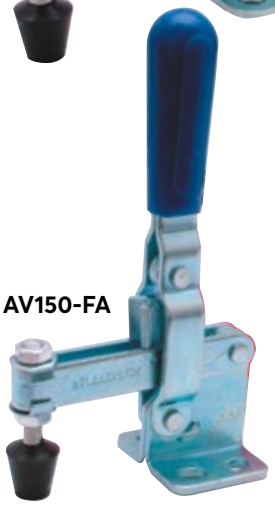


AV50-FA

'U' Bar (Adjustable) Type with Side Facing Flanged Base

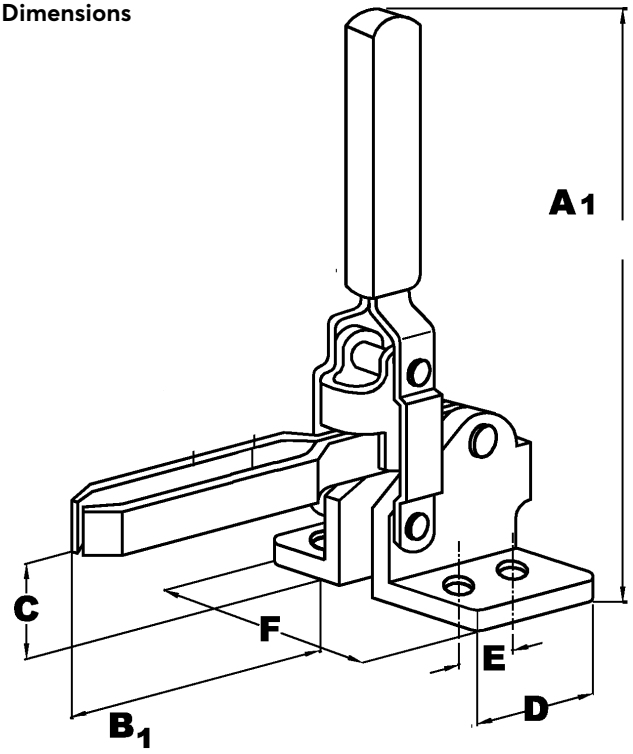
AV90-FA

AV150-FA



AV450-FA

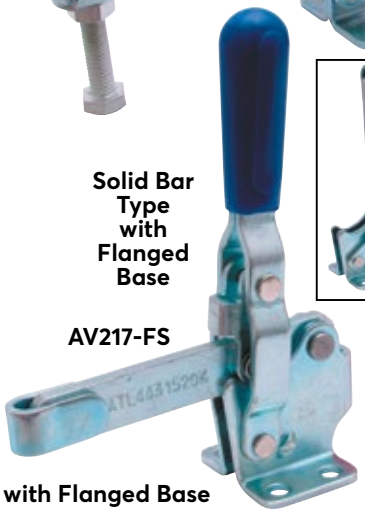
Dimensions




Fixed Spindle Type with Flanged Base

AV80-FF

Solid Bar Type with Flanged Base



AV217-FS

### 'U' Bar (Adjustable) Type with Flanged Base

| Product Number | $A_1$ Flanged Base | $B_1$ Flanged Base | C Flanged Base | D | E | F Flanged Base |
|---|---|---|---|---|---|---|
| AV50-FA | 75.0 | 24.5 | 17.0 | 25.4 | 15.9 | 33.0 |
| AV90-FA | 119.0 | 33.0 | 45.0 | 35.0 | 14.0 | 30.0 |
| AV150-FA | 143.0 | 44.0 | 31.0 | 35.0 | 12.7 | 42.0 |
| AV200-FA | 139.0 | 63.0 | 38.0 | 43.0 | 24.0 | 50.0 |
| AV217-FA | 139.7 | 71.4 | 31.8 | 34.9 | 19.0 | 46.0 |
| AV450-FA | 272.0 | 125.0 | 62.0 | 70.0 | 40.0 | 70.0 |

### Fixed Spindle Type with Flanged Base

| Product Number | $A_1$ Flanged Base | $B_1$ Flanged Base | C Flanged Base | D | E | F Flanged Base |
|---|---|---|---|---|---|---|
| AV80-FF | 100.0 | 27.0 | 23.8 | 25.4 | 12.7 | 39.7 |
| AV217-FS | 139.7 | 57.2 | 31.8 | 34.9 | 19.0 | 46.0 |

### 'U' Bar (Adjustable) Type with Flanged Base

| Product Number | Holding Capacity | Movement | | Base Type | Supplied With | Order Code ATL-443 |
|---|---|---|---|---|---|---|
| | | Handle | Bar | | | |
| AV50-FA | 50kg | 56° | 100° | Flanged | Tipped Spindle (M5) and Flanged Washers | -1020K |
| AV90-FA** | 90kg | 60° | 100° | | Spindle (M6) and Bolt Retainer | -1220K |
| AV150-FA | 150kg | 70° | 108° | | Hex Head Spindle (M6) Moulded PVC Handle | -1970K |
| AV200-FA | 200kg | 45° | 94° | | Hex Head Spindle (M8) and Flanged Washers | -1320K |
| AV217-FA | 217kg | 60° | 100° | | Tipped Spindle (M8) and Flanged Washers | -1420K |
| AV450-FA | 450kg | 70° | 135° | | Hex Head Spindle (M12) and Flanged Washers | -1720K |

** Model AV90-FA has Side Flange - All other FA models ed have Flat Flanges

### Fixed Spindle Type with Flanged Base

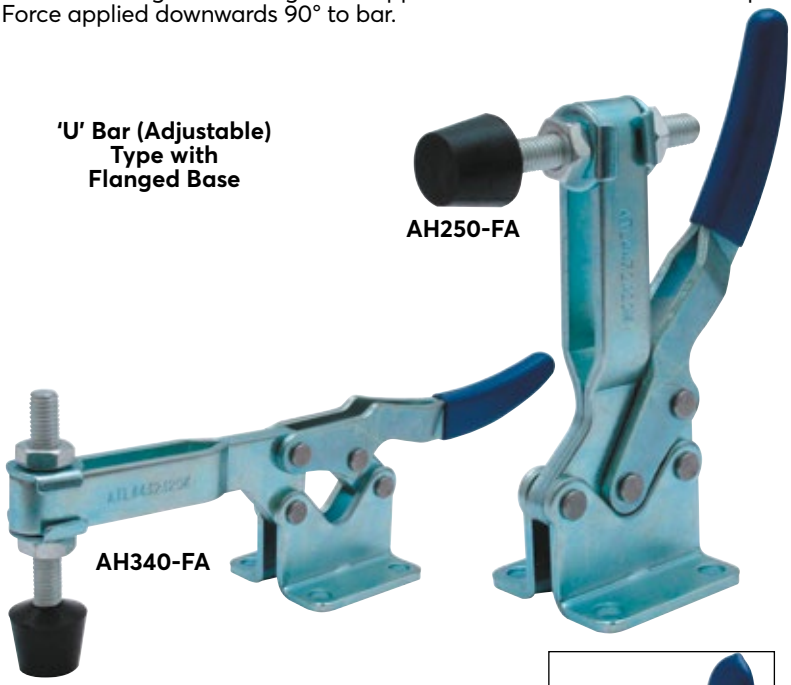
| Product Number | Holding Capacity | Movement | | Base Type | Supplied With | Order Code ATL-443 |
|---|---|---|---|---|---|---|
| | | Handle | Bar | | | |
| AV80-FF | 90kg | 60° | 100° | Flanged | Fixed Spindle (M8) | -1120K |
| AV217-FS | 217kg | 60° | 100° | | Solid Bar and Bolt Retainer (M8)* | -1520K |

*Please note that the bolt retainer supplied needs to be welded in to position by the user

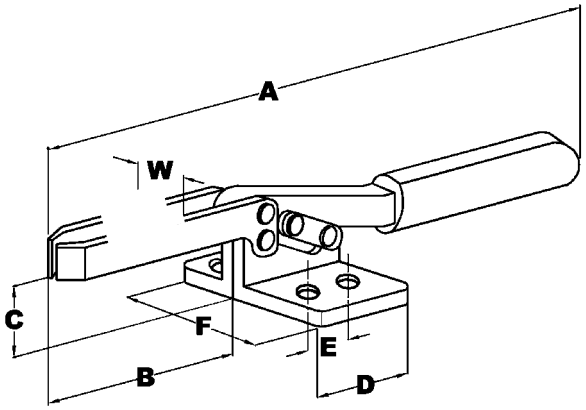
## ATLAS WORKHOLDERS Horizontal Industrial Toggle Clamps

With a low profile design suitable for use in applications requiring increased access to the actual workpiece. Available in eight sizes for general application in areas where a lower profile is required. Force applied downwards 90° to bar.

**'U' Bar (Adjustable) Type with Flanged Base**



**Dimensions**



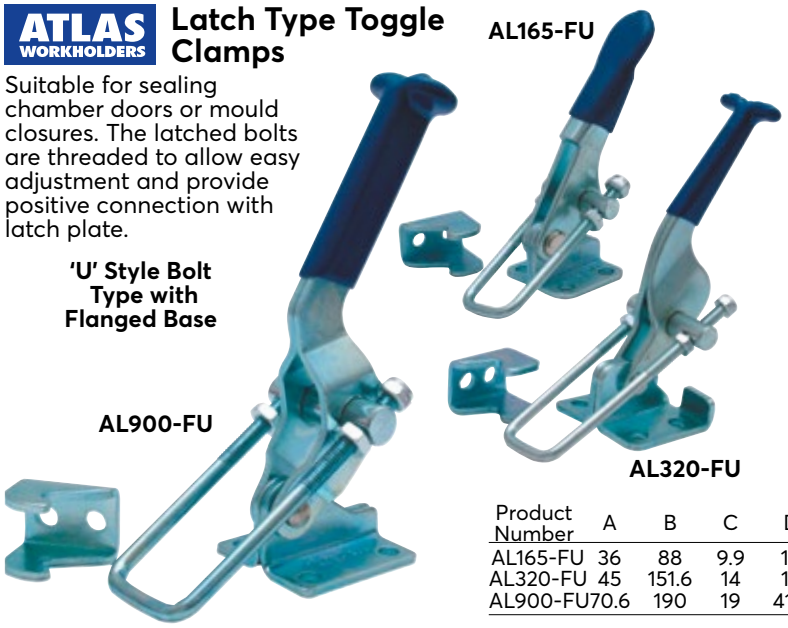

| Product Number | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| AH20-FA | 110.0 | 37.5 | 24.8 | 36.5 | 24.0 | 30.0 |
| AH80-FA | 138.1 | 55.0 | 25.4 | 36.5 | 25.4 | 38.0 |
| AH217-FA | 168.0 | 70.0 | 34.9 | 38.0 | 53.4 | 35.0 |
| AH250-FA | 274.0 | 108.0 | 45.0 | 59.0 | 41.2 | 59.0 |
| AH340-FA | 263.5 | 108.0 | 44.4 | 57.2 | 41.3 | 57.2 |

| Product Number | Holding Capacity | Movement | | Base Type | Supplied with | Order Code ATL-443 |
|---|---|---|---|---|---|---|
| | | Handle | Bar | | | |
| AH20-FA | 30kg | 88° | 80° | | Tipped Spindle (M6) and Flanged Washers | -2020K |
| AH80-FA | 80kg | 60° | 85° | | Tipped Spindle (M6) and Flanged Washers | -2120K |
| AH217-FA | 217kg | 65° | 90° | Flanged | Tipped Spindle (M8) and Flanged Washers | -2220K |
| AH250-FA | 250kg | 94° | 76° | | Hexagon Head Spindle (M10) and Flanged Washers | -2620K |
| AH340-FA | 340kg | 50° | 85° | | Tipped Spindle ((M10) and Flanged Washers | -2420K |

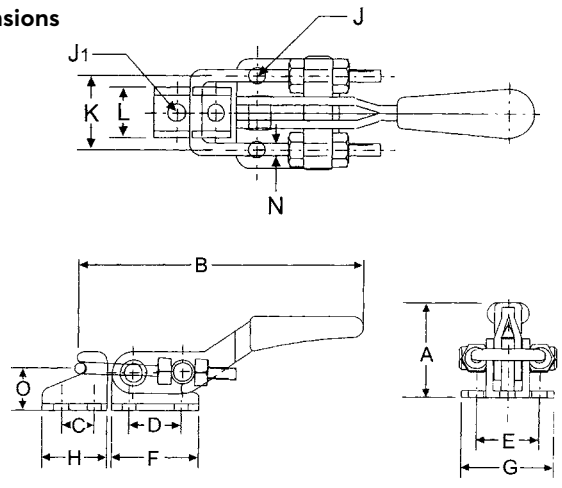
## ATLAS WORKHOLDERS Latch Type Toggle Clamps

Suitable for sealing chamber doors or mould closures. The latched bolts are threaded to allow easy adjustment and provide positive connection with latch plate.

**'U' Style Bolt Type with Flanged Base**




**Dimensions**




| Product Number | A | B | C | D | E | F | G | H | J | $J_1$ | K | L | N | O |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AL165-FU | 36 | 88 | 9.9 | 16 | 19 | 26 | 28 | 45 | 4.3 | 4.3 | 19 | 13.2 | 3.3 | 12 |
| AL320-FU | 45 | 151.6 | 14 | 19 | 31.8 | 39.6 | 44.5 | 25 | 6.8 | 6.8 | 25.4 | 17.5 | 4 | 17 |
| AL900-FU | 70.6 | 190 | 19 | 41.4 | 38 | 60.5 | 54 | 38 | 8.4 | 8.4 | 44.5 | 30.0 | 8 | 24 |

| Product Number | Holding Capacity | Drawing Movement | Drawing Adjust | Base Type | Description | Order Code ATL-443 |
|---|---|---|---|---|---|---|
| AL165-FU | 165kg | 30mm | 9.9mm | | U-Style Bolt | -4070K |
| AL320-FU | 320kg | 45mm | 9.6mm | Flanged | U-Style Bolt | -4010K |
| AL900-FU | 900kg | 80mm | 23.8mm | | U-Style Bolt | -4130K |

# TOGGLE CLAMPS

## INDEXA Latch Plates

For use with latch type toggle clamps.

| Base Size | Hook Width | Order Code IND-443 |
|---|---|---|
| 80 x 55mm | 22mm | -8000K |

## INDEXA Flanged Washers

For use in conjunction with all spindles on clamps with adjustable 'U' bars.

| To fit Spindle | Weight each | Order Code IND-443 |
|---|---|---|
| 1/4" | 4g | -8740K |
| 5/16" (M8) | 10g | -8780K |
| 3/8" (M10) | 15g | -8800K |
| 1/2" | 37g | -8820K |

## INDEXA Neoprene Capped Spindles

For use with adjustable 'U' bar type clamps and solid bar type clamps that have bolt retainers.

| Size | Length | Weight each | Order Code IND-443 |
|---|---|---|---|
| M4 x 0.70 | 25mm | 5g | -8020K |
| M8 x 1.25 | 63mm | 34g | -8100K |
| M10 x 1.5 | 85mm | 64g | -8140K |
| No 10UNC | 1 3/8" | 9g | -8200K |
| 1/4" UNC | 1 3/4" | 16g | -8220K |
| 5/16" UNC | 2 1/2" | 31g | -8260K |

## INDEXA Neoprene Caps

For standard adjustable spindles.

| To fit Spindle | Weight each | Order Code IND-443 |
|---|---|---|
| 1/4" | 08g | -8600K |
| 5/16" | 15g | -8620K |
| 3/8" | 24g | -8640K |
| 1/2" | 45g | -8660K |

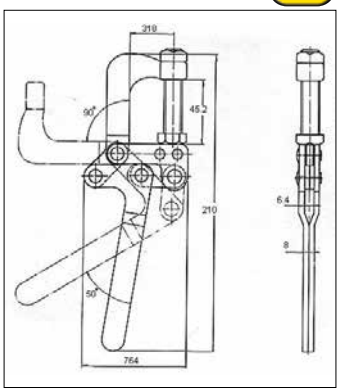
## INDEXA Heavy-Duty Weldable Toggle Clamps

Hold down action suitable for high production automotive type applications. Heavy duty forged components with hardened and ground pivot points. The users provide their own handle and bar and weld them to the clamp which is then welded to a base. The flexible mounting of these clamps allows them to be used in situations where standard clamps are not effective.

| Holding Capacity | Base Width | Clamp Height with Handle | Order Code IND-443 |
|---|---|---|---|
| 700kg | 45mm | 130mm | -5030K |

## INDEXA Cam Type Toggle G-Clamp (Pull Back Clamp)

To securely fix the clamp into position the base can be welded to the work surface.




| Holding Capacity | Jaw Opening | Jaw Movement | Handle Movement | Order Code IND-443 |
|---|---|---|---|---|
| 340kg | 45.2mm | 90° | 50° | -5510K |

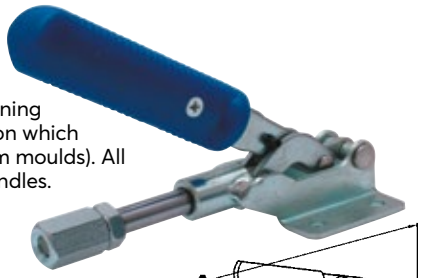
## INDEXA Toggle Pliers

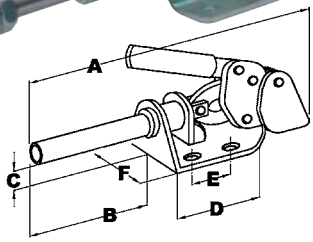
Toggle pliers have the advantage of a pivoting jaw mechanism to allow a deep throat depth to open and close easily when clamping awkward profiles such as steel angle section. The jaw spindle can be pre-set to achieve the optimum clamping distance and pressure and so is most useful for repetitious clamping applications.

| Holding Capacity | Jaw Min | Opening Max | Standard Spindle Supplied | Order Code IND-443 |
|---|---|---|---|---|
| 90kg | 25.4mm | 52.4mm | Hex. Head | -4510K |
| 159kg | 31.8mm | 65.1mm | | -4530K |
| 318kg | 44.4mm | 92.0mm | Swivel | -4550K |
| 318kg | 76.2mm | 123.8mm | Hex. Head & Swivel | -4570K |

## ATLAS WORKHOLDERS Push Pull Industrial Toggle Clamps

The straight line action which gives these plunger-style clamps extremely high loading capacities whilst maintaining compactness. These clamps also lock in the open position which allows a 'pull' to be exerted (for instance, in use with foam moulds). All models have tapped spindles for use with adjustable spindles.






| Product Number | A – Excl. Handle | B | C | D | E | F |
|---|---|---|---|---|---|---|
| AP136 | 138.1 | 49.2 | 24.6 | 88.9 | 34.9 | 55.6 |
| AP200 | 124.5 | 41.5 | 20.0 | 83.0 | 40.0 | 50.0 |
| AP227 | 151.0 | 63.0 | 20.0 | 88.0 | 32.0 | 63.0 |

| Product Number | Holding Capacity | Spindle Thread | Handle Movement | Handle Position | Base Type | Supplied With | Order Code ATL-443 |
|---|---|---|---|---|---|---|---|
| AP136 | 136kg | M8 | 180° | | | Hexagon Head Spindle | -3060K |
| AP200 | 200kg | M8 x 1.25 | 150° | 45° | Flanged | Hexagon Head Spindle | -3090K |
| AP227 | 227kg | M8 x 30 Deep | 190° | Extended | | Hexagon Head Spindle | -3150K |

# MACHINE VICES/BENCH SHEARS



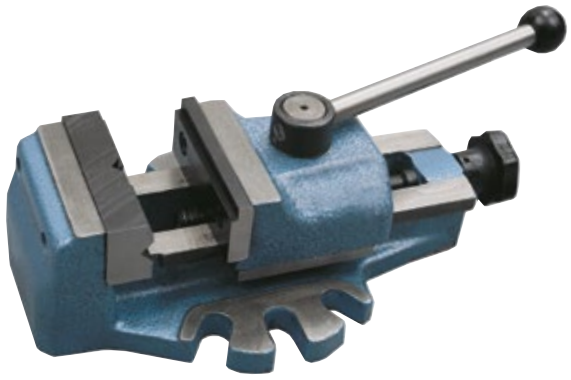
## SENATOR QUALITY TOOLING Drill Press Vice

Suitable for use on pillar/bench drills to steady the workpiece in all light duty drilling applications for the garage or small workshop. Cast construction with machined slots which are spaced to fit all popular drill stand bases. Cross drilled handle with sliding T-bar for extra leverage.

| Jaw Width | Maximum Opening | Jaw Height | O/all Dimensions Length x Height | Order Code **SEN-445** |
|---|---|---|---|---|
| 75mm | 55 | 23 | 200 x 45 | **-0750K** |
| 100mm | 95 | 25 | 250 x 55 | **-1000K** |

## INDEXA Quick Grip Drill Press Vices

**Fixed Jaw**
Quick acting cam can be set instantly to hold work. Fixed jaw with V-block to handle flat or round pieces, vertically or horizontally. Jaw inserts are hardened and ground. The heavy base can be clamped down to a milling machine or drill press.



| Jaw Width | Jaw Height | Maximum Opening | Order Code **IND-445** |
|---|---|---|---|
| 80mm | 30mm | 80mm | **-0170K** |
| 100mm | 35mm | 100mm | **-0180K** |

## INDEXA Industrial Lathe Carriers

Available with straight or bent tail. Manufactured from high grade, malleable cast iron with high tensile strength. Smooth action square head clamping screw.

**Straight**

**Bent**

| Type | Capacity | Weight each | Order Code **IND-445** |
|---|---|---|---|
| Straight | 12.5mm | 0.10kg | **-9000K** |
| | 19.0mm | 0.15kg | **-9010K** |
| | 25.0mm | 0.30kg | **-9020K** |
| | 38.0mm | 0.70kg | **-9040K** |
| | 50.0mm | 1.50kg | **-9060K** |

## ATLAS WORKHOLDERS Machine Vices

**Machine Vices without Swivel Base**
Manufactured in accordance with high quality criteria. Designed for general purpose milling, planing and drilling applications.

**Machine Vices with Swivel Base Type**
Also available complete with a swivel base designed for milling, planing and drilling applications.
Graduated to 1°.

**Swivel Base Type**

**Jaws are fully ground in pairs**

| Jaw Width | Max. Opening | Jaw Height | Dimensions L x W x H | Order Code **ATL-445** |
|---|---|---|---|---|
| **Without Swivel Base** | | | | |
| 100mm | 80 | 35 | 245 x 115 x 89 | **-0100K** |
| 160mm | 125 | 51 | 411 x 187 x 120 | **-0150K** |
| 200mm | 160 | 63 | 440 x 220 x 140 | **-0200K** |
| **With Swivel Base** | | | | |
| 100mm | 80 | 35 | 195 x 145 x 110 | **-1100K** |
| 160mm | 125 | 51 | 411 x 187 x 167 | **-1150K** |
| 200mm | 160 | 63 | 440 x 220 x 187 | **-1200K** |

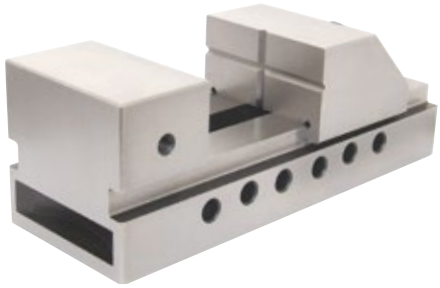
**Spare Jaws to suit Atlas Machine Vices**

| Width | Order Code **ATL-445** |
|---|---|
| 100mm | **-1040K** |
| 160mm | **-1060K** |
| 200mm | **-1080K** |

## ATLAS WORKHOLDERS Toolmaker's Vice - V-Groove Jaw

Made from alloy steel, case hardened. With a quick release mechanism.

**Accuracy:**
0.005mm.

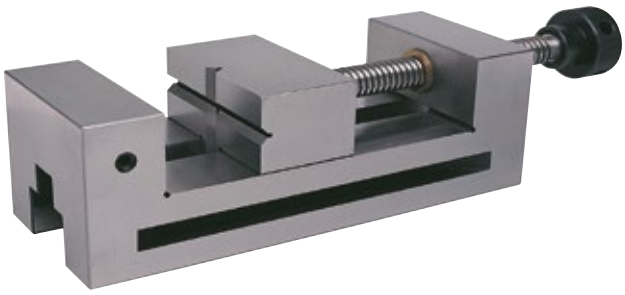


| Jaw Dimensions Width x Opening x Height | Overall Length | Order Code **ATL-445** |
|---|---|---|
| 50 x 65 x 25mm | 135 | **-0310K** |

## ATLAS WORKHOLDERS Toolmaker's Vices

Manufactured from high carbon steel, precision ground on all faces. Phosphor bronze bush, 90° vee on clamping jaws.

**Standard Precision Toolmaker's Vices**
Squareness and parallelism to within **0.005mm**.



| Jaw Dimensions Width x Opening x Height | Overall Length | Order Code **ATL-445** |
|---|---|---|
| 63 x 85 x 32mm | 185 | **-2010K** |
| 100 x 125 x 45mm | 255 | **-2050K** |

# BENCH VICES



## KENNEDY PROFESSIONAL Steel Bench Vices

These premium quality bench vices are as good as you get, made from solid steel with replaceable jaws, integral pipe jaws and anvil for versatility.
Available in
100mm (4")
150mm (6")
200mm (8").

| Model Number | Opening (mm) | Jaw Width (mm) | Weight each | Order Code KEN-445 |
|---|---|---|---|---|
| VBS100 | 100 (4") | 90 (3 9/16") | 6.30kg | -0500K |
| VBS150 | 150 (6") | 150 (6") | 18.25kg | -0540K |
| VSB200 | 200 (8") | 205 (8") | 25.00kg | -0300K |

## KENNEDY Workshop Vice - American Pattern

American pattern, bench mounting steel vice with anvil suitable for workshop, garage and machine-shop use. Fixed base directly mounts onto work bench. Cast iron body with steel jaws and a cross drilled threaded handle with adjustable T-bar for extra leverage.

| Opening (mm) | Jaw Width (mm) | Weight each | Order Code KEN-445 |
|---|---|---|---|
| 127 (5") | 100 (4") | 12.3kg | -2040K |
| 178 (7") | 150 (6") | 25.0kg | -2060K |

## SENATOR QUALITY TOOLING Light Duty Bench Vice

For light workshop, engineering and automotive use. Cast iron body with precision cut screw mechanism. The base bolts directly to the work bench surface for stability.

| Opening (mm) | Jaw Width (mm) | Weight each | Order Code SEN-445 |
|---|---|---|---|
| 127 (5") | 100 (4") | 5.5kg | -0510K |
| 170 (6 1/2") | 125 (5") | 11.3kg | -0520K |
| 190 (7 1/2") | 150 (6") | 15.3kg | -0530K |

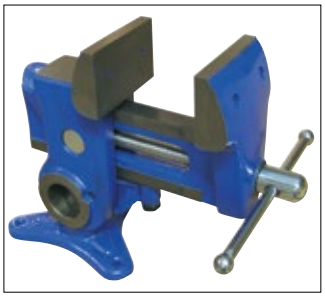
## SENATOR QUALITY TOOLING Portable Bench Vice

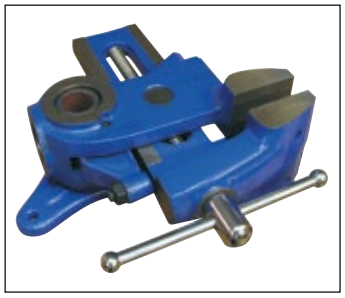
Lightweight and portable with a swivel base and light duty anvil. Ideal for model makers, DIY and light industrial use. Can be fitted to any convenient work surface. Solid cast grey iron body with steel guide rods and main screw.

| Opening (mm) | Jaw Width | Weight each | Order Code SEN-445 |
|---|---|---|---|
| 70 (2 3/4") | 60 | 2.8kg | -0600K |

## SENATOR QUALITY TOOLING 125mm (5") Universal Vice

Can be bench mounted either vertically or horizontally, and on either side. Unique design permits the vice to rotate a full 360° then self-lock when jaws are tightened.
**Jaw height:** 54mm (2 1/8").





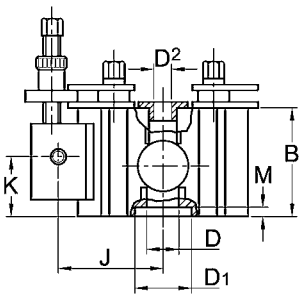
| Opening (mm) | Jaw Width | Jaw Height | Weight each | Order Code SEN-445 |
|---|---|---|---|---|
| 70 (5") | 90 (3 1/2") | 54 (2 1/8") | 8.2kg | -4050K |

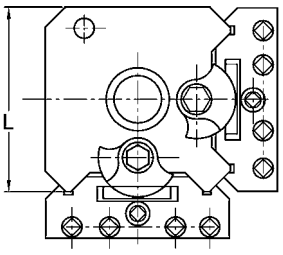
# INDEXA Quick Change Toolposts

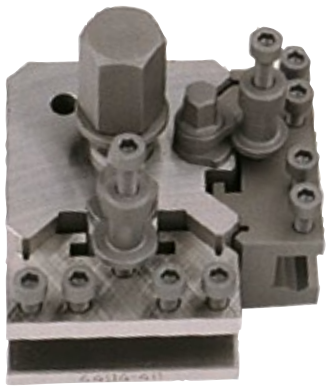
Made of alloy case steel. All working surfaces are hardened and precision ground.

## Toolposts Type T.00 - T.0

**Set-up for 2 Toolholders**



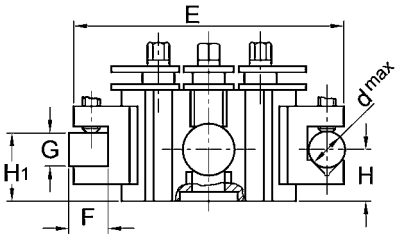



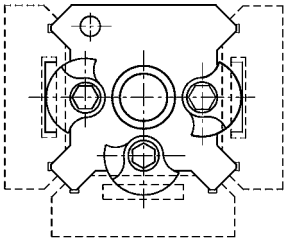
| Type | No. of Toolholders | Lathe Capacity | B | $D_1$ Dia. | M Depth | D | E | G | F | $H_1$ Max | $H_1$ Min. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| T.00M | 2 | Up to 89mm | 37.0 | - | - | 11.2 | - | 10 | 11 | 27 | 17 |
| T.00B | 2 | Up to 89mm | 42.0 | - | - | 16.0 | - | 10 | 11 | 32 | 17 |
| T.0 | 3 | Up to 114mm | 51.0 | 22.22 | 5.0 | 19.0 | 124 | 13 | 13 | 36.5 | 20.5 |

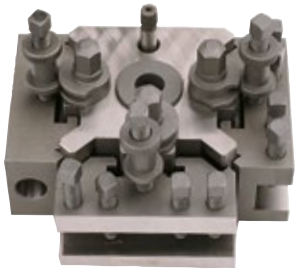
| Type | Bar dia. d Max. | H Max. | H Min. | Taper | J | K Max. | K Min. | L | $D_2$ | Weight each | Order Code IND-445 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| T.00M | 11.0 | 22.5 | 12.5 | - | - | - | - | 58.0 | - | 0.90kg | **-4800K** |
| T.0 | 16.0 | 32.0 | 16.0 | 1 | 52.5 | 28.5 | 16.0 | 73.0 | 16.0 | 2.00kg | **-4820K** |

## Toolposts Type T.1 - T.3

**Set-up for 3 Toolholders**



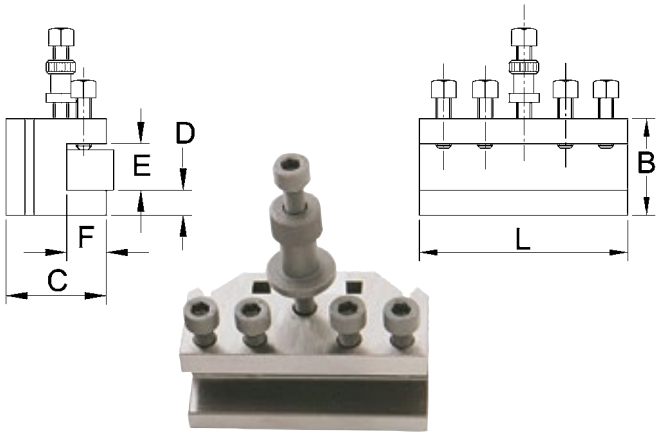


| Type | No. of Toolholders | Lathe Capacity | B | $D_1$ Dia. | M Depth | D | E | G | F | $H_1$ Max | $H_1$ Min. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| T.1 | 3 | 114 to 127mm | 63.5 | 31.75 | 6.5 | 19.0 | 124 | 19 | 13 | 46 | 30 |
| T.1X | 3 | 114 to 127mm | 73.0 | 31.75 | 6.5 | 19.0 | 124 | 19 | 13 | 57 | 35 |
| T.2 | 3 | 127 to 203mm | 71.5 | 44.45 | 8.0 | 25.5 | 159 | 19 | 19 | 54 | 36.5 |
| T.2T | 3 | 127 to 203mm | 76.0 | 44.45 | 8.0 | 25.5 | 168 | 25.5 | 25.5 | 58.5 | 39.5 |
| T.3 | 3 | 203 to 292mm | 92.0 | 50.80 | 9.5 | 25.5 | 203 | 31.5 | 22.5 | 73 | 51 |

| Type | Bar dia. d Max. | H Max. | H Min. | Taper | J | K Max. | K Min. | L | $D_2$ | Weight each | Order Code IND-445 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| T.1 | 16.0 | 44.5 | 25.5 | 1 | 52.5 | 41.0 | 22.0 | 73.0 | 16.0 | 2.30kg | **-4830K** |
| T.2 | 19.0 | 46.0 | 24.0 | 2 | 65.0 | 47.5 | 27.0 | 98.5 | 16.0 | 4.60kg | **-4850K** |
| T.2T | 19.0 | 50.0 | 24.0 | 2 & 3 | 70.0 | 47.5 | 27.0 | 106.5 | 16.0 | 5.80kg | **-4860K** |
| T.3 | 25.5 | 51.0 | 28.5 | 3 | 85.5 | 58.5 | 36.5 | 125.5 | 22.0 | 10.8kg | **-4870K** |

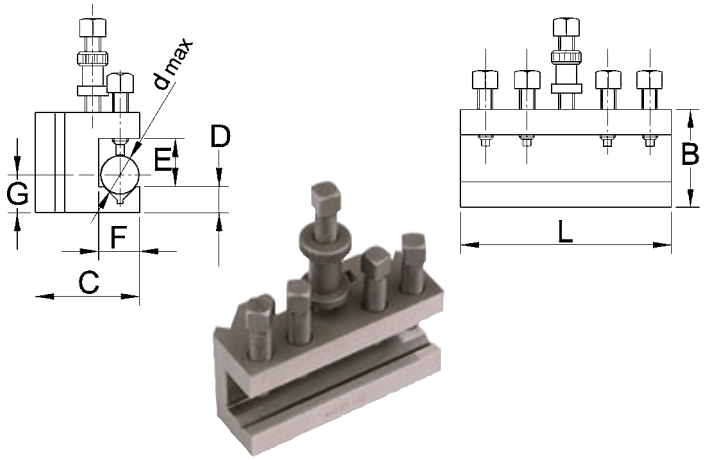
# INDEXA Toolholders for Quick Change Toolposts

## Standard Type




| Used On | L (mm) | B | C | D | E | F | Order Code IND-445 |
|---|---|---|---|---|---|---|---|
| T.00 | 58.0 | 27.0 | 28.0 | 7.0 | 13.0 | 11 | **-5010K** |
| T.0 | 73.0 | 35.0 | 32.0 | 8.0 | 16.0 | 14 | **-5020K** |
| T.1 | 73.0 | 44.5 | 32.0 | 11.0 | 22.0 | 14 | **-5030K** |
| T.2 | 98.5 | 50.0 | 40.0 | 12.0 | 22.0 | 19 | **-5040K** |
| T.2T | 98.5 | 57.0 | 40.0 | 14.0 | 28.5 | 19 | **-5050K** |
| T.3 | 124.0 | 70.0 | 48.5 | 17.5 | 35.0 | 23 | **-5060K** |

## Vee Type



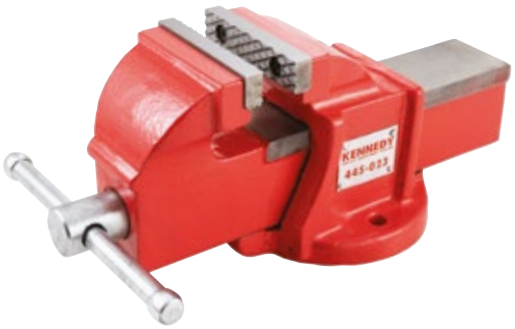

| Used On | L (mm) | B | C | D | E | F | G | d Max | Order Code IND-445 |
|---|---|---|---|---|---|---|---|---|---|
| T.00 | 58.0 | 27.0 | 28.0 | 8.0 | 13.0 | 11 | 13.5 | 11.0 | **-5110K** |
| T.0 | 73.0 | 35.0 | 32.0 | 8.0 | 16.0 | 14 | 16.0 | 16.0 | **-5120K** |
| T.1 | 73.0 | 44.5 | 32.0 | 16.0 | 17.0 | 14 | 24.0 | 16.0 | **-5130K** |
| T.2 | 98.5 | 50.0 | 40.0 | 14.0 | 22.0 | 19 | 24.0 | 19.0 | **-5140K** |
| T.2T | 98.5 | 57.0 | 40.0 | 14.0 | 28.5 | 19 | 24.0 | 19.0 | **-5150K** |
| T.3 | 124.0 | 70.0 | 48.5 | 17.5 | 35.0 | 23 | 28.5 | 25.5 | **-5160K** |

# VICE GRIPS / BENCH SHEARS



## KENNEDY® Engineer's Vice

Manufactured from the highest quality castings with precision cut screw mechanisms and precision machined jaws. Suitable for workshop, automotive and engineering use.



| Opening (mm) | Jaw Width (mm) | Weight each | Order Code **KEN-445** |
|---|---|---|---|
| 100 (4") | 75 (3") | 4.50kg | **-0230K** |
| 140 (5⅝") | 100 (4") | 9.50kg | **-0240K** |
| 170 (6¾") | 125 (5") | 18.0kg | **-0250K** |
| 190 (7⅝") | 150 (6") | 25.0kg | **-0260K** |
| 210 (8¼") | 200 (8") | 40.0kg | **-0280K** |

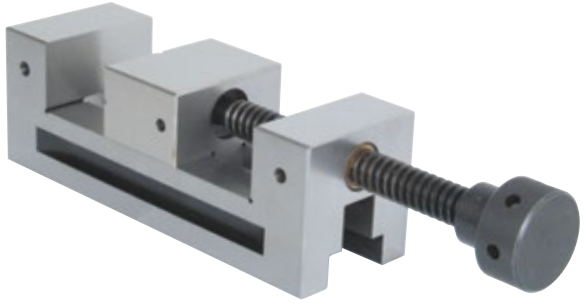
## INDEXA™ Drill Press Vices

Available in four different jaw widths. For drilling, light milling, vertical and horizontal work.One grooved and one plain replaceable jaw for square and hexagonal shapes across flats or corners, thin strips and discs. Jaws and lead screw are hardened and ground.

| Jaw Width | Jaw Opening | Order Code **IND-445** |
|---|---|---|
| 85mm | 70mm | **-0010K** |
| 100mm | 85mm | **-0020K** |
| 120mm | 120mm | **-0030K** |
| 150mm | 150mm | **-0040K** |

## INDEXA™ Precision Toolmaker's Vices

Squareness and parallelism to within **0.003mm**. Designed for precision grinding and many other tool room applications.

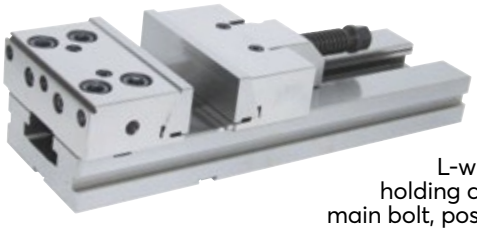


| Jaw Dimensions Width x Opening x Height | Overall Length | Weight each | Order Code **IND-445** |
|---|---|---|---|
| 50 x 65 x 25mm | | | **-0400K** |
| 73 x 100 x 35mm | 205 | 5.00kg | **-0430K** |
| 100 x 125 x 45mm | 255 | 13.00kg | **-0450K** |

## INDEXA™ Modular Precision Machine Vices

Precision modular vices are designed to be used on standard and CNC machines for precision grinding and milling. The vice could be set up individually or work in multiples, on tables or palletised components depending on the machined material dimensions. Made from hardened high grade alloy steel.

**Perpendicular accuracy:** 0.005mm.
**Parallelism:** 0.005mm.



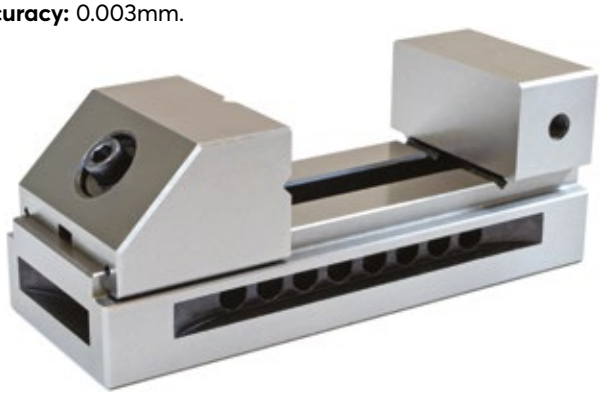
**Accessories:**
L-wrench, T-wrench, vice holding clamp, work stop with main bolt, positioning key-nuts etc.

| Jaw Width x Opening x Height | Overall Length | Clamping Force | Weight each | Order Code **IND-445** |
|---|---|---|---|---|
| 100 x 100 x 30mm | 270mm | 3000kg | | **-0600K** |
| 125 x 150 x 40mm | 345mm | 3000kg | 12.70kg | **-0620K** |
| 150 x 200 x 50mm | 420mm | 5000kg | 25.60kg | **-0640K** |
| 150 x 300 x 50mm | 520mm | 5000kg | 29.50kg | **-0660K** |

## INDEXA™ Toolmaker's Vice - V-Groove Jaw

Manufactured from high quality alloy steel, case hardened to HRC 58 - 62. With a rack quick release mechanism.

**Accuracy:** 0.003mm.



| Jaw Dimensions Width x Opening x Height | Overall Length | Weight each | Order Code **IND-445** |
|---|---|---|---|
| 63 x 85 x 32mm | 170mm | 2.95kg | **-0330K** |

## KENNEDY® Hand-Operated Bench Shears

- Hand operated, compound lever action makes for easier cutting
- For cutting through metal plates, strips and bars
- Solid steel frame is highly durable
- Hardened and precision ground blades for optimum cutting with minimal user effort
- Adjustable blade guard keeps the user safe when cutting

| Cutting Capacity | Order Code **KEN-448** |
|---|---|
| 10mm | **-2364D** |
| 13mm | **-2364E** |
| 16mm | **-2364F** |

## INDEXA Modular Coolant Hose System

Modular coolant hose system is ideal for coolants, fluids and air lines. Suitable for all wet machining, spark erosion and air line operations up to 50PSI air and 30PSI liquid. Flow direction is easily and accurately positioned with no spring-back. All parts are fully interchangeable and fully replaceable if a single section is damaged. Manufactured from acetal - non-conductive and chemical resistant. Available with ¼", ½" and ¾" bore. Hose is green, all other fittings are orange.

### Starter Packs

| Contents | Weight each | Order Code IND-447 |
|---|---|---|
| **¼" Bore** | | |
| 12" Hose<br>4 Nozzles<br>2 Connectors | 40g | -6910K |
| **½" Bore** | | |
| 13" Hose<br>3 Nozzles<br>2 Connectors | 91g | -7910K |
| **¾" Bore** | | |
| 14" Hose<br>2 Nozzles<br>1 Connectors | 126g | -8910K |

### Tube Segments

| Bore Size | Weight each | Order Code IND-447 |
|---|---|---|
| **11" Lengths (Green)** | | |
| ¼" | 40g | -6210K |
| ½" | 69g | -7210K |
| ¾" | 102g | -8210K |
| **25ft Bulk Pack (Green)** | | |
| ¼" | 886g | -6250K |
| ½" | 1637g | -7250K |
| ¾" | 2381g | -8250K |

### Modular Manifold Kits

4x T-Pieces, 2x Plug, 1x Bracket, 4x Screws

| Bore Size | Weight each | Order Code IND-447 |
|---|---|---|
| ¼" | 109g | -6450K |

## INDEXA Modular Coolant Hose System

### Threaded Spigots

**Male Spigot**

| Bore Size | Inlet Size | Weight each | Order Code IND-447 |
|---|---|---|---|
| ¼" | ⅛" NPT Female | 2g | -6710K |
| | ¼" NPT Female | 2g | -6730K |
| ¼" | ⅛" NPT Male | 2g | -6170K |
| | ¼" NPT Male | 2g | -6190K |
| ½" | ⅜" NPT Male | 7g | -7170K |
| | ½" NPT Male | 7g | -7190K |
| ¾" | ½" NPT Female | 7g | -7730K |
| | ¾" NPT Male | 10g | -8170K |

### Nozzles

**Flare**

**Pointed**

| Type | Size | Weight each | Order Code IND-447 |
|---|---|---|---|
| **¼" Bore** | | | |
| Pointed | 1/16" | 5g | -6610K |
| Pointed | ⅛" | 5g | -6630K |
| Pointed | 3/1" | 5g | -6640K |
| Pointed | ¼" | 5g | -6650K |
| Flare | 1" | 5g | -6670K |
| **½" Bore** | | | |
| Pointed | ¼" | 5g | -7610K |
| Pointed | ⅜" | 5g | -7630K |
| Pointed | ½" | 5g | -7650K |
| Flare | 1¾" | 5g | -7670K |
| Flare | 2½" | 5g | -7690K |
| **¾" Bore** | | | |
| Pointed | ⅝" | 10g | -8610K |
| Pointed | ¾" | 10g | -8630K |
| Flare | 3" | 10g | -8650K |

### Plastic Valves

¼ turn fitting.

| Bore Size | Inlet Type | Weight each | Order Code IND-447 |
|---|---|---|---|
| ¼" | In-line | 10g | -6050K |
| ½" | In-line | 30g | -7050K |

### Metal Ball Valves

Threaded fitting ¼ turn.

| NPT Threads Male x Female | Weight each | Order Code IND-447 |
|---|---|---|
| ⅛"" x ⅛" | 81g | -6070K |
| ¼" x ¼" | 80g | -6090K |
| ⅜" x ⅜" | 76g | -7070K |
| ½" x ½" | 114g | -7090K |
| ¾" x ¾" | 200g | -8070K |

## INDEXA Modular Coolant Hose System

### Junction Pieces

**L-Piece** **Y-Piece**

| Type | Weight each | Order Code IND-447 |
|---|---|---|
| **¼" Bore** | | |
| Y-Piece | 3g | -6310K |
| T-Piece | 3g | -6350K |
| L-Piece | 4g | -6370K |
| **½" Bore** | | |
| Y-Piece | 9g | -7310K |
| T-Piece | 9g | -7350K |

### Junction Reducers

| Type | Weight each | Order Code IND-447 |
|---|---|---|
| **½" Bore** | | |
| ½" to ¼" | 3g | -7510K |
| **¾" Bore** | | |
| ¾" to ½" | 5g | -8510K |

## INDEXA Quick Set Machine Shields

14" (¾" bore) hose length. Suitable for small machine tools. Fully adjustable with magnetic base.

| Visor Size | Weight each | Order Code IND-447 |
|---|---|---|
| **Shield (complete)** | | |
| 6" x 8" | 500g | -0250K |
| 7½" x 10" | 570g | -0260K |

## INDEXA Quick Action Assembly Pliers

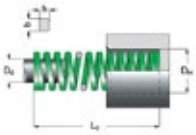
| Bore Size | Order Code IND-447 |
|---|---|
| ¼" | -0010K |
| ½" | -0020K |

# DIE SPRINGS

## INDEXA Die Springs

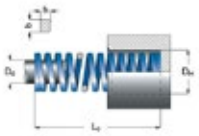
The heat and surface treatment plus the high quality of steel used in the manufacturing process ensure the springs will bear a high number of stresses without breaking or without appreciable loss of load. Every batch of springs is subject to a rigorous testing procedure to ensure that a consistent quality is maintained. Longer springs should be guided along their course.

### Light Load Springs Colour-Coded Green



| Product No | Dia DH | Dia Dd | Lo (mm) | Rigidity (N/mm) | Weight each | Order Code IND-460 |
|---|---|---|---|---|---|---|
| V10 x 25 | 10 | 4.5 | 25 | 10 | 4g | -8000A |
| V10 x 32 | 10 | 4.5 | 32 | 8.5 | 6g | -8001B |
| V10 x 38 | 10 | 4.5 | 38 | 6.8 | 7g | -8002C |
| V10 x 44 | 10 | 4.5 | 44 | 6.0 | 7g | -8003D |
| V10 x 51 | 10 | 4.5 | 51 | 5.0 | 8g | -8004E |
| V10 x 64 | 10 | 4.5 | 64 | 4.3 | 10g | -8005F |
| V10 x 76 | 10 | 4.5 | 76 | 3.2 | 11g | -8006G |
| V13 x 25 | 13 | 7.0 | 25 | 17.9 | 6g | -8108J |
| V13 x 32 | 13 | 7.0 | 32 | 16.4 | 7g | -8109K |
| V13 x 38 | 13 | 7.0 | 38 | 13.6 | 9g | -8110L |
| V13 x 44 | 13 | 7.0 | 44 | 12.1 | 11g | -8111M |
| V13 x 51 | 13 | 7.0 | 51 | 11.4 | 12g | -8112N |
| V13 x 64 | 13 | 7.0 | 64 | 9.3 | 14g | -8113P |
| V13 x 76 | 13 | 7.0 | 76 | 7.1 | 16g | -8114Q |
| V16 x 25 | 16 | 8.0 | 25 | 23.4 | 9g | -8216S |
| V16 x 32 | 16 | 8.0 | 32 | 22.9 | 11g | -8217T |
| V16 x 38 | 16 | 8.0 | 38 | 19.3 | 13g | -8218V |
| V16 x 44 | 16 | 8.0 | 44 | 17.1 | 17g | -8219W |
| V16 x 51 | 16 | 8.0 | 51 | 15.7 | 18g | -8220X |
| V16 x 64 | 16 | 8.0 | 64 | 10.7 | 22g | -8221Y |
| V16 x 76 | 16 | 8.0 | 76 | 10.0 | 26g | -8222Z |
| V20 x 25 | 20 | 10.0 | 25 | 55.8 | 15g | -8326D |
| V20 x 32 | 20 | 10.0 | 32 | 45.0 | 20g | -8327E |
| V20 x 38 | 20 | 10.0 | 38 | 33.30 | 22g | -8328F |
| V20 x 44 | 20 | 10.0 | 44 | 30.0 | 28g | -8329G |
| V20 x 51 | 20 | 10.0 | 51 | 24.5 | 31g | -8330H |
| V20 x 64 | 20 | 10.0 | 64 | 20.0 | 40g | -8331J |
| V20 x 76 | 20 | 10.0 | 76 | 16.0 | 47g | -8332K |
| V20 x 89 | 20 | 10.0 | 89 | 14.0 | 54g | -8333L |
| V20 x 102 | 20 | 10.0 | 102 | 12.0 | 110g | -8334M |
| V25 x 25 | 26 | 12.5 | 25 | 100.0 | 27g | -8440T |
| V25 x 32 | 26 | 12.5 | 32 | 80.3 | 35g | -8441V |
| V25 x 38 | 26 | 12.5 | 38 | 62.0 | 44g | -8442W |
| V25 x 44 | 26 | | 44 | | | -8443X |
| V25 x 51 | 26 | 12.5 | 51 | 44.0 | 57g | -8444Y |
| V25 x 64 | 26 | 12.5 | 64 | 35.2 | 71g | -8445Z |
| V25 x 76 | 26 | 12.5 | 76 | 28.0 | 87g | -8446A |
| V25 x 89 | 26 | 12.5 | 89 | 29.0 | 96g | -8447B |
| V25 x 102 | 26 | 12.5 | 102 | 21.1 | 110g | -8448C |
| V25 x 115 | 26 | 12.5 | 115 | 18.7 | 125g | -8449D |
| V25 x 127 | 26 | 12.5 | 127 | 16.7 | 135g | -8450E |
| V25 x 152 | 26 | 12.5 | 152 | 14.0 | 165g | -8452G |
| V32 x 38 | 32 | 16.0 | 38 | 94.0 | 60g | -8557M |
| V32 x 44 | 32 | | 44 | | | -8558N |
| V32 x 76 | 32 | 16.0 | 76 | 44.0 | 132g | -8561R |
| V32 x 102 | 32 | 16.0 | 102 | 32.0 | | -8563T |
| V32 x 115 | 32 | 16.0 | 115 | 29.0 | 190g | -8564V |
| V32 x 127 | 32 | 16.0 | 127 | 25.0 | | -8565W |
| V32 x 152 | 32 | 16.0 | 152 | 21.5 | 262g | -8567Y |
| V40 x 64 | 40 | 20.0 | 64 | 73.0 | 165g | -8673E |
| V40 x 76 | 40 | 20.0 | 76 | 63.0 | | -8674F |
| V40 x 102 | 40 | 20.0 | 102 | 43.0 | 247g | -8676H |
| V50 x 64 | 50 | 25.0 | 64 | 156.0 | 305g | -8785S |
| V50 x 76 | 50 | 25.0 | 76 | 125.0 | 450g | -8786T |

### Medium Load Springs Colour-Coded Blue

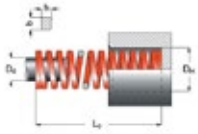


| Product No | Dia DwH | Dia Dd | Lo (mm) | Rigidity (N/mm) | Weight each | Order Code IND-460 |
|---|---|---|---|---|---|---|
| B10 x 25 | 10 | 4.5 | 25 | 16.0 | 3g | -6000A |
| B10 x 32 | 10 | 4.5 | 32 | 13.0 | 4g | -6001B |
| B10 x 38 | 10 | 5.0 | 44 | 11.9 | 4g | -6002C |
| B10 x 44 | 10 | 4.5 | 44 | 10.3 | 5g | -6003D |
| B10 x 51 | 10 | 4.5 | 51 | 8.9 | 7g | -6004E |
| B10 x 64 | 10 | 4.5 | 64 | 7.5 | 9g | -6005F |
| B10 x 76 | 10 | 4.5 | 76 | 5.3 | 11g | -6006G |
| B13 x 25 | 13 | 7.0 | 25 | 30.0 | 6g | -6108J |
| B13 x 32 | 13 | 7.0 | 32 | 24.8 | 8g | -6109K |
| B13 x 38 | 13 | 7.0 | 38 | 21.4 | 10g | -6110L |
| B13 x 44 | 13 | 7.0 | 44 | 18.5 | 12g | -6111M |
| B13 x 51 | 13 | 7.0 | 51 | 15.5 | 13g | -6112N |
| B13 x 64 | 13 | 7.0 | 64 | 12.1 | 15g | -6113P |
| B13 x 76 | 13 | 7.0 | 76 | 10.2 | 17g | -6114Q |
| B16 x 25 | 16 | 8.0 | 25 | 49.4 | 12g | -6216S |
| B16 x 32 | 16 | 8.0 | 32 | 37.1 | 14g | -6217T |
| B16 x 38 | 16 | 8.0 | 38 | 33.9 | 15g | -6218V |
| B16 x 44 | 16 | 8.0 | 44 | 30.0 | 19g | -6219W |
| B16 x 51 | 16 | 8.0 | 51 | 26.4 | 21g | -6220X |
| B16 x 64 | 16 | 8.0 | 64 | 20.5 | 27g | -6221Y |
| B16 x 76 | 16 | 8.0 | 76 | 17.8 | 33g | -6222Z |
| B20 x 25 | 20 | 10.0 | 25 | 98.0 | 19g | -6326D |
| B20 x 32 | 20 | 10.0 | 32 | 72.6 | 23g | -6327E |
| B20 x 38 | 20 | 10.0 | 38 | 56.0 | 26g | -6328F |
| B20 x 44 | 20 | 10.0 | 44 | 47.5 | 32g | -6329G |
| B20 x 51 | 20 | 10.0 | 51 | 41.7 | 35g | -6330H |
| B20 x 64 | 20 | 10.0 | 64 | 32.3 | 46g | -6331J |
| B20 x 76 | 20 | 10.0 | 76 | 25.1 | 55g | -6332K |
| B20 x 89 | 20 | 10.0 | 89 | 22.0 | 61g | -6333L |
| B20 x 102 | 20 | 10.0 | 102 | 19.8 | 68g | -6334M |
| B20 x 127 | 20 | 10.0 | 127 | 16.6 | 85g | -6336P |
| B25 x 25 | 26 | 12.5 | 25 | 147.0 | 33g | -6440T |
| B25 x 32 | 26 | 12.5 | 32 | 118.0 | 42g | -6441V |
| B25 x 38 | 26 | 12.5 | 38 | 93.0 | 48g | -6442W |
| B25 x 44 | 26 | 12.5 | 44 | 80.8 | 56g | -6443X |
| B25 x 51 | 26 | 12.5 | 51 | 68.6 | 65g | -6444Y |
| B25 x 64 | 26 | 12.5 | 64 | 53.0 | 90g | -6445Z |
| B25 x 76 | 26 | 12.5 | 76 | 43.2 | 96g | -6446A |
| B25 x 89 | 26 | 12.5 | 89 | 38.2 | 118g | -6447B |
| B25 x 102 | 26 | 12.5 | 102 | 33.0 | 131g | -6448C |
| B25 x 127 | 25 | 12.5 | 127 | | | -6450E |
| B32 x 38 | 32 | 16.0 | 38 | 185.0 | 80g | -6557M |
| B32 x 44 | 32 | 16.0 | 44 | 158.0 | 90g | -6558N |
| B32 x 51 | 32 | 16.0 | 51 | 134.0 | 100g | -6559P |
| B32 x 64 | 32 | 16.0 | 64 | 99.0 | 130g | -6560Q |
| B32 x 76 | 32 | 16.0 | 76 | 80.5 | 152g | -6561R |
| B32 x 102 | 32 | 16.0 | 102 | 58.8 | 203g | -6563T |
| B32 x 127 | 32 | 16.0 | 127 | 44.8 | 252g | -6565W |
| B40 x 51 | 40 | 20.0 | 51 | 181.6 | 157g | -6672D |
| B40 x 64 | 40 | 20.0 | 64 | 140.0 | 194g | -6673E |
| B40 x 89 | 40 | 20.0 | 89 | 90.7 | 265g | -6675G |
| B40 x 102 | 40 | 20.0 | 102 | 81.0 | 300g | -6676H |
| B50 x 64 | 51 | 25.0 | 65 | 209.0 | 340g | -6785S |
| B50 x 76 | 51 | 25.0 | 76 | 168.0 | 395g | -6786T |
| B51 x 89 | 51 | 25.0 | 89 | | | -6787V |
| B51 x 102 | 51 | 25.0 | 102 | | | -6788W |

# INDEXA Die Springs

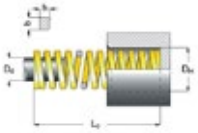
The heat and surface treatment plus the high quality of steel used in the manufacturing process ensure the springs will bear a high number of stresses without breaking or without appreciable loss of load. Every batch of springs is subject to a rigorous testing procedure to ensure that a consistent quality is maintained. Longer springs should be guided along their course.

## Heavy-Load Springs Colour Coded Red



| Product No | Dia (mm) DH | Dd | Lo (mm) | Rigidity (N/mm) | Weight Each | Order Code IND-460 |
|---|---|---|---|---|---|---|
| R10 x 25 | 10 | 4.5 | 25 | 22.10 | 4g | -1000A |
| R10 x 32 | 10 | 4.5 | 32 | 17.50 | 5g | -1001B |
| R10 x 38 | 10 | 4.5 | 38 | 17.10 | 6g | -1002C |
| R10 x 44 | 10 | 5.0 | 180 | 15.00 | 8g | -1003D |
| R10 x 51 | 10 | 4.5 | 51 | 12.80 | 8g | -1004E |
| R10 x 64 | 10 | 4.5 | 64 | 10.7 | 11g | -1005F |
| R13 x 25 | 13 | 7.0 | 25 | 42.1 | 12g | -1108J |
| R13 x 32 | 13 | | 32 | | | -1109K |
| R13 x 38 | 13 | 7.0 | 38 | 29.3 | 13g | -1110L |
| R13 x 44 | 13 | 7.0 | 44 | 24.6 | 15g | -1111M |
| R13 x 51 | 13 | 7.0 | 51 | 19.6 | 17g | -1112N |
| R13 x 64 | 13 | 7.0 | 64 | 15.0 | 21g | -1113P |
| R16 x 25 | 16 | 8.0 | 25 | 75.7 | 12g | -1216S |
| R16 x 32 | 16 | 8.0 | 32 | 52.8 | 14g | -1217T |
| R16 x 38 | 16 | 8.0 | 38 | 48.5 | 17g | -1218V |
| R16 x 44 | 16 | 8.0 | 44 | 42.8 | 20g | -1219W |
| R16 x 51 | 16 | 8.0 | 51 | 37.1 | 23g | -1220X |
| R16 x 64 | 16 | 8.0 | 64 | 30.3 | 27g | -1221Y |
| R20 x 25 | 20 | 10.0 | 25 | 216.0 | 20g | -1326D |
| R20 x 32 | 20 | 10.0 | 32 | 168.0 | 28g | -1327E |
| R20 x 38 | 20 | 10.0 | 38 | 129.0 | 32g | -1328F |
| R20 x 44 | 20 | 10.0 | 44 | 112.0 | 38g | -1329G |
| R20 x 51 | 20 | 10.0 | 51 | 94.0 | 44g | -1330H |
| R20 x 64 | 20 | 10.0 | 64 | 72.1 | 54g | -1331J |
| R20 x 76 | 20 | 10.0 | 76 | 59.7 | 63g | -1332K |
| R20 x 89 | 20 | 10.0 | 89 | 50.5 | 75g | -1333L |
| R20 x 102 | 20 | 10.0 | 102 | 44.2 | 88g | -1334M |
| R25 x 32 | 26 | 12.5 | 32 | 297.0 | 48g | -1441V |
| R25 x 38 | 26 | 12.5 | 38 | 219.0 | 56g | -1442W |
| R25 x 44 | 26 | 12.5 | 44 | 187.0 | 57g | -1443X |
| R25 x 51 | 26 | 12.5 | 51 | 156.0 | 63g | -1444Y |
| R25 x 64 | 26 | 12.5 | 64 | 123.0 | 85g | -1445Z |
| R25 x 76 | 26 | 12.5 | 76 | 99.0 | 110g | -1446A |
| R25 x 89 | 26 | 12.5 | 89 | 84.0 | 139g | -1447B |
| R25 x 102 | 26 | 12.5 | 102 | 73.0 | 144g | -1448C |
| R25 x 115 | 26 | 12.5 | 115 | 65.0 | 168g | -1449D |
| R25 x 127 | 26 | 12.5 | 127 | 57.7 | 182g | -1450E |
| R25 x 152 | 26 | 12.5 | 152 | 47.8 | 222g | -1452G |
| R32 x 38 | 32 | 16.0 | 38 | 388.0 | 93g | -1557M |
| R32 x 44 | 32 | 16.0 | 44 | 324.0 | 105g | -1558N |
| R32 x 51 | 32 | 16.0 | 51 | 272.0 | 117g | -1559P |
| R32 x 64 | 32 | 16.0 | 64 | 212.0 | 148g | -1560Q |
| R32 x 76 | 32 | 16.0 | 76 | 172.0 | 178g | -1561R |
| R32 x 89 | 32 | 16.0 | 89 | 141.0 | 204g | -1562S |
| R32 x 102 | 32 | 16.0 | 102 | 122.0 | 230g | -1563T |
| R32 x 115 | 32 | | 115 | | | -1564V |
| R32 x 127 | 32 | | 127 | | | -1565W |
| R32 x 152 | 32 | 16.0 | 152 | 78.0 | 380g | -1567Y |
| R40 x 51 | 40 | 20.0 | 51 | 350.0 | 181g | -1672D |
| R40 x 64 | 40 | 20.0 | 64 | 269.0 | 220g | -1673E |
| R40 x 76 | 40 | 20.0 | 76 | 219.0 | 261g | -1674F |
| R40 x 89 | 40 | 20.0 | 89 | 190.0 | | -1675G |
| R40 x 102 | 40 | 20.0 | 102 | 163.0 | 341g | -1676H |
| R40 x 127 | 40 | 20.0 | 127 | 128.0 | 420g | -1678K |
| R40 x 152 | 40 | 20.0 | 152 | 105.0 | 500g | -1680M |
| R50 x 64 | 51 | 25.0 | 64 | 413.0 | 416g | -1785S |
| R50 x 76 | 51 | 25.0 | 76 | 339.0 | 438g | -1786T |
| R50 x 127 | 51 | | 127 | | | -1790Y |
| R50 x 152 | 51 | | 152 | | | -1792A |

## Extra Heavy-Load Springs Colour Coded Yellow



| Product No | Dia (mm) DH | Dd | Lo (mm) | Rigidity (N/mm) | Weight each | Order Code IND-460 |
|---|---|---|---|---|---|---|
| G10 x 25 | 10 | 4.5 | 25 | 36.8 | 5g | -3000A |
| G10 x 32 | 10 | 4.5 | 32 | 27.9 | 7g | -3001B |
| G10 x 38 | 10 | 4.5 | 38 | 23.7 | 8g | -3002C |
| G10 x 44 | 10 | 4.5 | 44 | 19.2 | 9g | -3003D |
| G10 x 51 | 10 | 4.5 | 51 | 16.5 | 10g | -3004E |
| G10 x 64 | 10 | 5.0 | 64 | 13.2 | 11g | -3005F |
| G13 x 25 | 13 | 7.0 | 25 | 58.5 | 11g | -3108J |
| G13 x 32 | 13 | 7.0 | 32 | 43.9 | 11g | -3109K |
| G13 x 38 | 13 | 7.0 | 38 | 3.70 | 13g | -3110L |
| G13 x 44 | 13 | 7.0 | 44 | 30.3 | 15g | -3111M |
| G13 x 51 | 13 | 7.0 | 51 | 26.2 | 80g | -3112N |
| G13 x 64 | 13 | 7.0 | 64 | 21.2 | 22g | -3113P |
| G16 x 32 | 16 | 8.0 | 32 | 89.0 | 17g | -3217T |
| G16 x 38 | 16 | 8.0 | 38 | 72.1 | 22g | -3218V |
| G16 x 44 | 16 | 8.0 | 44 | 60.9 | 25g | -3219W |
| G16 x 51 | 16 | 8.0 | 51 | 52.3 | 29g | -3220X |
| G16 x 64 | 16 | 8.0 | 64 | 41.2 | 36g | -3221Y |
| G16 x 76 | 16 | 8.0 | 76 | 34.1 | 42g | -3222Z |
| G20 x 32 | 20 | 10.0 | 32 | 224.0 | 28g | -3327E |
| G20 x 38 | 20 | 10.0 | 38 | 177.0 | 33g | -3328F |
| G20 x 44 | 20 | 10.0 | 44 | 149.0 | | -3329G |
| G20 x 51 | 20 | 10.0 | 51 | 128.0 | 45g | -3330H |
| G20 x 64 | 20 | 10.0 | 64 | 99.0 | 56g | -3331J |
| G20 x 76 | 20 | 10.0 | 76 | 81.7 | 64g | -3332K |
| G20 x 102 | 20 | 10.0 | 102 | 60.6 | 86g | -3334M |
| G25 x 32 | 26 | 12.5 | 32 | 374.4 | 48g | -3441V |
| G25 x 38 | 26 | 12.5 | 38 | 346.0 | 60g | -3442W |
| G25 x 44 | 26 | 12.5 | 44 | 244.0 | 70g | -3443X |
| G25 x 51 | 26 | 12.5 | 51 | 207.5 | 80g | -3444Y |
| G25 x 64 | 26 | 12.5 | 64 | 161.0 | 99g | -3445Z |
| G25 x 76 | 26 | 12.5 | 76 | 130.8 | 114g | -3446A |
| G25 x 89 | 26 | 12.5 | 89 | 110.5 | 134g | -3447B |
| G25 x 102 | 26 | 12.5 | 102 | 96.3 | 151g | -3448C |
| G32 x 38 | 32 | 16.0 | 38 | 528.2 | 98g | -3557M |
| G32 x 44 | 32 | 16.0 | 44 | 424.4 | 115g | -3558N |
| G32 x 51 | 32 | 16.0 | 51 | 353.0 | | -3559P |
| G32 x 64 | 32 | 16.0 | 64 | 269.2 | 163g | -3560Q |
| G32 x 76 | 32 | 16.0 | 76 | 218.5 | 200g | -3561R |
| G32 x 102 | 32 | 16.0 | 102 | 155.0 | 252g | -3563T |
| G40 x 51 | 40 | 20.0 | 51 | 628.0 | 190g | -3672D |
| G40 x 64 | 40 | 20.0 | 64 | 487.0 | 238g | -3673E |
| G40 x 76 | 40 | 20.0 | 76 | 379.0 | 275g | -3674F |
| G40 x 89 | 40 | 20.0 | 89 | 321.0 | 330g | -3675G |
| G50 x 64 | 50 | 25.0 | 64 | 709.0 | 410g | -3785S |
| G50 x 89 | 51 | 25.0 | 89 | 475.0 | | -3787V |

# REVOLVING & SOLID CENTRES



## KENNEDY Morse Taper Tooling
### Drill Sleeves

| Taper Inside x Outside | Length (mm) | Order Code KEN-482 |
|---|---|---|
| 1 x 2 MT | 95 | -2120K |
| 1 x 3 MT | 97 | -2130K |
| 1 x 4 MT | 120 | -2140K |
| 1 x 5 MT | 152 | -2150K |
| 2 x 3 MT | 110 | -2230K |
| 2 x 4 MT | 123 | -2240K |
| 2 x 5 MT | 155 | -2250K |
| 3 x 4 MT | 140 | -2340K |
| 3 x 5 MT | 155 | -2350K |
| 4 x 5 MT | 170 | -2450K |
| 4 x 6 MT | 215 | -2460K |
| 5 x 6 MT | 225 | -2560K |

## KENNEDY Drill Drifts

To release Morse Taper Tooling without damaging machine socket or tools.

| To Release Morse Taper | Order Code KEN-482 |
|---|---|
| 0 | -9500K |
| 1 & 2 | -9520K |
| 3 | -9530K |
| 3 & 5 | -9540K |
| 5 & 6 | -9560K |

**Drill Sleeve & Drift Set**
Set of three drill sleeves 1 - 2, 2 - 3, 3 - 4 MT. Fully hardened and ground inside and out. Two drill drifts to release 1 - 2 and 3 - 4 MT.

| No. of Pieces | Order Code KEN-482 |
|---|---|
| 5 | -9900K |

| Taper Inside x Outside | Length (mm) | Order Code KEN-482 |
|---|---|---|
| 1 x 2 MT | 160 | -4120K |
| 2 x 2 MT | 175 | -4220K |
| 2 x 3 MT | 194 | -4230K |
| 3 x 2 MT | 194 | -4320K |
| 3 x 3 MT | 230 | -4330K |
| 3 x 4 MT | 255 | -4340K |
| 4 x 3 MT | 255 | -4430K |
| 5 x 4 MT | 300 | -4540K |

## SHERWOOD QUALITY CUTTING TOOLS Revolving Centre Heavy Duty

- Made from high alloy steel, heat-treated and precision ground
- Heavy-duty precision taper roller and thrust bearings support radial and axial loads
- Designed for heavy load and high production applications
- Maximum runout of 0.005mm for No.2 to 5 taper
- Ensures durability and efficiency in demanding environments

| | | Radial Load (rpm) | | Axial Load(rpm) | | |
|---|---|---|---|---|---|---|
| Morse Taper | Max rpm | @100 (kgf) | @max (kgf) | @100 (kgf) | @3000 (kgf) | Order Code SHR-488 |
| 2 | 4000 | 85 | 20 | 350 | 100 | -6722K |
| 3 | 3500 | 175 | 50 | 700 | 200 | -6723K |
| 4 | 3000 | 350 | 125 | 700 | 200 | -6724K |
| 5 | 2500 | 800 | 350 | 1200 | 500 | -6725K |

## KENNEDY Standard Duty Revolving Centres

Manufactured from high alloy steel hardened and tempered then precision ground externally. Precision bearings are fitted as standard and the centres have a 60° point. Mounting Tapers are accurate to **DIN228** Form A, Tolerance Class AT5.

**Maximum runout:**
No.1 to 4 taper: 0.005mm.
No.5 to 6 taper: 0.010mm.

| | | Radial Load (rpm) | | Axial Load(rpm) | | |
|---|---|---|---|---|---|---|
| Morse Taper | Max rpm | @100 (kgf) | @max (kgf) | @100 (kgf) | @3000 (kgf) | Order Code KEN-488 |
| No.1 | 7000 | 80 | 32 | 250 | 50 | -1010K |
| No.2 | 7000 | 200 | 55 | 275 | 60 | -1020K |
| No.3 | 6000 | 300 | 70 | 400 | 70 | -1030K |
| No.4 | 5000 | 600 | 75 | 500 | 125 | -1040K |
| No.5 | 4000 | 800 | 280 | 570 | 230 | -1050K |

## KENNEDY Industrial Solid Centres

Manufactured from high quality tool steel, hardened and ground with 60° point and spanner flats as standard. Mounting Tapers are accurate to **DIN228** Form A, Tolerance Class AT5.

| Morse Taper | Diameter (mm) | Across Flats | Length (mm) | Order Code KEN-487 |
|---|---|---|---|---|
| No.1 | 12.20 | 10 | 78 | -1010K |
| No.2 | 18.00 | 13 | 90 | -1020K |
| No.3 | 24.10 | 19 | 138 | -1030K |
| No.4 | 31.60 | 24 | 138 | -1040K |

## ATLAS WORKHOLDERS Standard Duty Revolving Centres

Manufactured from high alloy steel hardened and tempered then precision ground externally. Precision bearings are fitted as standard and the centres have a 60° point.
**Maximum runout:** 0.005mm.

| | | Radial Load (rpm) | | Axial Load(rpm) | | |
|---|---|---|---|---|---|---|
| Morse Taper | Max rpm | @100 (kgf) | @max (kgf) | @100 (kgf) | @3000 (kgf) | Order Code ATL-488 |
| No.2 | 7000 | 200 | 50 | 250 | 50 | -1020K |
| No.3 | 6000 | 300 | 80 | 380 | 90 | -1030K |
| No.4 | 5000 | 800 | 220 | 900 | 270 | -1040K |

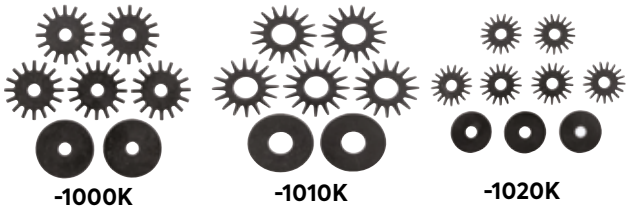
## KENNEDY Standard Duty Interchangeable Revolving Centre Sets

Manufactured from high alloy steel, precision ground internally and externally with pre-lubricated bearings. A versatile revolving centre with interchangeable points for a wide variety of applications. Ideal for toolroom or manufacture of small turned components. Points fit into body by means of a taper and are removed by use of the drift key supplied. All mating surfaces are precision ground and the set is supplied in a varnished wooden storage box.

| Morse Taper | Order Code KEN-488 |
|---|---|
| 1 | -1320K |
| 2 | -1330K |

## KENNEDY® Huntington Type Wheel Dressers

- With improved quick release cutter wheel design which reduces down-time when changing wheels
- Ergonomically designed cast iron handle and case hardened, polished cutters
- Suitable for cleaning, sharpening and truing grinding wheels



| Wheel Dressers | | | Wheel Sets |
|---|---|---|---|
| Type | For Wheel Diameter | Order Code **KEN-495** | Order Code **KEN-495** |
| No.0 | Up to 510mm (20") | **-0100K** | **-1000K** |
| No.1 | Up to 760mm (30") | **-0110K** | **-1010K** |
| No.2 | Over 760mm (30") | **-0120K** | **-1020K** |

### Replacement Parts

| Description | Order Code **KEN-495** |
|---|---|
| Side Bush for Type No.0 | **-2000K** |
| Cutter Bush for Type No.1 | **-2010K** |
| Cutter Bush for Type No.2 | **-2020K** |
| Spare Spindle for Type No.0 | **-3000K** |
| Spare Spindle for Type No.1 | **-3010K** |
| Spare Spindle for Type No.2 | **-3020K** |
| Side Washer for Type No.1 | **-4010K** |
| Side Washer for Type No.2 | **-4020K** |

## KENNEDY® Diamond Point Wheel Dressing Tools

### Single-Point Tools

- For general use
- The diamond point can be reset when it 'flats', giving extended tool life
- ½" x 6" holder size

| Diamond Size, Carat | For use on Wheel | Order Code **KEN-496** |
|---|---|---|
| 0.50 | 180mm (7") | **-0050K** |
| 0.75 | 255mm (10") | **-0070K** |
| 1.00 | 355mm (14") | **-0100K** |
| 1.50 | 460mm (18") | **-0150K** |
| 2.00 | 600mm (24") | **-0200K** |

## SENATOR® QUALITY TOOLING Diamond Dressers

- For truing and dressing grinding wheels which accurate and precise relative motion between the grinding wheel and the part being ground
- These tools are mainly used to true straight-faced wheels

**3 Piece Set**
For medium duty use. ½" dia. x 6" **(-9100K)**.

| Wheel Size (mm) | Carat Size | Order Code **SEN-496** |
|---|---|---|
| Up to 150 | 0.25 | **-0250K** |
| Up to 180 | 0.50 | **-0500K** |
| Up to 250 | 0.75 | **-0750K** |
| Up to 350 | 1.00 | **-1000K** |
| Up to 500 | 1.50 | **-1500K** |
| Up to 600 | 2.00 | **-2000K** |
| 3 Piece Set 0.5, 0.75 & 1 Carat Set | | **-9100K** |

## Lathe Chuck Jaws

Scan the QR code

# Hand Tools

Keeping Industry Working™

Product Groups

# 501 - 582

# Contents


| Description | Group | Page |
|---|---|---|
| Adjustable Wrenches | 501 | **224-225** |
| Agricultural Tools | 525 | **297** |
| **Automotive** | | |
| - Battery & Electrical System Tools | 503 | **245** |
| - Body Repair | 503 | **226-228** |
| - Braking System Tools | 503 | **246-248** |
| - Compression Testers | 503 | **229** |
| - Cylinder, Piston & Valve Tools | 503 | **230-231** |
| - Inspection | 503 | **233** |
| - Jacks & Stands | 503 | **234-237** |
| - Nut Splitters | 503 | **237** |
| - Oil Filter & Sump Tools | 503 | **238** |
| - Piston & Valve Tools | 503 | **232** |
| - Pullers & Separators | 503 | **239-242** |
| - Special Tools | 503 | **249-250** |
| - Roadside Assistance | 503 | **243** |
| - Timing Tools | 503 | **229** |
| - Tyre Care | 503 | **244** |
| Axes | 525 | **297** |
| Basin Wrenches | 588 | **479** |
| Bolt & Cable Cutters | 592 | **483** |
| Box Spanners | 581 | **416** |
| Brick Tools | 512 | **258** |
| Cable Ties | 515 | **263** |
| Cable & Wire Stripping Tools | 516 | **264-265, 372** |
| Chain Separators | 588 | **471** |
| Chain & Strap Wrenches | 588 | **461, 471** |
| Clamps | 539 | **350-352, 378, 380** |
| Cold Chisels, Pry Bars, Utility Bars | 505 | **251-254** |
| Contractor's Tools | 522 | **288-292** |
| Crimping Tools | 515 | **260-262** |
| Decorating Tools | 533 | **314-323** |
| Drainage Equipment | 588 | **471-472** |
| Drawer Cabinets | 593 | **484** |
| Electrical Terminals | 515 | **259-260** |
| Electrical Testing Equipment | 516 | **269** |
| Engineer's Hand Tools | 518 | **270-283** |
| File Handles | 531 | **313** |
| Fluid Handling | 540 | **353-356** |
| Garden Tools | 522 | **284-287** |
| Grease Nipples | 541 | **359** |
| Hammer Shafts | 530 | **312** |
| Hammers | 525 | **298-310, 360** |
| Hammers - Inserted Face | 527 | **309-310** |
| **Hexagon** | | |
| - Keys | 601 | **526-527** |
| - Ball Drivers | 602 | **528-530** |
| **Impact Sockets** | | |
| - 1/2" Square Drive | 583 | **465-466, 469** |
| - 3/4" Square Drive | 583 | **467-468, 469** |
| - 1" & 1 1/2" Square Drive | 583 | **468, 470** |
| Insulated Service Tools | 534 | **326-335** |
| Knives | 537 | **338-347** |
| Lubrication Equipment | 540 | **357-358** |
| Magnetic Tooling | 553 | **361-363** |
| Multimeters | 516 | **268** |
| Nut Spinners | 556 | **365** |
| Paint Brushes & Rollers | 533 | **317-322** |
| **Pipe** | | |
| - Benders | 588 | **473** |

| Description | Group | Page |
|---|---|---|
| - Cutters | 588 | **474-475** |
| - Flaring Tools | 588 | **476** |
| - Threaders | 588 | **477** |
| - Vices | 588 | **477** |
| - Wrenches | 588 | **478** |
| Plastering Tools | 512 | **257** |
| Pliers & Grips | 558 | **369-371, 373-376, 381-386** |
| Punches & Stamps | 560 | **387-388** |
| Ratchet Spanners | 582 | **421-424** |
| Riveting Tools | 569 | **390-391** |
| Roller Cabinets & Tool Chests | 594 | **497-503** |
| Roller Cabinet Accessories | 594 | **504, 516** |
| Roller Stands | 588 | **480** |
| Safety Tools | 575 | **408-414** |
| Saw Frames | 538 | **348-349** |
| Scaffolding Tools | 580 | **416** |
| Scissors | 533 | **324-325** |
| Screwdriver Bits | 573 | **402-407** |
| Screwdrivers | 572 | **392-401** |
| Service Cases | 593 | **485** |
| Shears & Snips | 591 | **481-482** |
| **Sockets & Accessories** | | |
| - 1/4" Square Drive | 582 | **431-433, 447-449** |
| - 3/8" Square Drive | 582 | **434-436** |
| - 1/2" Square Drive | 582 | **437-443, 445** |
| - 3/4" Square Drive | 582 | **444** |
| - 1" Square Drive | 582 | **458-459** |
| - Clips, Rails & Trays | 582 | **446** |
| **Socket Sets** | | |
| - 1/4" Square Drive | 582 | **462** |
| - 3/8" Square Drive | 582 | **450-452, 462-463** |
| - 1/2" Square Drive | 582 | **453-457, 464** |
| - 3/4" Square Drive | 582 | **458-459** |
| - 1" Square Drive | 582 | **458-459** |
| Sockets & Socket Sets - Ken-Grip | 582 | **425-445** |
| Soldering Tools | 516 | **266-267** |
| **Spanners** | | |
| - Combination | 582 | **418-422, 460** |
| - Ring | 582 | **423-424, 428-429** |
| - Open Ended | 582 | **425-426** |
| - Miniature/Spanner End Fittings | 582 | **427** |
| Spigot End Fittings | 581 | **417** |
| Spirit Levels | 510 | **255-256, 518** |
| Stencils | 561 | **389** |
| Tape Measures | 536 | **336-337, 519** |
| **Tool** | | |
| - Bags | 593 | **489-490** |
| - Boxes | 593 | **493-496** |
| - Cases | 593 | **491-492** |
| - Control | 595 | **505-509** |
| - Kits | 595 | **510-515, 517** |
| - Pouches | 593 | **486-487** |
| - Rolls | 593 | **488** |
| Torque Tools | 555 | **364-368** |
| TX Keys | 603 | **531** |
| Vice Grips | 589 | **480** |
| Water & Garden Accessories | 523 | **293-296** |
| Woodworking Tools | 597 | **520-525** |
| Workshop Spanners | 580 | **415** |
| Wrenches | 558/582 | **376-377, 379, 461, 479** |

# ADJUSTABLE WRENCHES



## KENNEDY Pro Cushion Grip Adjustable Wrenches

Drop forged chrome vanadium steel with phosphate anti-corrosion finish. Hardened parallel opening jaws are ground and polished, laser etched with metric graduations . The wide grooved profile of the opening mechanism and coarsely knurled adjusting screw ensures smooth adjustment. Slim head profile allows easy access, the contoured jaws improve grip when used on damaged misshaped fasteners. Cushion grip improves comfort and is resistant to oil and grease.
Conforms to: **BS 6333-1995, DIN3117-1988**.

| Length (mm) | Jaw Opening (mm) | Fastener Range | Order Code KEN-501 |
|---|---|---|---|
| 150 (6") | 23.9mm | M2-M14 (1/8" - 9/16") | -3060K |
| 200 (8") | 28.6mm | M4-M18 (3/16" - 5/8") | -3080K |
| 250 (10") | 32.8mm | M6-M20 (1/4" - 3/4") | -3100K |
| 300 (12") | 38.1mm | M8-M24 (5/16" - 1") | -3120K |

**Twin Pack**

| Contents | Weight each | Order Code KEN-501 |
|---|---|---|
| 200 & 300mm | 800g | -0640K |

## SENATOR QUALITY TOOLING Chromed Drop Forged Adjustable Wrenches

Tapered jaws for improved access into confined spaces. Smooth jaw adjustment. Graduated laser etched jaw for fast jaw setting. Manufactured from chromed drop forged steel.

| Length (mm) | Order Code SEN-501 |
|---|---|
| 150 (6") | -4360K |
| 200 (8") | -4380K |
| 250 (10") | -4400K |
| 300 (12") | -4420K |
| 778 (30") | -4600K |

**Set**

| Number of Pieces | Contents | Order Code SEN-501 |
|---|---|---|
| 2 | 6"/10" | -4750K |

M16

**Kennedy® Professional 150mm Wrench**
Jaw capacity: 24mm.

**Up to 20% greater jaw capacity than conventional adjustable wrenches**

M12

**Conventional 150mm Wrench**
Jaw capacity: 20mm.

**Grooved jaw for positive grip even on worn surfaces**

## KENNEDY Extra Wide Jaw Adjustable Wrench

Drop forged chrome vanadium steel. Rubber comfort grip handle. Ultra thin head designed for use in confined spaces. Graduated millimetre scale. More than 50% wider jaw compared to conventional adjustable wrenches. Conforms to: **ISO 6787-1982, ASME B.107.8M-1996, BS 6333-1995, DIN3117-1988, JIS B4604-1976**.

| Length (mm) | Jaw Opening (mm) | Order Code KEN-501 |
|---|---|---|
| 150 (6") | 0-34 | -5060K |
| 200 (8") | 0-38 | -5080K |
| 250 (10") | 0-50 | -5100K |
| 300 (12") | 0-60 | -5120K |

**Set**

| Number of Pieces | Contents | Order Code KEN-501 |
|---|---|---|
| 2 | 150 x 250mm | -5200K |

## KENNEDY Combi Grip Adjustable Wrenches

A quick release reversible lower jaw with a serrated side and extra hard teeth for pipe gripping, a strong handle and a phosphated corrosion resistant finish. The smooth adjusting action makes them fast and easy to use.
Conform to: **ISO 6787-1982, ASME B.107. 8M-1996, BS 6333-1995,**

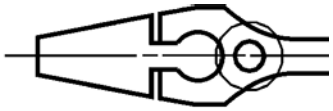
**DIN 3117-1988, JIS B4604-1976.**

| Length (mm) | Jaw Opening (mm) | Order Code KEN-501 |
|---|---|---|
| 250 (10") | 30.0 | -4100K |
| 300 (12") | 35.0 | -4120K |

## KENNEDY® Adjustable Wrenches

Manufactured from high strength 'I' beam section chrome or phosphate vanadium steel for improved strength and rigidity, the jaws are heat treated for extended tool life. High polished corrosion-resistant finish. 15° offset head angle for positive torque control. Slimline tapered jaws for improved access into confined spaces. Parallel jaws with smooth jaw adjustment and self-locking design prevents the jaws opening unintentionally even when under full load.
Conforms to: **BS 6333-1995, DIN3117-1988**.

**Tapered Jaw For Access Into Tight Spaces.**



**Phosphate Finish**

**Chrome Finish**

**Phosphate Finish**

| Length (mm) | Jaw Opening (mm) | Torque (kg/cm) | Weight each | Order Code KEN-501 |
|---|---|---|---|---|
| 100 (4") | 17 (21/32") | 714 | 60g | -0040K |
| 150 (6") | 24 (1") | 1670 | 140g | -0060K |
| 200 (8") | 28 (13/32") | 3100 | 260g | -0080K |
| 250 (10") | 33 (15/16") | 5190 | 400g | -0100K |
| 300 (12") | 38 (1 3/8") | 8820 | 650g | -0120K |
| 375 (15") | 50 (2") | 17295 | 1040g | -0150K |
| 450 (18") | 60 (2 3/8") | 23060 | 1670g | -0180K |
| 600 (24") | 70 (2 3/4") | 25000 | 3300g | -0240K |

**Chrome Finish**

| Length (mm) | Jaw Opening (mm) | Torque kg/cm | Weight each | Order Code KEN-501 |
|---|---|---|---|---|
| 100 (4") | 17 (21/32") | 714 | 60g | -1040K |
| 150 (6") | 24 (1") | 1670 | 140g | -1060K |
| 200 (8") | 28 (13/32") | 3100 | 260g | -1080K |
| 250 (10") | 33 (15/16") | 5190 | 400g | -1100K |
| 300 (12") | 38 (1 3/8") | 8820 | 650g | -1120K |
| 375 (15") | 50 (2") | 17295 | 1040g | -1150K |
| 450 (18") | 60 (2 3/8") | 23060 | 1670g | -1180K |

## YAMOTO Chrome Vanadium Adjustable Wrench

Made of chrome vanadium with a corrosion-resistant satin finish, the Yamoto adjustable wrench delivers robust, hard wearing performance. It features a graduate laser etched jaw for fast jaw setting and is available in a range of sizes from 4"/100mm to 24"/612mm.

| Length (mm) | Jaw Opening (mm) | Order Code YMT-501 |
|---|---|---|
| 100 (4") | 15 | -3040K |
| 150 (6") | 20 | -3060K |
| 200 (8") | 25 | -3080K |
| 250 (10") | 30 | -3100K |
| 300 (12") | 35 | -3120K |
| 375 (15") | 44 | -3150K |
| 457 (18") | 50 | -3180K |
| 612 (24") | 60 | -3240K |

**Up to 20% greater jaw capacity than conventional adjustable wrenches**

**M24**

**Conventional 375mm Wrench**
Jaw capacity 40mm.

**M27**

**Kennedy® 375mm Wrench**
Jaw capacity 50mm.

**Phosphate Finish Sets**

3 PIECES

2 PIECES

| Number of Pieces | Contents | Weight each | Order Code KEN-501 |
|---|---|---|---|
| 3 | 100, 200 & 300mm | 1100g | -0600K |
| 2 | 150 & 250mm | 540g | -0620K |

**Chrome Finish Sets**

3 PIECES

2 PIECES

| Number of Pieces | Contents | Weight each | Order Code KEN-501 |
|---|---|---|---|
| 3 | 100, 200 & 300mm | 1100g | -1600K |
| 2 | 150 & 250mm | 540g | -1560K |

2 PIECES

**Sets**

| Number of Pieces | Contents | Order Code YMT-501 |
|---|---|---|
| 2 | 150 & 250mm | -3400K |
| 2 | 200 & 300mm | -3500K |

## KENNEDY 7-Piece Panel Beating Set

Supplied in a high quality fitted blow moulded impact resistant case. Drop forged, high carbon steel hammers with ground heads and cheeks. Hickory, octagonal section shafts. 1x: curved, utility, heel and toe dolly. 1x: 12oz shrinking hammer and flat faced bumping hammer, 1x 10oz round finishing pick.

7 PIECES

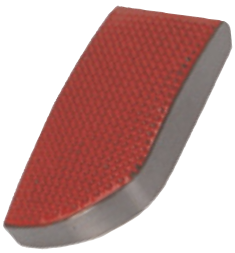
| Weight each | Order Code KEN-503 |
|---|---|
| 7.40kg | -7650K |

## KENNEDY Panel Beating Dollies

Manufactured from drop forged medium carbon steel (SAE/AISI 1055). Heat-treated with a polished mirror finish.

### Grid Dolly

For shrinking work. With a large crowned grid face on the surface and a plain flat face on the base this dolly, combined with a shrinking hammer and the use of heat, provides quick and effective shrinking.



| Length (mm) | Weight per 6 | Order Code KEN-503 |
|---|---|---|
| 120 | 7.10kg | -7500K |

### Utility Dolly

Double-sided multi-purpose. Use the edge most suited to the size and shape of a damaged flange.

| Length (mm) | Weight per 6 | Order Code KEN-503 |
|---|---|---|
| 64 | 7.50kg | -7540K |

### Curved Dolly

For raising low spots on panels. The edge can also be used to restore the shape of a roof and reform beads.

| Length (mm) | Weight per 6 | Order Code KEN-503 |
|---|---|---|
| 132 | 5.80kg | -7580K |

### Double-End Hand Dolly

For reshaping crowned panels and general panel beating.

| Length (mm) | Weight per 6 | Order Code KEN-503 |
|---|---|---|
| 75 | 6.90kg | -7520K |

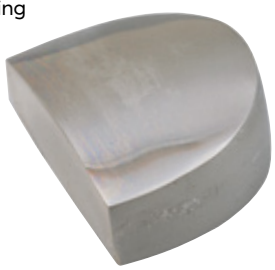
### Toe Dolly (Low Crown Dolly)

For reshaping. Can be used in the hand to deliver a series of blows to the underside of the panel. Long crown enables use in hard to rszt. areas.

| Length (mm) | Weight per 6 | Order Code KEN-503 |
|---|---|---|
| 120 | 8.50kg | -7560K |

### Heel Dolly

For general reshaping of contoured panels, raising low spots and general panel beating.



| Length (mm) | Weight per 6 | Order Code KEN-503 |
|---|---|---|
| 81 | 5.80kg | -7600K |

## KENNEDY Trim Pin Remover

Designed for removing vehicle trim panels and upholstery. Also used for replacing door locks, window mechanisms and general bodywork repairs.

| Overall Length | Weight each | Order Code KEN-503 |
|---|---|---|
| 230mm | 155g | -1500K |

## KENNEDY Trim & Upholstery Tool Set

Set of angled lever tools designed for the easy removal of vehicle trim fasteners, mouldings and wheel hubs. Manufactured from plastic to avoid marking and scratching metal, wood or upholstery material.

5 PIECES

| Order Code KEN-503 |
|---|
| -1510K |

## KENNEDY Hydraulic Body Repair Kits

**Porta Power with Ram & Spreader**
Used for clamping, pulling, bending, straightening, spreading and lifting operations. Snaps together. Heavy-duty hand pump has automatic overload feature. Tough, blow moulded case. Strong flexible hose with spring guards at both ends. 10,000PSI hydraulic hand pump, ½ Tonne ram and spreader.

| Kit Size | Stroke Length | Order Code KEN-503 |
|---|---|---|
| 4 Tonne | 100mm | -7240K |
| 10 Tonne | 150mm | -7260K |

## KENNEDY Single Speed Hydraulic Hand Pumps

Rugged construction with an internal overload valve, a pressure rating of 10,000psi (700bar) and a ¼ NPT thread size. Operates in a vertical and horizontal position.

| Order Number | Pressure Rating PSI (Bar) | Usable Oil Capacity | Oil Volume Per Stroke | Oil Port Thread | Length (mm) |
|---|---|---|---|---|---|
| -8800K | 10,000 (700) | 350cc | 3.2cc | ¼ NPT | 292 |
| -8820K | 10,000 (700) | 600cc | 3.2cc | ¼ NPT | 478 |

| Weight each | Order Code KEN-503 |
|---|---|
| 5.70kg | -8800K |
| 7.10kg | -8820K |

## KENNEDY Twin Speed Hydraulic Hand Pumps

Rugged construction. Internal overload valve. Operates in a vertical and horizontal position. Pump handle locks into place to be used as a carrying handle.

| Order Number | Pressure Rating PSI (Bar) Stage 1 | Pressure Rating PSI (Bar) Stage 2 | Usable Oil Capacity | Oil Volume Per Stroke Stage 1 | Oil Volume Per Stroke Stage 2 | Oil Port Thread | Length (mm) |
|---|---|---|---|---|---|---|---|
| -8900K | 200 (13.8) | 10,000 (700) | 350cc | 7.0cc | 1.0cc | ⅜ NPT | 310 |
| -8940K | 200 (13.8) | 10,000 (700) | 600cc | 13.0cc | 2.8cc | ⅜ NPT | 528 |

| Weight each | Order Code KEN-503 |
|---|---|
| 5.30kg | -8900K |
| 8.00kg | -8940K |

**Spares**

| Description | Order Code KEN-567 |
|---|---|
| Connection Hose (1500mm x ⅜" x ¼" NPT) | -8140K |

## KENNEDY Dent Puller Set

For repairing dents in body panels. Supplied complete with self tapping pull screw for use where access to the rear of the panel is blocked by reinforcements or other parts, a range of steel hooks and pull curls for pulling the edges of panels and a chain and hook.
The long hammer shaft allows the pulling/striking force to be precisely controlled.

**Contents:** (1x)
hammer (10lbs cast iron), 22.5Ø x 500 and 22.5Ø x 200mm pipes, 2 hole pipes, 6 x 170, 6 x 120, 6 x 200 and 3mm x 100mm plates, chain and hook, hex nut and blow moulded storage case.

9 PIECES

| Product Number | Weight each | Order Code KEN-503 |
|---|---|---|
| DP9 | 9.00kg | -3460K |

## KENNEDY Hydraulic Push Rams

Rugged construction with a heavy-duty return spring. Chrome plated piston inhibits rusting. ¼ NPT thread size. Accessories easily snap on.

| Order Number | Capacity (Tonne) | Stroke (mm) | Oil Cap (cc) | Cylinder Bore dia. | Length Ret. | Length Ext. | Outside dia. Piston | Outside dia. Ram | Oil Port Thread |
|---|---|---|---|---|---|---|---|---|---|
| -8800K | 10 | 150 | 243 | 45.0mm | 325 | 475 | 33 | 57 | ¼ NPT |

| Weight each | Order Code KEN-503 |
|---|---|
| 5.30kg | -7190K |

## KENNEDY 3 Piece Panel Seam Splitter Set

Ideal for separating spot-welded panels during repairs.
Stainless steel coated chrome vanadium with through tang shafts allow use with hammers. Dual material soft grip handles for comfort and control. Includes 90°, curved and straight seam splitters. Cushioned handle absorbs any shock from hammer blows. Made from super tough alloy steel.

3 PIECES

| Weight each | Order Code KEN-503 |
|---|---|
| 94g | -7710K |

## KENNEDY® Lever Operated Vacuums

For use in hand lift applications only. Multiple vacuums used on a single load can only improve handling. If using more than one vacuum tool the ratio of maximum lift capacity does not increase. To lift heavier weights a larger vacuum must be used. All are fitted with a rubber suction cap which will not damage contact surface during the lifting action. For use on glass and plastic or any smooth surface material and can also be used for pulling out dents.

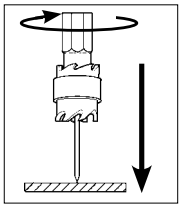
**Single (-2620K)**
**Double (-2640K)**
**Triple (-2660K)**

| Cups | Max Lift | Order Code KEN-503 |
|---|---|---|
| 1x10cm | 45kg | -2620K |
| 2x12cm | 70kg | -2640K |
| 3x12cm | 110kg | -2660K |

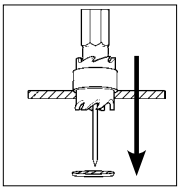
## KENNEDY® Spot Weld Remover

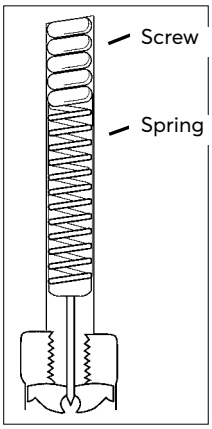
Suitable for cutting holes in steel metal, steel, plastic and brass. The hardened steel cutter is reversible increasing tool life. Adjusting the spring loaded centre point screw accurately controls the depth of cut allowing the top to be removed whilst leaving the lower panel in place.

**Spring loaded centre point guides cutter crown onto spot weld.**



**Cutting depth by screw permits top panel to be removed leaving the lower panel.**






**Fine adjustment of cutting depth by screw.**

| Capacity | Shank | Maximum Rated Operating Speed | Weight each | Order Code KEN-503 |
|---|---|---|---|---|
| 10mm | 6.5mm | 900rpm | 30g | -1200K |

## KENNEDY® Pneumatic Brake & Clutch Bleeder

**PBB100**

- 1ltr container with 1/4" NPT connection
- Operates from 90 - 145psi (6 - 10bar) air pressure
- Air consumption rate: 180ltr/min
- Extraction rate: 1.6ltr/min
- Vacuum (max): 550mm HG
- Handles non-flammable liquids between 0 and 80°C

| Weight | Order Code KEN-503 |
|---|---|
| 470g | -1920K |

## KENNEDY® Automotive Curved Hook Tools

Curved hook tools are for inserting and removing rubber seals and gaskets. They feature a long shaft and curved head for smooth operation in both directions. Manufactured from hardened and tempered chrome vanadium steel with a comfort grip.

| Overall Length | Weight each | Order Code KEN-503 |
|---|---|---|
| 230mm | 120g | -8760K |
| 295mm | 150g | -8770K |

## KENNEDY® Windscreen Wiper Arm Removal Tool

Windscreen wiper arm removal tool for removing stuck and stubborn taper fitting wiper arms.
**Maximum** opening: 27mm.
**Collar size:** 15mm.

Order Code KEN-503
-1570K

## KENNEDY® Universal Trim Pad Remover

For removing plastic interior trim retaining studs. Corrosion-resistant.

| Size (mm) (W x H x D) | Weight each | Order Code KEN-503 |
|---|---|---|
| 84 x 259 x 30 | 135g | -2800K |

## KENNEDY® Filler Applicators

100mm wide plastic spreader, suitable for the application of auto body filler.

5 PIECES

| Size | Order Code KEN-503 |
|---|---|
| 100mm (4") | -2820K |

## KENNEDY® Hydraulic Pull Back Ram

**HRP005**

Rugged construction with a heavy duty return spring. For use with Porta Power/Body Dozer power units.

- Shaft is chrome plated
- 5-Tonne pulling capacity
- Cylinder bore diameter: 34mm
- Stroke length: 150mm/6"
- Oil port thread: 1/4 NPT
- Length: 740mm
- Weight: 6.7kg

Order Code KEN-503
-7180K

## KENNEDY® Pressure Tester

**Cooling System & Radiator Cap Pressure Tester**
Designed for the pressure testing of cooling systems and radiator caps up to 35psi (2.5bar). Suitable for use on most makes of car and commercial vehicles, including: Mercedes, Ford, Chrysler, Peugeot, Honda, Lexus, Mazda, Suzuki, Toyota, Nissan, Opel, Volkswagen, Saab, Volvo, Audi, Citroen, Fiat and BMW.

**Contents:**
14 radiator pressure testing caps, for use in testing cooling systems for leaks.
Two cap adaptors, sizes 2 - 3 and 4 - 5, for testing radiator cap release pressure and seal condition.
Two 200psi coolant hoses (5/16" and 3/8"), for use with T-adaptor for in-line pressure testing.
T-adaptor for creating in-line pressure testing set-up.
Two 3/4" hose clips.

| No. Pieces | Order Code KEN-503 |
|---|---|
| 22 | -0960K |

## KENNEDY® Compression Tester

Suitable for all types of spark plugs. Finds faults in piston rings, valves, head gaskets and cylinder bores. Suitable for use on most petrol engine vehicles and motorcycles. Can be used on crankshaft seals in two-stroke engines. 195mm flexible hose. For use on 14mm and 18mm threads. Large easy to read scale 0 - 21bar/0 - 300psi. Air release valve to allow rapid re-testing.

| Weight each | Order Code KEN-503 |
|---|---|
| 440g | -1160K |

## KENNEDY® Advance Timing Light

For checking and setting ignition timing on automotive, agricultural and marine engines. Measures ignition spark advance from 0 - 60°. For use on 12V systems. Reverse polarity protected. Accurate to 8,000rpm. 1m long removable coiled power leads. Impact resistant metal case and rubber nose cone. On/off trigger switch. Bright linear Xenon flash tube for daylight use. Focused lens provides a concentrated light. Easy to apply inductive impulse pick-up. Built in check light.

**Advance dial**

| Order Code KEN-503 |
|---|
| -5320K |

## KENNEDY® Mini Air Compressor

- 300 PSI maximum pressure, ideal for inflating tyres and more quickly and efficiently
- 12V power source easily plugs into a vehicle's socket for convenient on-the-go inflation
- Compact and lightweight design, Perfect for storing in a vehicle without taking up much space

| Max. Pressure Reading | Order Code KEN-503 |
|---|---|
| 300psi | -2501K |

## KENNEDY® Floor Standing Workshop Press

Ideal for pressing, bending and extruding. The Hydraulic pump can be manually operated or by compressed air connecting the airline supplied to an air supply line or direct to a compressor providing at least 8 - 9.5bar at 4cfm. Hydraulic gauge is included. Ideal for industrial and automotive applications.

**20 Tonnes**
Sturdy steel frame with end braces and wide feet for extra stability. Work bed height is adjustable in 8 increments of 120mm, allowing large work pieces to be worked on with maximum flexibility.

**Capacity:** 20 tonnes.
**Overall Height:** 1800mm.
**Overall Width:** 770mm.
**Base Size:** 750 x 700mm.
**Weight:** 76kg.

**30 Tonnes**
Heavy duty steel frame with end braces and wide feet for maximum stability. Work bed height is fully adjustable in 8 increments of 140mm, giving increased flexibility when working with large work pieces.

**Capacity:** 30 tonnes.
**Overall Height:** 1835mm.
**Overall Width:** 770mm.
**Base Size:** 750 x 700mm.
**Weight:** 105kg.

-9480K

-9490K

| Capacity | Work Bed Adjustable Height | Order Code KEN-503 |
|---|---|---|
| 20 Tonne | 120mm | **-9480K** |
| 30 Tonne | 140mm | **-9490K** |

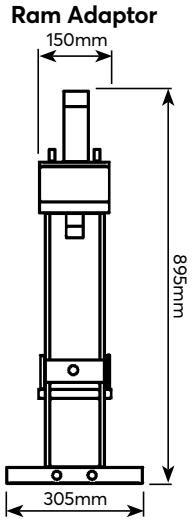
## KENNEDY® Hydraulic Bench Press

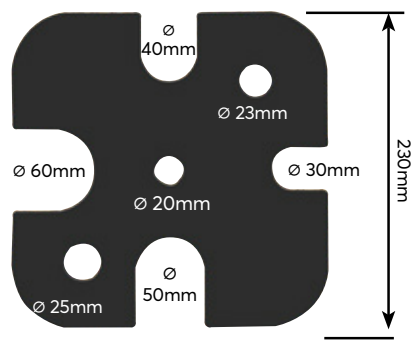
Ideal for pressing, bending and extruding. Built for tough daily use in industrial and automotive workshops, manufactured welded steel frame with two end braces for stability and a fully adjustable work bed providing flexibility and convenience. Fitted with a detachable pump and ram allowing hydraulics to be used for other purposes when the press is not being used. Hydraulic gauge is included.
**Capacity:** 10 tonnes.
These hydraulic presses are ideal for assembly, straightening, fabrication, quality control, maintenance, product testing, bending, forming, punching and shearing.

**Capacity**. . . . . 10 Tonne.
**Ram stroke**. . . . . 150mm.
**Extension screw** . . . . . 60mm.
**Max height of ram to table** . 300mm.
**Min height of ram to table**. . 90mm.
**Table aperture** . . . . . 140mm.
**Working table width** . . . . . 360mm.
**Overall height**. . . . . 895mm.

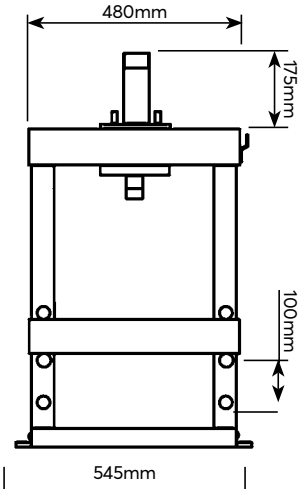
*1 tonne (metric ton or t) = 1000kg*
*1 ton (imperial ton) = 2240lbs (1016kg)*

**Ram Adaptor**






**Ram Adaptor**




Spare pump available - **(KEN503-8820K)**, see page **227**

| Weight each | Order Code KEN-985 |
|---|---|
| 47kg | **-5000K** |

**Accessories**

| Description | Order Code KEN-503 |
|---|---|
| Hydraulic Ram | **-1530K** |
| Arbor Plate | **-7290K** |

## KENNEDY® Cylinder Hone Set

Four different honing tools in one set suitable for honing/deglazing car brake and clutch cylinders, motorcycle, lawnmower, outboard motor engine cylinders, small bore car engine cylinders with capacities between 18 - 89mm. Self-aligning flexible shaft and leg assembly for smooth operation at all speeds and easy alignment. Honing diameter and pressure is adjusted via a simple, spring and cone mechanism. Suitable for use with a variable speed electric or air drill and fits into all three jaw chucks. Supplied in a plastic blow-moulded case.

**Overall length:** 200mm.

**Set Contents:** main honing body, twin leg set - 50mm, triple leg set - 50mm, triple leg set - 60mm; three sets of medium stones: 19 x 4.5mm (x3 off), 29 x 4.5mm (x5 off) and 51 x 7.0mm (x3 off).

**Twin Leg 18 - 64mm** For small brake cylinders 50mm twin leg set and 2x 29mm stones. (NB Ready assembled in kit)

**Triple Leg 19 - 68mm** For large brake/clutch cylinders. Use medium collar, 50mm triple leg set and 3x 29mm stones.

**Triple Leg 32 - 89mm** For disc brake cylinders. Use large spring, 60mm triple leg set and 3x 19mm stones.

**Triple Leg 32 - 89mm** For small engine cylinders. Use large spring, 60mm triple leg set and 3x 51mm stones.

**Replacement Stone Sets - 3 Piece, Medium**

| L x W (mm) | Weight each | Order Code KEN-503 |
|---|---|---|
| 19 x 4.5 | 83g | -2990K |
| 29 x 4.5 | 89g | -2980K |
| 51 x 7.0 | 99g | -3000K |

| Type | Weight each | Order Code KEN-503 |
|---|---|---|
| 4-in-1 | 248g | -2930K |

## KENNEDY® Cylinder Hone

For honing of brake cylinders and piston bores with capacities between 19 - 68mm. Self aligning flexible shaft and leg assembly for smooth operation at all speeds. Honing diameter and pressure is adjusted via a simple, spring and cone mechanism.
Suitable for use with a variable speed electric or air drill and fits into all 3 jaw chucks. Supplied complete with a medium grade stone set. For storage purposes legs are retained in position by a triangular clip. This can be removed using long nose pliers or tweezers and should be retained for further use. Replacement stone sets available.
Use brake fluid for cutting lubricant.

**Overall length:** 200mm.

| Type | Weight each | Order Code KEN-503 |
|---|---|---|
| 3 Leg | 105g | -2940K |
| **Replacement Stones - 29 x 4.5mm** | | |
| Medium | 89g | -2980K |

## KENNEDY® Heavy Duty Cylinder Hone

For honing of brake cylinders and piston bores with capacities between 51 - 178mm.
Self-aligning flexible shaft and leg assembly for smooth operation at all speeds. Honing diameter and pressure is adjusted via a simple, spring and cone mechanism. Suitable for use with a variable speed electric or air drill and fits into all three jaw chucks. Supplied complete with a fine grade stone set. For storage purposes legs are retained in position by a triangular clip. This can be removed using long nose pliers or tweezers and should be retained for further use. Replacement stone sets available. Use brake fluid for cutting lubricant.

**Overall length:** 290mm.

| Type | Weight each | Order Code KEN-503 |
|---|---|---|
| 3 Leg | 380g | -2920K |
| **Replacement Stone Sets - 100 x 9mm - 3 Piece** | | |
| Fine | 88g | -2950K |
| Medium | 93g | -2960K |
| Coarse | 97g | -2970K |

# AUTOMOTIVE - PISTON & VALVE TOOLS

## KENNEDY® Piston Ring Compressors

Compresses piston rings into position reducing the risk of damage to components. Key operated with ratchet mechanism and safety valve. Made from tempered spring steel complete with steel key.

**PRC-540**
For passenger car vehicle engines.
**Capacity:** 57 - 125mm (2¼" - 5").
**Height:** 80mm (3¼").

**PRC-730**
For car/light commercial vehicle engines.
**Capacity:** 90 - 175mm (3½" - 7").
**Height:** 100mm (4").

**PRC-765**
For heavy commercial vehicle engines.
**Capacity:** 90 - 175mm (3½" - 7").
**Height:** 165mm (6½").

| Model Number | Capacity | Order Code KEN-503 |
|---|---|---|
| PRC540 | 57 - 125mm | -2210K |
| PRC730 | 90 - 175mm | -2240K |
| PRC765 | 90 - 175mm | -2270K |

## KENNEDY® Valve & Piston Ring Compressors

Designed for use on production lines as well as in the automotive workshop. Able to cope with occasional commercial use. Manufactured from bright nickel plated steel with PVC cushion grips.

| Opening Capacity | Throat Depth | Order Code KEN-503 |
|---|---|---|
| | **Straight** | |
| 75-230 | 230 | -2010K |

## KENNEDY® Piston Ring Pliers

Enables fast installation or removal of piston rings. A self-adjusting spring tensioned mechanism manufactured from nickel-plated steel with PVC handles for extra grip.

| Model Number | Capacity | Order Code KEN-503 |
|---|---|---|
| PRP100 | 50 - 100mm | -2090K |

## KENNEDY® Valve Spring Compressor

A unique 'direct action' compressor lever gives improved visibility and ease of use in areas of difficult access. In heavy duty steel with all rivetted joints and a slip resistant rubber handle.

**VSC145**
For use on large and diesel engines.
**Restricted access adaptors:** 25, 30mm.
**Throat clearance:** 250mm.

**35 - 200mm Capacity**



| Capacity Min./Max. | Weight each | Order Code KEN-503 |
|---|---|---|
| 35-200mm | 2.50kg | -2700K |

## KENNEDY® Valve Spring Compressor

**VSC175**
For use on multi-valve petrol and diesel engines with deep seated valves.
**Restricted access adaptors:** 25, 30mm.
**Throat clearance:** 165mm.
**Packaging dimensions (W x H x D):**
430 x 205 x 40mm.

**55 - 175mm Capacity**

| Capacity Min./Max. | Weight each | Order Code KEN-503 |
|---|---|---|
| 55-175mm | 2.20kg | -2710K |

## KENNEDY® Straight Head Valve Seal Ring Pliers

For the easy removal of most valve stem seals and lower valve spring guides in restricted areas above the cylinder head. Gripping serrations inside the jaws aid gripping the outside diameter of the valve stem seal. Steel pliers with double rivetted metal handles.

**Standard Overalll length:**
250mm, 50mm reach.

**Extra Long**
**Overall length:** 270mm, 80mm reach.

| Type | Order Code KEN-503 |
|---|---|
| Standard | -2680K |
| Extra Long | -2690K |

## KENNEDY® 40" Car Creeper

- Underside vehicle repairs can be difficult and frustrating without the right equipment
- Speed up the process, stay cleaner, more comfortable and get a better job done with this car creeper
- Dimensions (LxWxH): 1025 x 425 x 105mm

| Order Code KEN-503 |
|---|
| -7390K |

## KENNEDY® Padded Creeper Seat

The creeper seat is fitted with a parts tray for tools and components.

| Type | Size L x W x H (mm) | Weight each | Order Code KEN-503 |
|---|---|---|---|
| Seat | 365 x 355 x 355 | 3.50kg | -7340K |

## KENNEDY® 2-in-1 Padded Creeper Board & Seat

Heavy duty steelframe with powder coat finish. Vinylcoated cushioning. Quickly converts from creeper to seat. Adjustable back and parts tray when in the seat position.

**Capacity:** 150kg (folded) 300kg (unfolded)

| Size L x W x H (mm) | Weight each | Order Code KEN-503 |
|---|---|---|
| 1050 x 480 x 100 | 13.0kg | -7300K |

## KENNEDY® Mechanic's Stethoscope

Professional stethoscope provides a fast and easy way to locate noises in engines or bearings and other moving parts. High quality surgical grade PVC and rubber parts for increased sound definition, plastic ear-pieces minimise outside noise with an aluminium alloy probe/needle for finding the exact location of specific noises.
Supplied with rubber trumpet for checking vacuum and pressure flow. Useful for synchronising multi carburettors, helps to track dashboard rattles and is ideal for pinpointing unusual vibrations or suspected leaks, it is also shockproof.

| Product Number | Order Code KEN-503 |
|---|---|
| MSC110 | -2740K |

## KENNEDY® Creeper Board with Magnetic Trays

High-impact moulded plastic creeper board lets you work under vehicles with ease. Low profile design to provide greater clearance. Padded headrest with removable magnetic tool trays and 6x75mm PVC coated caster wheels.

**Capacity:**
113kg (250lbs).
**Dimensions (L x W x H):**
1020 x 475 x 120mm.
**Weight:** 5kg.

| Type | Size L x W x H (mm) | Weight each | Order Code KEN-503 |
|---|---|---|---|
| Board | 1020 x 475 x 120 | 5.00kg | -7420K |

## SENATOR QUALITY TOOLING Lightweight Plastic Creeper Board

Durable, lightweight moulded plastic creeper board ideal for use in garages. Padded headrest with 4x 50mm polypropylene caster wheels.

**Capacity:** 127kg (280lbs).
**Dimensions (L x W x H):**
910 x 405 x 105mm.
**Weight:** 3kg.

| Type | Size L x W x H (mm) | Weight each | Order Code SEN-503 |
|---|---|---|---|
| Board | 910 x 405 x 105 | 3.00kg | -7378K |

## KENNEDY® Trolley Jack

Strong steel chassis provides stability when under load. Fixed direction castors and swivel castors for easier positioning under vehicles. Long reach single piece pump handle with comfort rubber for rapid raising and lowering. Safety overload protection valve prevents overload damage to hydraulic mechanism. Integral carry handle.
**GS and TUV approved.**
**-6320K:** 525 x 225 x 145mm
**-6920K:** 1150 x 360 x 210mm

**-6320K**

**-6920K**

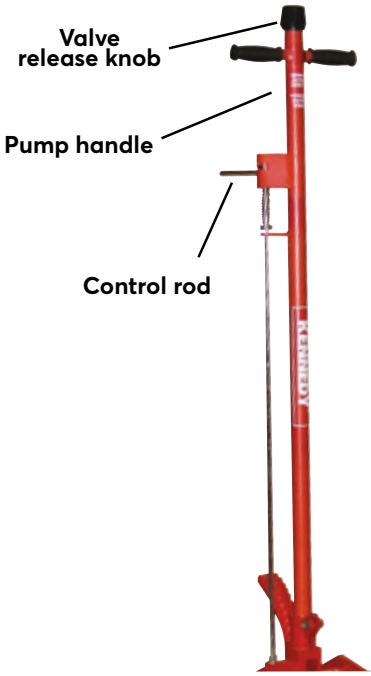
| Maximum Load | Height (mm) Min. - Max. | Weight each | Order Code **KEN-503** |
|---|---|---|---|
| 2000kg | 130 - 380 | 12.0kg | **-6320K** |
| 2000kg | 140 - 800 | 58.0kg | **-6920K** |

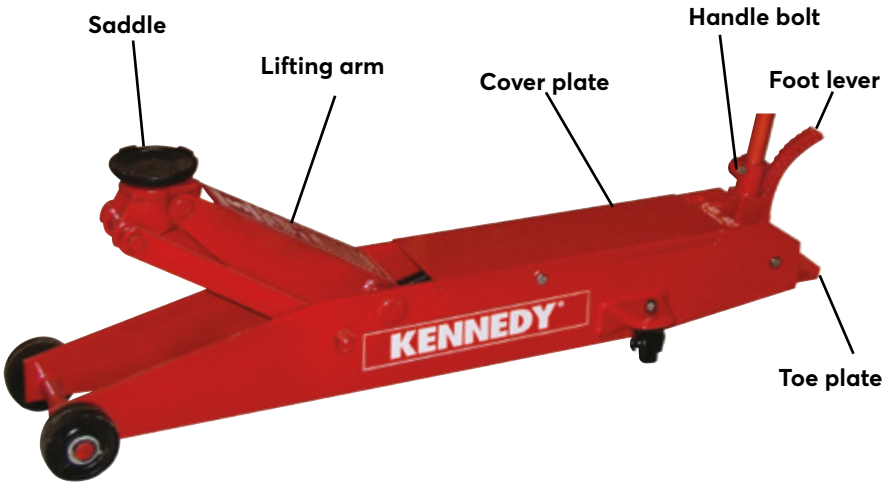
## KENNEDY® Heavy Duty Trolley Jacks

Constructed from heavy gauge steel for heavy-duty use with a large diameter saddle for a secure hold under the jacking point. Extra long handle for easy access under bigger vehicles which also tilts and locks in three positions with a built-in handle mounted safety release to prevent accidental lowering of the load. A foot pedal pump and fine adjustment are fitted on the handle for optimum vehicle height. Automatic safety overload protection and rear toe plate for easy positioning.

| Model Number | Max Load (kg/Tonne) | Min Height (mm) | Max Height (mm) | Saddle R (mm) | Handle Pieces (mm) | Handle Length (mm) | Chassis Length (mm) | Chassis Width (mm) | Chassis Height (mm) | Net Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| **-6380K** | 5,000/5 | 150 | 560 | 130 | 1 | 1,200 | 1,420 | 370 | 200 | 95.0 |
| **-6420K** | 10,000/10 | 160 | 560 | 150 | 1 | 1,200 | 1,555 | 490 | 255 | 145.0 |

*1 tonne (metric ton or t) = 1000kg.* *1 ton (imperial ton) = 2240lbs (1016kg).*




| Capacity | Order Code **KEN-503** |
|---|---|
| 5 Tonne | **-6380K** |
| 10 Tonne | **-6420K** |

## KENNEDY 3 Tonne Quick Lift Trolley Jack

3 tonne capacity. One stroke instant lift foot pedal, raises the saddle up to jack point to increase productivity. Constructed from heavy gauge steel. 1m, two-piece handle. 120mm diameter saddle.
Automatic safety overload protection. Positive twist, lock and release mechanism. Heavy duty rear swivelling castor wheels.
**Maximum load:** 3000kg.
**Minimum height:** 145mm.
**Maximum height:** 490mm.

QUICK LIFT

**Dimensions**
**-7100K:** 685 x 346 x 180mm

| Maximum Load | Height (mm) Min. - Max. | Weight each | Order Code KEN-503 |
|---|---|---|---|
| 3000kg | 145 - 490 | 37.2kg | **-7100K** |

## KENNEDY Low Profile Service Trolley Jacks

Low Profile Trolley Jacks have strong, robust steel chassis to provide stability when under load. A low entry height. Heavy duty fixed direction castors and swivel castors ensure easy positioning under the vehicle prior to lifting. The pump handle with comfort rubber grip is to rapidly raise and lower the load arm and the vehicle. For use on firm level surfaces. **DO NOT** work under the raised vehicle until another means of support, such as axle stands are in place.

2 Tonne

3 Tonne

| Maximum Load | Height (mm) Min. - Max. | Weight each | Order Code KEN-503 |
|---|---|---|---|
| 2000kg | 89 - 359 | 14.5kg | **-6520K** |
| 3 Tonne | 85 - 450 | 29.3kg | **-8350K** |

## KENNEDY 2.5 Tonne Low Profile Quick Lift Lightweight Trolley Jack

3 tonne capacity. Made of a lightweight aluminium and steel construction. Its low profile makes it ideal for any type of car, including sports and race cars, and its swivel castor wheels enable easier positioning under vehicles. It also has a quick lift with dual pump and a rubber hand grip for user comfort.

QUICK LIFT

**Dimensions**
**-6540K:** 685 x 345 x 180mm

| Maximum Load | Height (mm) Min. - Max. | Weight each | Order Code KEN-503 |
|---|---|---|---|
| 2500kg | 100 - 460 | 28.5kg | **-6540K** |

## KENNEDY 2 Tonne Low Profile Long Reach Trolley Jacks

A low entry height Trolley Jack. Heavy duty fixed direction castors, swivel castors and inside wheel ensure excellent manoeuvrability and easy positioning under the vehicle prior to lifting. The foot pedal is to rapidly raise and lower the load arm and the vehicle. The long reach pump handle has a comfort rubber grip. Includes a practical tray for carrying tools and a rubber pad for the saddle. For use on a firm level surfaces.

**Dimensions**
**-6570K:** 1010 x 365 x 135mm
**-6580K:** 1150 x 350 x 180mm

| Maximum Load | Height (mm) Min. - Max. | Weight each | Order Code KEN-503 |
|---|---|---|---|
| 2000kg | 76 - 510 | 42kg | **-6570K** |
| 3000kg | 140 - 525 | 50kg | **-6580K** |

## SENATOR QUALITY TOOLING Hydraulic Trolley Jack, 2 Tonne

- Safety bypass system prevents over loading
- Equipped with pump piston dust shields and wiper seals
- Designed to fit under low vehicles and in confined spaces
- Quick and easy jack removal
- Swivel castors and a carry handle for optimum manoeuvrability
- Minimum lifting height: 135mm
- Maximum lifting height: 340mm
- Dimensions: 447 x 196 x 135mm

| Maximum Load | Height (mm) Min. - Max. | Weight each | Order Code SEN-503 |
|---|---|---|---|
| 2000kg | 135 - 340 | 8.7kg | **-6410K** |

## SENATOR QUALITY TOOLING Hydraulic Trolley Jacks - 3 Tonne

Featuring steel chassis for stability, swivel castors for easier positioning and 1 piece handle with rubber grip for extra comfort. With overload protection valve, separate release mechanism and integral carry handle.

| Maximum Load | Height (mm) Min. - Max. | Weight each | Order Code SEN-503 |
|---|---|---|---|
| 3000kg | 130 - 410 | 15.8kg | **-6360K** |

# AUTOMOTIVE - JACKS & STANDS

## KENNEDY® Maximum Height Bottle Jack

- Cast iron bases with a steel cylinder housing and an adjusting notched saddle
- Fitted with an overload protection valve
- Handle also operates hydraulic release
- Complies with the EC Machinery Directive
- GS and TUV approved

| Capacity | Lifting Height Min. mm | Weight each | Order Code KEN-503 |
|---|---|---|---|
| 2 | 140 | 2.40kg | -8032K |
| 3 | 168 | 3.10kg | -8034K |
| 5 | 185 | 4.10kg | -8036K |
| 8 | 190 | 4.90kg | -8038K |
| 12 | 205 | 7.70kg | -8040K |
| 15 | 205 | 7.70kg | -8042K |
| 20 | 217 | 9.80kg | -8044K |
| 32 | 230 | 15.89kg | -8046K |
| 50 | 240 | 25.38kg | -8048K |

## KENNEDY® Scissor Jack

Made from heavy-duty steel with a rubber saddle which provides a positive grip and prevents damage to jacking points. Designed to safely raise vehicles. Easy to use and compact for easy storage.
1 Tonne (1000kg) safe working load. Wide base plate for extra stability.

**Lifting range:** 88 - 383mm.
**Base plate size:** 150 x 90mm.
**Spindle thread:** 12.5 x 2.5mm.

| Capacity | Weight each | Order Code KEN-503 |
|---|---|---|
| 1 Tonne | 2.80kg | -5920K |

## KENNEDY® Ratcheting Axle Stands

Suitable for supporting raised vehicles or equipment. Protective red enamel coating. 10-position ratchet design that automatically locks when raised.

| Capacity/pair | Per Stand | Min.-Max. Height | Order Code KEN-503 |
|---|---|---|---|
| 4 Tonne (4000kg) | 2T | 265-418mm | -5520K |
| 6 Tonne (6000kg) | 3T | 280-420mm | -5530K |
| 12 Tonne (12000kg) | 6T | 390-608mm | -5560K |

## KENNEDY® 500kg Engine Support Beam

For supporting and accurately positioning engines during maintenance operations and as an aid for the removal of gearboxes and transmissions. 500kg (½ tonne) capacity. Adjustable width to bridge various engine compartments. Fitted with soft rubber feet to protect the bodywork. Supplied with a 92cm long chain. Supporting legs can be tilted.

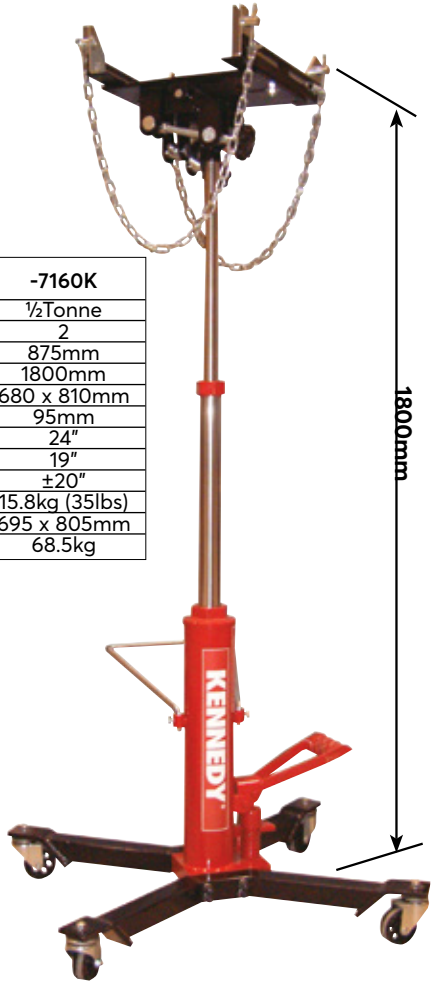
Group 582

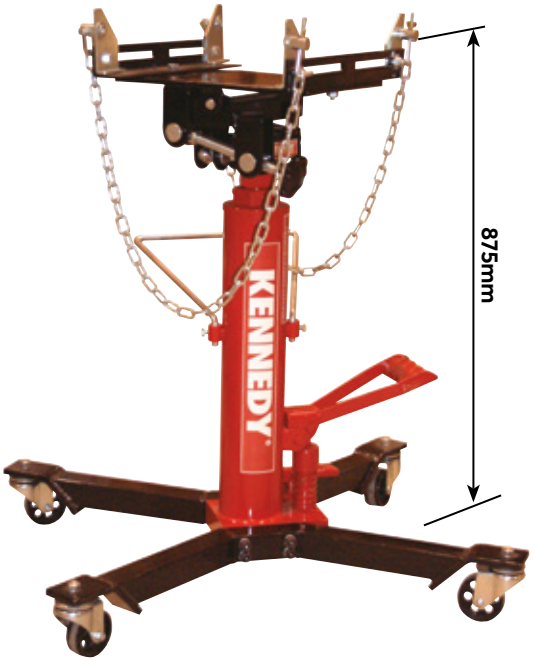
| Capacity | Order Code KEN-503 |
|---|---|
| 500kg | -8100K |

## KENNEDY® Telescopic Transmission Jack

Ideal for car and light commercial transmission removal and installation. Fully adjustable universal rotary saddle with adjustable corner brackets and safety chains. Foot operated pump and release valve leaves both hands free to manoeuvre transmission. Wide base with four 3" dia. swivel-type ball bearing castors providing stability and easy manoeuvring. Two-stage flash chromed rams inhibit rust from entering the hydraulic system.
Lifts from 875 to 1800mm.

| Contents | -7160K |
|---|---|
| Capacity | ½Tonne |
| Ram Extensions | 2 |
| Minimum Saddle Height | 875mm |
| Maximum Saddle Height | 1800mm |
| Saddle Size | 680 x 810mm |
| Chain Length | 95mm |
| Saddle Tilt Forward | 24" |
| Saddle Tilt Back | 19" |
| Saddle Tilt Side | ±20" |
| Saddle Return Weight | 15.8kg (35lbs) |
| Base | 695 x 805mm |
| Weight | 68.5kg |




| Transmission Jack | |
|---|---|
| Order Code | KEN-503 |
| -7160K | |

## KENNEDY® Hydraulic Nut Splitter Set

The hydraulic ram provides up to 10 tonnes of direct non-twisting application of thrust that is more effective and secure than a mechanical thrust screw. Fully threaded body allows for quick and easy height adjustment. The splitter bodies are manufactured from carbon steel.

**8 Piece Set contents:**
1x hydraulic ram.
1x splitter body ⅜" diameter capacity.
1x splitter body ½" diameter capacity.
1x splitter body ⅝" diameter capacity.
1x splitter body ¾" diameter capacity.
1x splitter body 1" diameter capacity.
1x threaded attachment sleeve.
1x oil bottle.

| Weight each | Order Code KEN-503 |
|---|---|
| 4.45kg | -4300K |

## KENNEDY® Nut Splitters

Mechanical drop forged, hardened and tempered plated steel. Ideal for releasing seized/damaged nuts etc.

**4 Piece Set**
Contents (1 of each): No.1, No.2, No.3, No.4.

| Weight each | Order Code KEN-503 |
|---|---|
| 1.40kg | -4290K |

# AUTOMOTIVE - OIL FILTER & SUMP TOOLS

## KENNEDY® Oil Drain Plug Key Set

A comprehensive set of quality ⅜" sq. drive oil drain plug keys with tommy bar. Made from satin finished chrome vanadium.

**Contents:** Male Square: 7mm, 8mm (5/16"), 9mm, (⅜"), 10mm, 11mm, 12mm and 13mm.
Female Square: 10mm.
Male Hex: 8, 9, 10, 12, 14 and 17mm. Male Triangular 10mm.
Tommy bar.

| Order Code KEN-503 |
|---|
| -1720K |

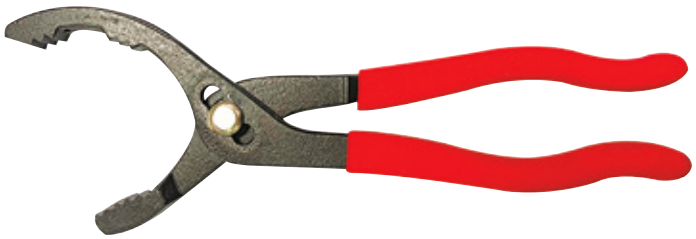
## KENNEDY® Three Jaw Oil Filter Wrench

For use with ratchet handles, extension bars, flexible drives etc. With ⅜" square drive and hexagon adaptor, or use with 19mm/¾" AF spanners or sockets. All steel construction, chrome plated with milled teeth on gripping arms for positive action when loosening or tightening.

| Spread/ Range | Weight each | Order Code KEN-503 |
|---|---|---|
| 60 to 120mm | 600g | -1800K |

## KENNEDY® Oil Filter Pliers

Manufactured from hardened and tempered chrome vanadium with chemically blackened corrosion resistant finish and vinyl grip. Three position rapid jaw adjustment with high grip tooth profile, ensures the minimum amount of effort is required to remove or fit oil filters.

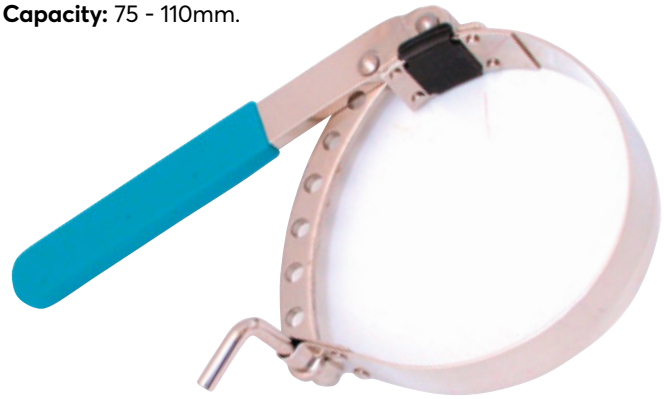


| Size | Capacity (mm) | Order Code KEN-503 |
|---|---|---|
| 255mm (10") | 69 - 80 | -1760K |
| 305mm (12") | 50 - 114 | -1780K |

## SENATOR QUALITY TOOLING Oil Filter Wrench

Articulated filter wrench with swivel action tightener. Suitable for oil filters with limited access.

**Capacity:** 75 - 110mm.



| Spread/ Range | Order Code SEN-503 |
|---|---|
| 75 to 110mm | -1800K |

## YATES INTERNATIONAL Explosafe Fuel Container

- UN-certified for enhanced safety
- Aluminium foil mesh absorbs heat and reduces explosive risks
- Fuel-retardant internal powder coat prevents contamination
- Rust-resistant powder-coated exterior ensures durability
- Leakproof bayonet cap with secure locking pin for safe transport
- Perfect seal for confidence in fuel storage and transportation

| Capacity | Colour | Order Code CTL-503 |
|---|---|---|
| 5ltr | Green | -4973B |
| 10ltr | Green | -4973C |
| 5ltr | Red | -4973D |
| 10ltr | Red | -4973E |
| 10ltr | Yellow | -4973F |

| Capacity | Colour | Order Code CTL-503 |
|---|---|---|
| 5ltr | Green | -5852T |
| 5ltr | Black | -5852U |
| 5ltr | Red | -5852V |

# AUTOMOTIVE - PULLERS & SEPARATORS



## KENNEDY® Double Ended Mechanical Pullers

- All sizes have double-ended, adjustable, reversible legs
- Mechanical pullers that are ideal for the removal of gears, ball races, bearings, pulleys and sprockets from a drive shaft

**2 Jaw Pullers**

**3 Jaw Pullers**

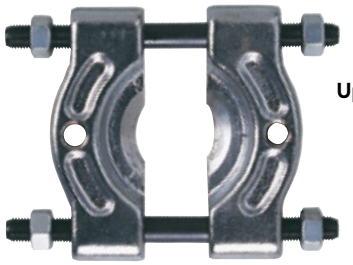
**Combined 2+3 Jaw Pullers**

| Spread mm | Reach mm | Thread Length mm | Order Code KEN-503 |
|---|---|---|---|
| **2 Jaw Pullers - Supplied with both 2-legged yoke** | | | |
| 76mm | 65mm | 125mm | **-3010K** |
| 102mm | 86mm | 162mm | **-3011K** |
| 153mm | 140mm | 202mm | **-3012K** |
| 203mm | 200mm | 317mm | **-3013K** |
| **3 Jaw Pullers - Supplied with both 3-legged yoke** | | | |
| 76mm | 65mm | 125mm | **-3014K** |
| 102mm | 86mm | 162mm | **-3015K** |
| 153mm | 140mm | 202mm | **-3016K** |
| 203mm | 200mm | 317mm | **-3017K** |
| **Combined 2+3 Jaw Pullers** | | | |
| 76mm | 65mm | 125mm | **-3018K** |
| 120mm | 82mm | 122mm | **-3019K** |
| 177mm | 139mm | 174mm | **-3020K** |
| 203mm | 177mm | 174mm | **-3021K** |

## KENNEDY® Bearing Separators

For removing bearings, gears and bushes from shafts where access with a mechanical puller is restricted. Separators have tapered edge for insertion behind close fitting bearings, gears and bushes.

**Jaw hardness:**
42° - 45° HRC.



**Up to 150mm capacity**

| Capacity (mm) | Order Code KEN-503 |
|---|---|
| 30 - 50 | **-4520K** |
| 50 - 75 | **-4540K** |
| 75 - 105 | **-4560K** |
| 105 - 150 | **-4580K** |

## KENNEDY® Extra Long Reach Mechanical Puller - 2 Jaw

**Reversible**
Manufactured from drop forged hardened alloy steel. Three position extra long legs to be used where access is limited. The puller legs are securely located on the bearing by screwing down the tapered nut to lock the arms in position. The legs are then retracted with the bearing by turning the T-bar to extend the thrust bolt on to fixed shaft.
**Spread:** 10 - 50mm.
**Reach:** 300mm.

**Up to 300mm capacity**

| Reach | Weight each | Order Code KEN-503 |
|---|---|---|
| 300mm | 1.20kg | **-3320K** |

## KENNEDY® Mechanical Separator Set

**30 - 75mm**
For removing bearings, gears, sprockets and bushes.
Metal storage case.

**Contents:**
1x 7" thrust bolt.
1x 30 - 50mm separator.
1x 50 - 75mm separator.
2x 80 and 100mm main rods.
2x 90 and 110mm extension rods.
1x beam.

**8 PIECES**

| Weight each | Order Code KEN-503 |
|---|---|
| 4.95kg | **-4750K** |

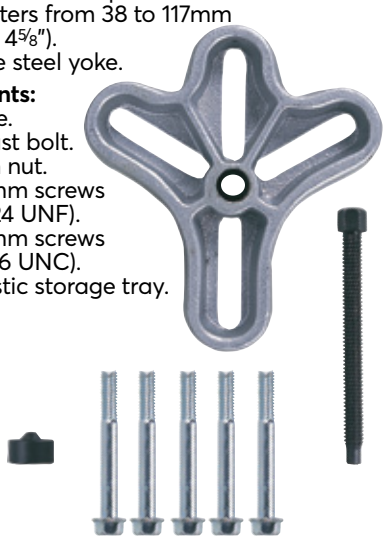
# AUTOMOTIVE - PULLERS & SEPARATORS



## KENNEDY® Mechanical Puller Sets

**-3400K Steering Wheel**
Suitable for GM, Ford and Chrysler vehicles. Also suitable for removing pulleys and fly wheels.
**Contents:**
1x yoke,
1x thrust bolt.
1x thrust cap.
2x 75mm screws (5/16" x 24 UNF).
2x 75mm screws (3/8" x 16 UNC).
2x 90mm screws (5/16" x 18 UNC).
1x plastic storage tray.

**-3420K Harmonic Balance**
For harmonic balance removal, timing gears and other parts with bolt circle diameters from 38 to 117mm (1½" to 4⅝").
Ductile steel yoke.
**Contents:**
1x yoke.
1x thrust bolt.
1x ram nut.
3x 75mm screws (3/8" x 24 UNF).
3x 75mm screws (3/8" x 16 UNC).
1x plastic storage tray.

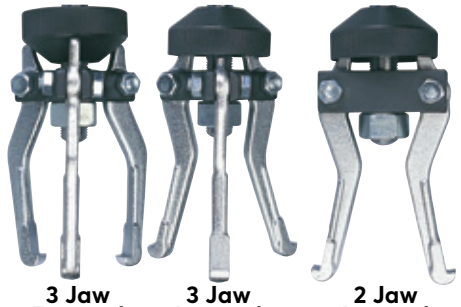


**-3440K Combination**
Steering wheel puller suitable for GM, Ford and Chrysler vehicles.
For harmonic balance removal, timing gears and other parts with bolt circle diameters from 38 to 117mm (1½" to 4⅝").
**Contents:**
As 3400K and 3420K above.

| Weight each | Order Code KEN-503 |
|---|---|
| 1.00kg | -3400K |
| 1.80kg | -3420K |
| 2.75kg | -3440K |

## KENNEDY® Slide Hammer Puller Set

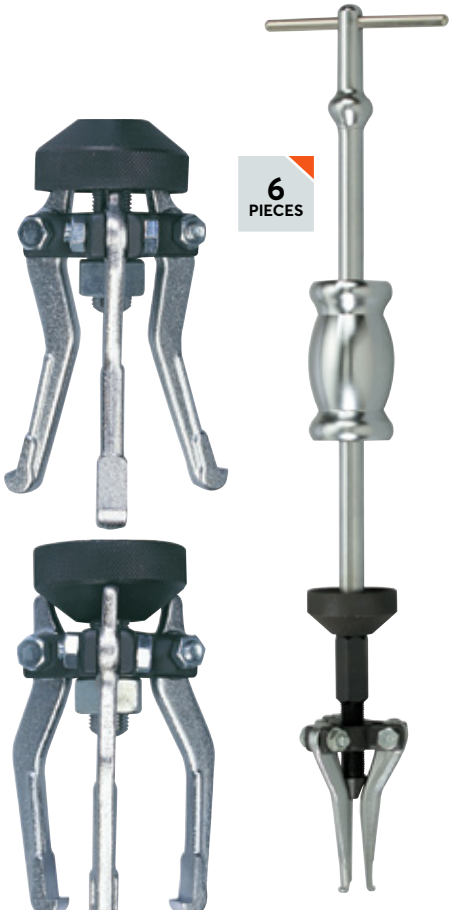
**3 Jaw Internal & External Multi-function**
Fully hardened and chromed carbon steel slide hammer with a 1.2kg weight.
Slide hammer design for removing bearings from blind housings. Suitable for use where a shaft or other solid surface is not available for a thrust bolt or hydraulic ram to push against. The bearing is removed by the impact action of the slide hammer weight hitting the stop at the end of the bar. The puller legs are securely located on the bearing by screwing down the tapered nut to lock the arms in position. Blow moulded storage case.
**Contents:**
1x T-bar.
1x hammer.
1x two jaw head.
1x three jaw head.
1x leg locking nut.
1x grip wrench adaptor.
1x tapping adaptor and hook.
2x axle pullers.
3x 120mm puller legs,
3x screw and nut assemblies.
1x blow moulded storage case.




| Weight each | Order Code KEN-503 |
|---|---|
| 8.20kg | -3480K |

## KENNEDY® Slide Hammer Puller Set

**3 Jaw Internal & External Multi-function Slide Hammer Puller Set**
Fully hardened and chromed carbon steel slide hammer with a 1.2kg weight.
Slide hammer design for removing bearings from blind housings.
Suitable for use where a shaft or other solid surface is not available for a thrust bolt or hydraulic ram to push against. The bearing is removed by the impact action of the slide hammer weight hitting the stop at the end of the bar. The puller legs are securely located on the bearing by screwing down the tapered nut to lock the arms in position.
Blow moulded case.
**6 Piece Set Contents:**
1x T-bar.
1x hammer 1.2kg.
1x 3 jaw internal puller 15 - 30mm.
1x 3 jaw internal puller 30 - 80mm.
1x 3 jaw external puller 15 - 80mm.
1x blow moulded case.



| Weight each | Order Code KEN-503 |
|---|---|
| 4.95kg | -3340K |

# AUTOMOTIVE - PULLERS & SEPARATORS

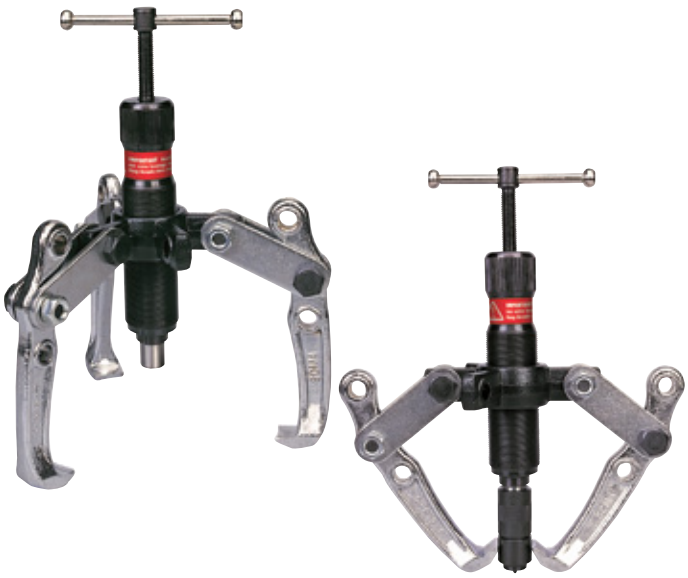


## KENNEDY® 6 Way Hydraulic Puller Set - 2 & 3 Jaw

10 ton capacity hydraulic ram with tommy bar. Supplied with three position puller legs covering a spread of 50 - 250mm and reach of 0 - 250mm. Can be used as a two or three legged puller with the same head.

**Contents:**
1x combination head.
1x hydraulic ram.
3x three position puller legs.
6x leg connectors.
6x screw nuts, bolts and washers.
1x 32mm extension rod.
1x ram nut.
1x blow moulded storage case.

**250mm reach**



| Weight each | Order Code KEN-503 |
|---|---|
| 4.90kg | **-3500K** |

## KENNEDY® Hydraulic Separator Sets

**-4700K** 105 - 150mm
**-4720K** 75 - 105mm

For removing bearings, gears, sprockets and bushes. 10 ton capacity hydraulic ram with tommy bar. Metal storage case.

**Both sets contain:**
1x hydraulic ram.
1x separator.
2x 200mm main rods.
2x 230mm extension rods.
1x beam.
1x ram nut.

**-4700K (only) also contains**
1x 80mm push plate.
1x 50mm ram extension.
1 x 100mm ram extension.

**8 PIECES**

**-4700K Set Illustrated**

| Weight each | Order Code KEN-503 |
|---|---|
| 15.0kg | **-4700K** |
| 9.30kg | **-4720K** |

## KENNEDY® Hydraulic Ram

10 ton capacity grease filled hydraulic ram with spring loaded plunger. Provides direct non-twisting application of thrust that is more effective and secure than a mechanical thrust screw. Fully threaded body allows for quick and easy height adjustment.

**Capacity:** 10 ton.
**Length (excluding handle):** 190mm.
**Diameter of ram:** 38mm.
**Thread pitch:** 16 gauge x 3/8" BSW

| Weight each | Order Code KEN-503 |
|---|---|
| 1.40kg | **-7200K** |

## KENNEDY® Hydraulic Puller/ Separator Set

10 ton capacity hydraulic ram with tommy bar.
Suitable for agricultural machines, garage and industrial use.

**Contents:**
1x hydraulic ram (KEN- 503-7200K).
3x 4", 6" and 8" puller legs.
1x twin head.
1x triple head.
1x 50mm ram extension.
1x 100mm ram extension.
2x 200mm main rods.
2x 230mm extension rods.
1x 75 - 105mm separator.
1x bolt.
1x ram ring. 1x ram nut.
Blow moulded storage case.

| Weight each | Order Code KEN-503 |
|---|---|
| 16.0kg | **-3520K** |

## KENNEDY® Ball Joint Servicing Kit

Made from cast iron and hardened carbon steel, this kit is designed for the removal of press fit type ball joints without having to remove the control arm from the vehicle. The kit can also be used for removing brake anchor pins and the servicing of universal joint bearings.

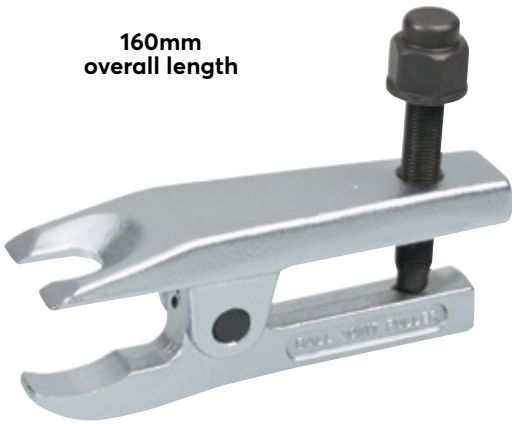
| Description | Weight each | Order Code KEN-503 |
|---|---|---|
| Ball Joint Servicing Kit | 7.60kg | **-1300K** |

## KENNEDY® Ball Joint Separators

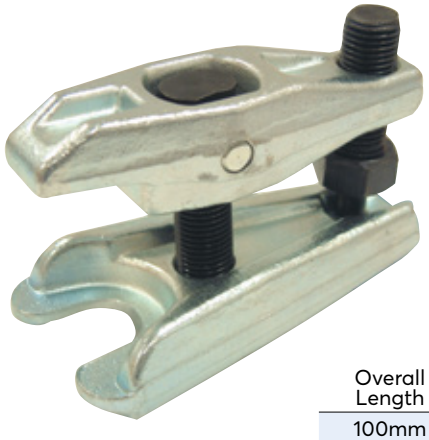
Manufactured from drop forged alloy steel with slim tapered fork jaw for easier access into confined areas.
For use on most car and light commercial vehicle ball joints.

**100mm Overall Length - Restricted Access**
Designed for use in hard to reach and confined areas.
Mainly for use on Asian import cars.

**160mm overall length**



**100mm overall length**



| Overall Length | Capacity | Throat Depth | Throat Width | Weight each | Order Code KEN-503 |
|---|---|---|---|---|---|
| 100mm | 22mm | 22mm | 22mm | 740g | **-1400K** |
| 160mm | 45mm | 22mm | 18mm | 1120g | **-4400K** |

## KENNEDY® Spring Compressor Sets

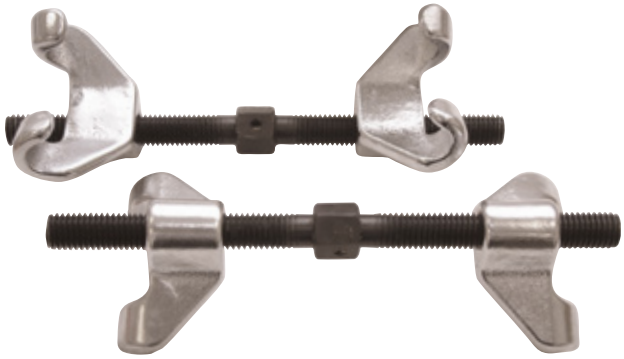
Hardened steel screws and cast steel claws.

**2 Legged**
Central hexagonal drive with wrap over coil claws which can be reversed for spreading applications. Use with 21mm/$^{13}/_{16}$" AF open ended spanner.

**Maximum jaw opening:** 250mm.

**3 Legged**
Each leg has one free moving claw and one threaded claw with a ½" square drive or 24mm hexagon drive - can be used with air tools or spanners. Fitted with safety hooks.

**Maximum jaw opening:** 240mm.



| Number of Legs | Weight each | Order Code KEN-503 |
|---|---|---|
| 2 | 1.20kg | **-2410K** |
| 3 | 3.00kg | **-2420K** |

## KENNEDY® 4000kg Elasticated Tow Rope

Two zinc plated steel safety hooks. Elasticated core minimises drag on overrun. Heavy duty stitched webbing. On tow sign. Manufactured to **BS AU 187 1983.**

**Extended Length:** 4m.

| Length | Order Code KEN-503 |
|---|---|
| 4m | -8240K |

## KENNEDY® 2000kg Tow Rope

Zinc plated steel safety hook. Looped one end. Manufactured from tough high visibility polypropylene. On tow sign. Manufactured to **BS AU 187 1983.**

**Length:** 3.6m.

| Length | Order Code KEN-503 |
|---|---|
| 3.6m | -8220K |

## KENNEDY® Fluorescent Warning Triangle

Manufactured from ABS plastic. This simple folding design combines a sturdy four footed base with its rubber grip feet and a high visibility interlocking triangle conforming to European Standard **ECE R27** and tested to **E1** specifications. Supplied in a low profile plastic carrying case.

**Triangle dimensions:** 440mm (each side).
**Triangle height:** 380mm.

| Description | Order Code KEN-503 |
|---|---|
| Warning Triangle | -8400K |

## SENATOR QUALITY TOOLING® Telescopic Wheel Wrench

Manufactured from drop forged chrome vanadium steel. Supplied with 17/19mm double ended socket that will fit the majority of car wheel nuts. Can be used with any other ½" drive accessories. Extends to 500mm overall to give maximum leverage. **GS and TUV approved.**

| Drive | Weight each | Order Code SEN-503 |
|---|---|---|
| ½" | 1.00kg | -9000K |

## KENNEDY® Steel Fuel Can

Manufactured from heavy gauge steel with an epoxy coated finish. Supplied with a flexible polythene vented pouring spout. Suitable for storage and transportation of petroleum spirit. Tested to **DIN 7274, complies with UN Class 3**.

| Capacity | Weight each | Order Code KEN-503 |
|---|---|---|
| 10ltr | 1.90kg | -9200K |

## KENNEDY® 5ltr Fuel Container

Suitable for transporting and storage of petroleum spirit and diesel. UN approved, conforms with **S.I. 1982/630 Petroleum Spirit Plastic Container Regulations 1982.** Colour coded for use with different fuel types.

| Colour | Weight each | Order Code KEN-503 |
|---|---|---|
| Red | 630g | -9010K |
| Green | 630g | -9020K |
| Black | 630g | -9030K |

## KENNEDY® Steel Jerry Cans

Manufactured from 16 swg steel. Suitable for storing petrol. Suitable for storing and transportation of diesel, paraffin and motor oil. With lever type safety sealing cap and integral carrying handle. Painted outside and phosphated internally. **UN Approved, Class 3.**

*Plastic nozzle

| Capacity | Order Code KEN-503 |
|---|---|
| 5ltr | -9230K |
| 10ltr | -9240K |
| 20ltr | -9250K |
| **Spouts For Jerry Cans** | |
| 5, 10 & 20ltr* | -9300K |
| 20ltr | -9320K |

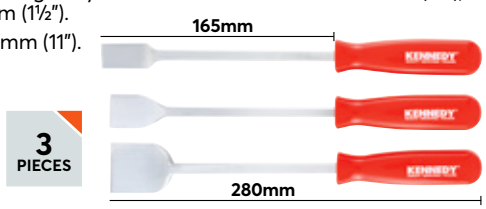
## KENNEDY® Non-Approved Fuel Container

Durable polyethylene containers. Diesel, petrol, chemical and oil resistant. Integral rigid dispensing spout.

| Capacity | Weight each | Order Code KEN-503 |
|---|---|---|
| 5ltr | 320g | -9100K |
| 10ltr | 500g | -9120K |
| 20ltr | 755g | -9140K |

## KENNEDY Gasket Scraper Set

**Long Handled Gasket Scraper Set**
For cleaning cylinder heads and removing old sealants and carbon build up. Hardened and tempered carbon steel shanks and heads are 'offset to edge' to allow easy scraping of flat surfaces. Simple 'firmer' style bevelled points with longer head lengths allow for scrapers to be re-ground several times for maximum service life. Impact resistant square section handle for secure grip even when greasy. Set includes blade widths: 19mm (¾"), 25mm (1") and 38mm (1½").
**Overall length:** 280mm (11").




| Weight each | Order Code KEN-503 |
|---|---|
| 530g | -1700K |

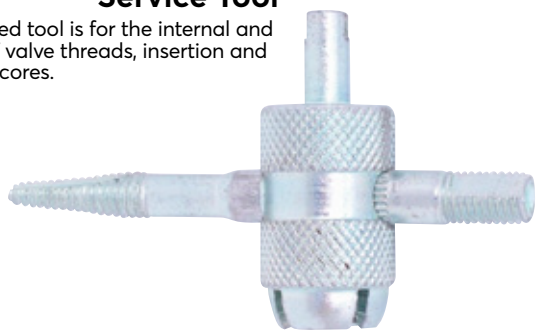
## KENNEDY Tyre Tread Depth Gauge

This handy sized tyre depth gauge is graduated in mm and 1/32", with a pen type pocket clip.

| Graduation | Weight each | Order Code KEN-503 |
|---|---|---|
| mm & 1/32" | 25g | -8450K |

## KENNEDY 4-Way Tyre Valve Service Tool

This case hardened tool is for the internal and external repair of valve threads, insertion and removal of valve cores.



| Order Code KEN-503 |
|---|
| -8500K |

## KENNEDY Portable Digital Car Tyre Inflator

- Compact design for easy storage in the trunk, glove box, or armrest
- Intelligent tyre pressure monitor with automatic shut-off for precise inflation
- Built-in LED light for enhanced visibility during emergencies or at night
- Suitable for inflating car, motorcycle, and bicycle tyres, as well as sports balls
- Includes versatile accessories to meet various inflation needs
- Offers multiple power options with Type-C charging, power bank functionality, and cigarette lighter compatibility

| Max. Pressure Reading | Order Code KEN-503 |
|---|---|
| 150psi | -2502K |

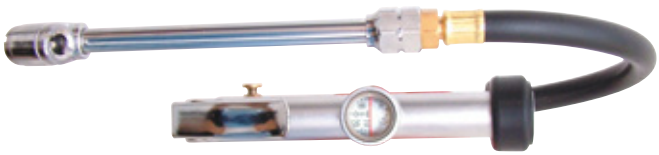
## KENNEDY Air Line Tyre Inflator

Push on type tyre inflator is robust and has a dial type pressure gauge reading up to a maximum of 170psi.
The pressure gauge is protected from accidental damage by a rubber shock guard.

| Max. Pressure Reading | Weight each | Order Code KEN-503 |
|---|---|---|
| 170psi | 720g | -8480K |

## KENNEDY Heavy Duty Air Line Tyre Inflator with Gauge

A heavy duty push on inflator of rugged construction and with a clear view integral pressure gauge.



| Min - Max Pressure Reading | Weight each | Order Code KEN-503 |
|---|---|---|
| 10 - 120psi | 635g | -8520K |

## KENNEDY Pencil Type Tyre Pressure Gauge

Suitable for cars, vans and light commercials, where readings of up to 120psi are necessary. Chrome plated brass construction with a pen type pocket clip.

| Max. Pressure Reading | Weight each | Order Code KEN-503 |
|---|---|---|
| 120psi | 43g | -8460K |

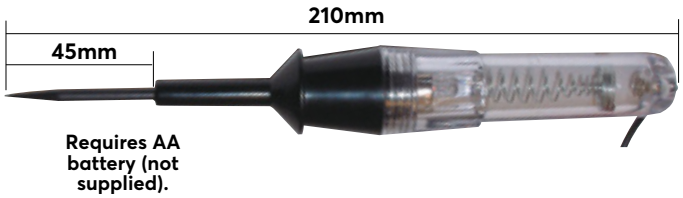
## KENNEDY Dial Type Tyre Pressure Gauges

This push-on type pressure gauge is graduated in psi and bar up to a maximum of 64psi (4.5bar). The reading is held until the release button is pressed.

| Max. Pressure Reading | Weight each | Order Code KEN-503 |
|---|---|---|
| 64psi | 125g | -8440K |

## KENNEDY Circuit Continuity Tester

For testing circuit continuity on non-live systems.
Locates broken circuits in fuses, switches, sockets and wires.
1m lead. Super sharp tempered steel probe to test through wire insulation.

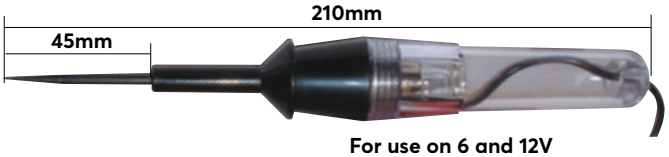



**Requires AA battery (not supplied).**

| Model Number | Weight each | Order Code KEN-503 |
|---|---|---|
| CCT001 | 90g | **-1000K** |

## KENNEDY Standard Circuit Tester

Suitable for use with power on. For 6 and 12V automotive systems only. Locates shorts, earth and open circuits. 1m lead.
Super sharp tempered steel probe to test through wire insulation.
**Probe length:** 45mm.




**For use on 6 and 12V**

| Model Number | Weight each | Order Code KEN-503 |
|---|---|---|
| SCT012 | 80g | **-1020K** |

## KENNEDY Standard Automotive Fuse Set

An assortment of standard automotive bladed fuses supplied in transparent storage box. Colour coded transparent fuse bodies.
Rated to 32V.

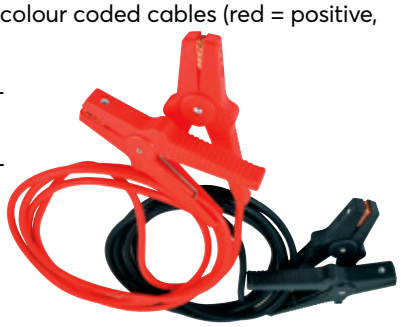
**Fuse material:** zinc.
**Plug-in fuse type:** 3A, 5A, 7.5A, 15A, 20A, 30A (15 of each).
**Plug-in fuse type:** 10A (30pcs).

120 PIECES

| Order Code KEN-503 |
|---|
| **-9900K** |

## KENNEDY Booster Cables

- Copper coated aluminium colour coded cables (red = positive, black = negative)
- Fully insulated clamps
- 400A: For use on up to 2.5L petrol and 1.5L diesel vehicles
- 500A: For use on up to 5.5L petrol and 3.0L diesel vehicles



| Model Number | Cable Length | Amp Rating | Core | Order Code KEN-503 |
|---|---|---|---|---|
| KBC 400 | 3.5m | 400 | 16mm² | **-5360K** |
| KBC 500 | 4.5m | 500 | 25mm² | **-5370K** |

## KENNEDY Commercial Duty Circuit Tester

Suitable for use with power on. For 6, 12 and 24V automotive systems only. Locates shorts, earths and open circuits.
1.4m heavy duty lead with spring strain relief.
Super sharp stainless steel probe to test through wire insulation.
**Probe Length:** 100mm.

| Model Number | Weight each | Order Code KEN-503 |
|---|---|---|
| CDT024 | 215g | **-1060K** |

## KENNEDY Quick Splice Set

For fast, simple and strong splicing of automotive electrical wires. Easy-to-use, no wire strippers or crimper required.

**Maximum electrical rating:** 600V.
**Maximum temperature:** 105°C.
**Terminal material:** brass.
**Plating:** tin insulation.
**Material:** PP.
**Red:** 0.5mm² x 1.0mm² (25pcs).
**Blue:** 1.5mm² x 2.5mm² (25pcs).

50 PIECES

| Order Code KEN-503 |
|---|
| **-9930K** |

## KENNEDY Battery Fluid Tester

Tests 6, 12 and 24V batteries. Tough glass tube construction with colour coded float for easy reading which indicates the state of charge in each cell.

| Scale Range | Order Code KEN-503 |
|---|---|
| 1.1-1.3 | **-1120K** |

## KENNEDY Battery & Alternator Tester

Indicates condition of battery and the output of an alternator. For automotive use on 12V DC systems only. Magnetic back.

| Test Voltage | Cable Length | Order Code KEN-503 |
|---|---|---|
| 12V | 0.8m | **-1080K** |

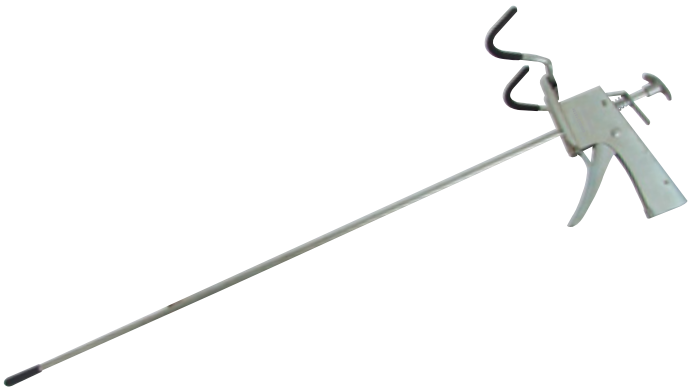
## KENNEDY® Brake Caliper Spreader

Retracting brake caliper pistons can be used with ½" square drive ratchet and 21mm hex wrench or spanner and is suitable for use on most cars and motorcycles. Constructed from hardened steel with phosphate finished spreader plates for corrosion protection.

| Product Number | Weight each | Order Code KEN-503 |
|---|---|---|
| BCS065 | 830g | -1900K |

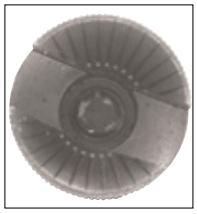
## KENNEDY® Brake Pedal Depressor

Ingenious tool for depressing and holding down the brake pedal whilst carrying out maintenance.



| Order Code KEN-503 |
|---|
| -1910K |

## KENNEDY® Brake Spring Cup Washer Tool



Removes and replaces T-slot anti-rattle spring washers found in drum brake assemblies. Hardened and tempered carbon steel shank and cup with oxidised finish for protection against corrosion, bevelled and notched cup fits 16 - 22mm (⅝" - ⅞") diameter. Impact resistant square section handle for secure grip even when greasy. Overall Length: 152mm (6").

| Product Number | Weight each | Order Code KEN-503 |
|---|---|---|
| BST122 | 110g | -4940K |

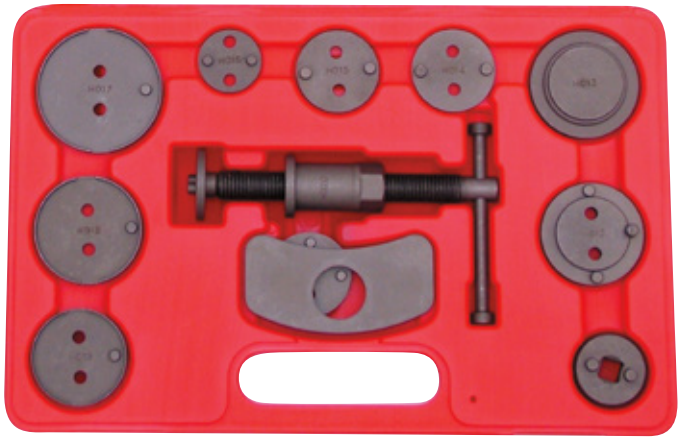
## KENNEDY® Brake Pad Key

8mm hexagon key. 140mm handle for optimum leverage and grip. Suitable for disc brake caliper retaining bolts on many modern cars. Manufactured from chrome vanadium steel with corrosion resistant phosphated finish.

| Size | Weight each | Order Code KEN-503 |
|---|---|---|
| 8mm Hex | 245g | -2880K |

## KENNEDY® Universal Caliper Wind-Back Tool Kits

Winds back disc brake calipers when replacing brake pads. Professional quality, allows the easy return of brake piston into the caliper. Suitable for most braking systems. Includes left and right handed thrust bolt assemblies, reaction plate and adaptors. Both kits supplied in carry cases.



| Number of Pieces | Order Code KEN-503 |
|---|---|
| 12 | -2770K |

## KENNEDY® Vacuum Testing & Brake Bleeding Kit

Vacuum testing kit that helps to locate and identify faults on cars, motorcycles and commercial vehicles. Supplied in robust blow moulded case.

**Contents:** serviceable metal bodied vacuum pump, reservoir jar, transfer lid, storage lid, 4x lengths of 6mm ID tubing, 1x length of 4mm ID tubing adaptor. Set of brake bleeding adaptors, rubber cup adaptor.
**Maximum vacuum:** 550mm Hg.
**Reservoir capacity:** 150ml.

| Order Code KEN-503 |
|---|
| -2720K |

## KENNEDY® Angled Flat Band Hose Clamp Pliers

Removes and installs flat band hose clamps. Swivel tips to grip at any angle. Locking handle allows user to maintain 'open' position and hold clamp in place.

| Overall Length | Weight each | Order Code KEN-503 |
|---|---|---|
| 215mm | 200g | -1960K |

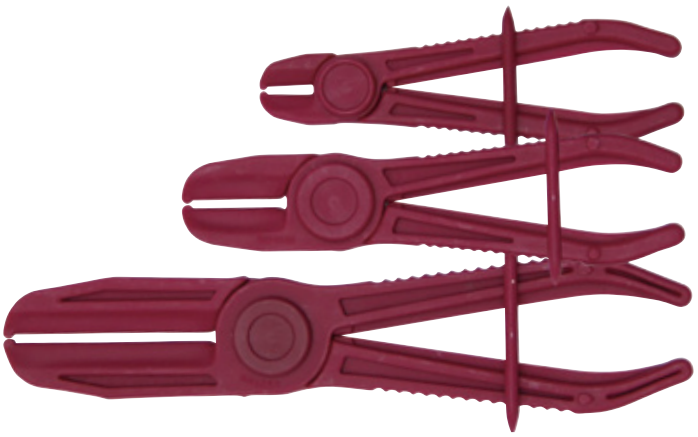
## KENNEDY® Heavy Duty Hose Clip Pliers - Clic Compatible

With steel jaws and PVC coated handles. These spring loaded dual purpose pliers are designed for fitting and removing Clic and Clic-R® hose clips.

| Overall Length | Weight each | Order Code KEN-503 |
|---|---|---|
| 260mm | 230g | -4810K |

## KENNEDY® Hose Pinch Clamp Set

**HPS003**
These professional tools are for clamping flexible hoses from 11mm to 60mm in diameter. Made from a composite of glass reinforced nylon, they are lightweight, tough and have smooth rounded jaws to prevent damage to internal reinforcement.



120 PIECES

| Hose Range | Weight each | Order Code KEN-503 |
|---|---|---|
| 11-60mm | 330g | -1940K |

## KENNEDY® Remote Hose Clamp Pliers

For the removal and replacement of fuel, oil and water hoses. Flexible 530mm long reach ratchet mechanism allows the pliers to release and lock hose clamps in the opened position. Supplied with cable clamping nipple for use when replacing the cable.

| Capacity | Weight each | Order Code KEN-503 |
|---|---|---|
| 55mm | 575g | -1970K |

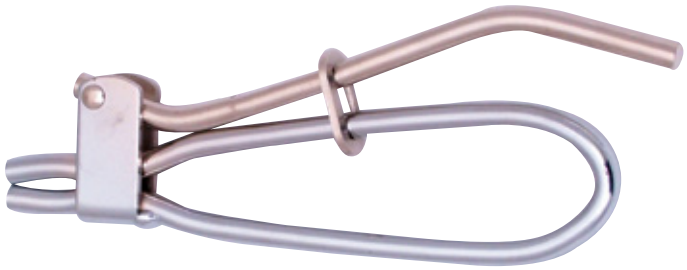
## KENNEDY® Extra Heavy Duty Ear Type Clip Pliers

These pliers have steel jaws, PVC coated handles and a ½" sq for use with torque wrenches and bar breakers. Suitable for all ear type CVJ boot clips.

| Product Number | Order Code KEN-503 |
|---|---|
| AT4185 | -4820K |

## KENNEDY® Spring Type Hose Pinch Tool

For clamping flexible brake lines, fuel lines, vacuum hose and other fluid lines up to 12mm diameter. Allows servicing to be carried out without the need for system draining. Sliding lock collar allows hoses to be fully or partly closed. Smooth rounded jaw edges avoid damage to hoses. All steel construction with corrosion-resistant chrome finish.



| Maximum Diameter | Weight each | Order Code KEN-503 |
|---|---|---|
| 12mm | 160g | -2840K |

## KENNEDY® Ratcheting Hose Pinch Pliers

For clamping flexible brake lines, fuel lines, vacuum hose and other fluid lines. Heavy duty serrated jaw edges provide excellent clamping whilst avoiding damage to hoses. Jaws pivot and self-level to ensure parallel clamping. Fine-adjusting ratchet action allows hoses to be fully or partly closed. Cocking mechanism holds pivot jaws firmly in position. All steel construction with corrosion-resistant finish.

| Overall Length | Weight each | Order Code KEN-503 |
|---|---|---|
| 250mm | 435g | -2860K |

## KENNEDY® Cleaning & Decarbonising Brush Set

**20-Piece**
This cleaning brush set is very versatile in use as it comes with three different material bristles and can be used either manually or with a power drill.

**Contents:**
Quick release screwdriver, quick release extension bar,
9, 11, 13, 15, 17 & 19mm Ø Brass Brushes,
9, 11, 13, 15, 17 & 19mm Ø Steel Brushes,
9, 11, 13, 15, 17 & 19mm Ø Nylon Brushes.

20 PIECES

| Order Code KEN-503 |
|---|
| -4990K |

## KENNEDY® Standard Length Gasket Scraper Set

Rigid carbon scrapers ideal for cleaning cylinder heads, removing old sealants, carbon build up and a variety of general multi-purpose automotive applications.

**Set includes blade lengths:**
205 x 13mm (8" x ½"),
205 x 25mm (8" x 1"),
93 x 25mm (3½" x 1"),
97 x 15mm (3¾" x ⅝").

4 PIECES

| Weight each | Order Code KEN-503 |
|---|---|
| 1.10kg | -1980K |

## KENNEDY Pro™ Professional Glow Plug Connector Pliers

Suitable for the removal of hard to reach glow plug connectors found on the latest generation of engines. Made from chrome vanadium steel. Composite handle provides added comfort and control.
**Blade length:** 125mm.

Straight

Angled

| Jaw Type | Order Code KEN-503 |
|---|---|
| Straight | -1240K |
| Angled | -1260K |

## KENNEDY® Spark Plug Hole Thread Chaser

Double ended for 14mm and 18mm plug hole threads. Cleans corrosion and carbon build-up from female spark plug threads and sensor sockets. Repairs minor cross threading damage. Use with 21mm deep socket.

| Order Code KEN-503 |
|---|
| -2750K |

## KENNEDY® Oxygen 'EGO', 'O2', 'Lambda' Sensor Socket Set

Three piece universal set. Essential for servicing today's computer-controlled vehicle systems. Easily removes exhaust gas oxygen sensors (known as 'EGO', 'O2' or 'Lambda' sensors), vacuum switches and pressure switches. Also suitable for diesel injectors found on Mitsubishi, Nissan, Opel, Vauxhall and VW vehicles. Made from heat treated cast steel.

**Set contains:**
22mm (⅞") hex, ½" square drive socket with 7.5mm side slot for sensor wire clearance. Socket has 22mm hex for use with a spanner.

**Overall length:** 80mm.
22mm (⅞") hex, crow's foot style wrench, ½" square drive (double square for easy access). With full length 11mm slot for total clearance of switch/sensor wire. 22mm (⅞") hex, crow's foot style wrench, ⅜" square drive. With full length 8.6mm slot for total clearance of switch/sensor wire.

3 PIECES

| Order Code KEN-503 |
|---|
| -8020K |

## KENNEDY® Anti-Freeze Tester

Suitable for use with Ethylene Glycol or Methanol type anti-freezes. Shows lowest temperature at which the cooling system is protected against freezing. Tough glass tube construction with an easy to read scale. For use on hot or cold engines.

| Model Number | Weight each | Order Code KEN-503 |
|---|---|---|
| AFT001 | 140g | -1100K |

## KENNEDY® Seal Puller Tool

Two size tips allow you to remove oil or grease seals from virtually anything including wheel bearings, transmission housings, etc. Hardened and tempered carbon steel shank and head with oxidised finish tips, chrome plated shank for protection against corrosion. Impact resistant square section handle for secure grip even when greasy.

**Overall length:** 310mm (12¼").

| Model Number | Weight each | Order Code KEN-503 |
|---|---|---|
| SPT312 | 365g | -2900K |

## KENNEDY® Diesel Injector Seat Cutter Set

Specifically designed for the cleaning and recutting of injector seats. For use with Bosch, Delphi, Iveco, Fiat and other universal applications.

**Includes:** five cutting reamers, pilot post, T-bar and a hexagon key.

8 PIECES

| Order Code KEN-503 |
|---|
| -1830K |

## KENNEDY® Exhaust Doughnut Puller

To enable fast Installation or removal of rubber anti-vibration mounting rings found on modern exhaust systems. Puller has offset hook for easier application and dipped vinyl handle for added comfort and extra grip. Manufactured from hardened steel.

**Length:** 290mm.

| Product Number | Weight each | Order Code KEN-503 |
|---|---|---|
| EPD290 | 225g | -1600K |

## KENNEDY® Oxygen Sensor Socket

½" square drive. 22mm hex. x 90mm length. Cutaway section allows socket to pass over wiring.

| Order Code KEN-503 |
|---|
| -2760K |

# COLD CHISELS & PRY BARS

## KENNEDY Cold Chisels - Chrome Vanadium

Manufactured from high quality octagonal chrome vanadium steel with a ground cutting edge. For use on brickwork, masonry and cold metals. Manufactured to **ASME B107.47M-1998.**

**Flat**
Used for cutting and chipping cold metals and brickwork.

**Flat Chisel Set**

| Number of Pieces | Contents (mm) | Order Code KEN-505 |
|---|---|---|
| 3 | 6 x 150<br>12 x 200<br>18 x 255 | **-7150K** |
| 3 | 12 x 150<br>18 x 200<br>25 x 255 | **-7160K** |

**Brick Bolster - Chrome Vanadium**
Used for splitting bricks.

| Width x Length (mm) | Octagon (mm) | Order Code KEN-505 |
|---|---|---|
| 75 x 240 | 22 | **-7030K** |
| 100 x 240 | 22 | **-7040K** |

**Flooring - Chrome Vanadium**
Used for prising floorboards and cutting part of the board prior to lifting.

| Width x Length (mm) | Octagon (mm) | Order Code KEN-505 |
|---|---|---|
| 56 x 230 | 16 | **-7120K** |

## KENNEDY Protector Sleeves

Contoured high impact resistant plastic grips redirects the force of miss-hits safely away from your hands preventing injury. Suitable for use with octagonal cold chisels.

| To Suit Octagon Size | Length (mm) | Order Code KEN-505 |
|---|---|---|
| 13mm | 120 | **-9040K** |
| 16mm | 120 | **-9050K** |
| 19mm | 120 | **-9060K** |
| 22mm | 120 | **-9070K** |

| Width x Length (mm) | Octagon (mm) | Order Code KEN-505 |
|---|---|---|
| 6 x 100 | 6 | **-1600K** |
| 6 x 150 | 6 | **-1620K** |
| 9 x 125 | 9 | **-2410K** |
| 9 x 150 | 9 | **-2460K** |
| 12 x 150 | 9 | **-3220K** |
| 12 x 200 | 9 | **-3240K** |
| 12 x 255 | 9 | **-3260K** |
| 12 x 305 | 9 | **-3280K** |
| 16 x 150 | 12 | **-4020K** |
| 16 x 200 | 12 | **-4040K** |
| 18 x 200 | 16 | **-4840K** |
| 18 x 230 | 16 | **-4850K** |
| 18 x 255 | 16 | **-4860K** |
| 18 x 305 | 16 | **-4870K** |
| 18 x 455 | 16 | **-4890K** |
| 25 x 200 | 22 | **-6440K** |
| 25 x 230 | 22 | **-6450K** |
| 25 x 255 | 22 | **-6460K** |
| 25 x 305 | 22 | **-6470K** |
| 25 x 355 | 22 | **-6480K** |
| 25 x 455 | 22 | **-6490K** |

**Half Round - Chrome Vanadium**
Used for channelling concrete floors.

| Width x Length (mm) | Octagon (mm) | Order Code KEN-505 |
|---|---|---|
| 6 x 150 | 12 | **-6620K** |
| 18 x 200 | 18 | **-6640K** |

**Cross Cut - Chrome Vanadium**
Used for channelling brickwork.

| Width x Length (mm) | Octagon (mm) | Order Code KEN-505 |
|---|---|---|
| 6 x 150 | 12 | **-6720K** |
| 9 x 200 | 18 | **-6740K** |

**Diamond Point - Chrome Vanadium**
Used for channelling brickwork.

| Width x Length (mm) | Octagon (mm) | Order Code KEN-505 |
|---|---|---|
| 8 x 200 | 18 | **-6840K** |

**Plugging - Chrome Vanadium**
For removing cement mortar from between bricks.

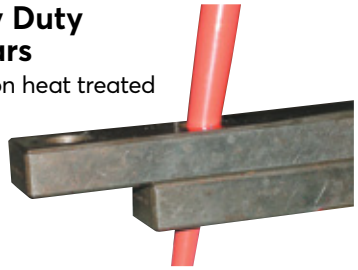
| Width x Length (mm) | Octagon (mm) | Order Code KEN-505 |
|---|---|---|
| 5 x 255 | 16 | **-7100K** |

# COLD CHISELS & PRY BARS

## KENNEDY® Heavy Duty Pry Bars

Manufactured from forged carbon heat treated steel with ground points. These traditional designs are ideal for use by tradesmen in any industrial environment.

**Rolling Head**
Suitable for use in confined spaces.



| Length x Width | Order Code KEN-505 |
|---|---|
| 150 x 10mm | -8400K |
| 300 x 13mm | -8420K |
| 450 x 16mm | -8440K |

**Line Type**
Angled blade provides greater leverage.

| Length x Section | Order Code KEN-505 |
|---|---|
| 400 x 16mm | -8520K |
| 600 x 20mm | -8560K |

**Rolling Head Set**

3 PIECES

| Contents | Order Code KEN-505 |
|---|---|
| 150mm Rolling head<br>300mm Rolling head<br>450mm Rolling head | -8780K |

**Line Type Set**

2 PIECES

| Contents | Order Code KEN-505 |
|---|---|
| 400mm Line Type<br>600mm Line Type | -8770K |

## YAMOTO Chisel & Punch Set

**Chrome Vanadium Steel**
**Contents:**
**Pin punches:** 3/16" x 6", 3/32" x 4 1/4", 1/8" x 4 3/4", 3/16" x 5 1/4" and 1/4" x 5 3/4".
**Centre punches:** 5/32" x 5".
**Chisels:** 1/2" x 6", 5/8" x 6 1/2", 3/4" x 7 1/2" and 7/8" x 8".
**Taper punches:** 3/16" x 10", 7/32" x 10", 5/16" x 10" and 3/8" x 10".

14 PIECES

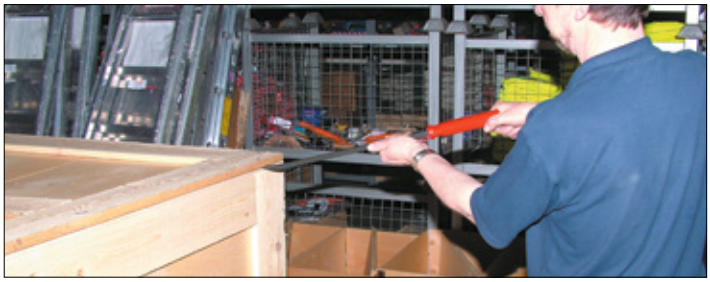
Order Code **YMT-505**

**-9010K**

## KENNEDY® Plastic Handled Pry Bars

Made from square section chrome vanadium with ground points. Impact resistant plastic handles offer a more comfortable and secure grip to make these pry bars user friendly. Handles are oil and acid resistant.
Suitable for a wide range of general duty applications within the packing, automotive, maintenance and assembly industries.

**Straight Blade**
For general duty usage.



| Blade Length x Width | Order Code KEN-505 |
|---|---|
| 300 x 10mm | -8300K |
| 450 x 13mm | -8320K |

**Curved Blade**
The curved blade provides greater leverage.

| Blade Length x Width | Order Code KEN-505 |
|---|---|
| 300 x 10mm | -8340K |
| 450 x 13mm | -8360K |
| 600 x 13mm | -8380K |

**Sets**

| Number of Pieces | Contents | Order Code KEN-505 |
|---|---|---|
| 3 | 300mm Straight<br>300mm Curved<br>450mm Curved | -8330K |

## KENNEDY® Spot Weld Chisel & Bar

The Right Angled Rascal Bar with three sharpened edges is designed to allow two-directional hammer use on quarter panels, rockers and any other pinchweld. The sharp end allows for penetration between the panels and the two lower edges allows for side impact to drive the panels apart. The chisel tip can be used for starting seam separation.

**Features & benefits**
- Easily separates hard-to-reach spot welded or bonded panels.
- 90° end for use in hard-to-reach pinchweld areas.
- Made from a super tough alloy steel.
- Will save the technician up to 15 minutes per panel replacement.

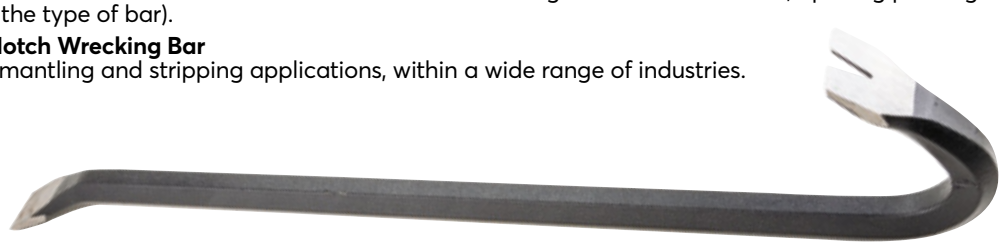
Order Code **KEN-505**

**-1200K**

## KENNEDY® Wrecking & Pry Bars

Manufactured from heat treated carbon steel. Ideal for dismantling timber constructions, opening packing cases and removing nails (depending on the type of bar).

**Chisel and V-Notch Wrecking Bar**
For general dismantling and stripping applications, within a wide range of industries.



| Length | Order Code KEN-505 |
|---|---|
| 450mm | -7180K |
| 600mm | -7240K |
| 750mm | -7300K |

**Chisel and Point Crowbar** For heavy duty work.

| Length x Width | Order Code KEN-505 |
|---|---|
| 900 x 38mm | -7360K |
| 1200 x 42mm | -7480K |
| 1500 x 42mm | -7600K |

**Heel and Point Crowbar** For heavy duty dismantling.

| Length x Width | Order Code KEN-505 |
|---|---|
| 900 x 38mm | -7690K |
| 1180 x 42mm | -7720K |
| 1500 x 45mm | -7750K |

**Super Lever Pry Bars** Multi purpose. Can be used as a nail lifter, pry bar, adze or lever.

| Length x Width | Order Code KEN-505 |
|---|---|
| 325 x 33mm | -8200K |
| 375 x 33mm | -8250K |

# COLD CHISELS

## SITESAFE Contractor Flat Cold Chisels

Manufactured from high quality octagonal chrome vanadium steel with a ground cutting edge, in accordance with **BS 3066**. For use on brickwork, masonry and cold metals.

| Width x Length (mm) | Octagon (mm) | Order Code SSF-505 |
|---|---|---|
| 12 x 200 | 11 | -1060K |
| 12 x 200 c/w guard | | -1070K |
| 18 x 200 | 16 | -1100K |
| 18 x 200 c/w guard | | -1110K |
| 18 x 255 | 16 | -1120K |
| 18 x 255 c/w guard | | -1130K |
| 25 x 200 | 22 | -1160K |
| 25 x 200 c/w guard | | -1170K |
| 25 x 255 | 22 | -1180K |
| 25 x 255 c/w guard | | -1190K |
| 25 x 305 | 22 | -1200K |
| 25 x 305 c/w guard | | -1210K |

## SITESAFE Contractor Electrician's Floor Chisels

Chrome vanadium - hardened and tempered cutting edge. For cutting the tongue in tongued and grooved floorboards.

| Width x Length (mm) | Octagon (mm) | Order Code SSF-505 |
|---|---|---|
| 55 x 230 | 16 | -1360K |
| 55 x 230 c/w guard | | -1370K |

## SITESAFE Contractor Cross Cut Chisel

Chrome vanadium - used for channelling brickwork.

| Width x Length (mm) | Octagon (mm) | Order Code SSF-505 |
|---|---|---|
| 6 x 150 | 12 | -1260K |

## SITESAFE Contractor Brick Bolster Chisels

Chrome vanadium - used for splitting bricks.

| Width x Length (mm) | Octagon (mm) | Order Code SSF-505 |
|---|---|---|
| 75 x 230 | 22 | -1300K |
| 75 x 230 c/w guard | | -1310K |
| 100 x 230 | 22 | -1320K |
| 100 x 230 c/w guard | | -1330K |

## KENNEDY Scutch Holders Carbon Steel

Used for chasing out and general masonry work.

| Width x Length (mm) | Octagon (mm) | Order Code KEN-505 |
|---|---|---|
| 38 x 200 | 18 | -6870K |

## KENNEDY® I-Beam Spirit Levels

Lightweight aluminium body with powder coat finish. 1 horizontal, 2 plumb vials. Shock absorbing end caps. Milled working faces for precise measurement. Beam structure makes it strong and durable.
Rule scale for ease of marking out.

**Accuracy:** 1.0mm/m

| Length (mm) | Number of Vials | Order Code KEN-510 |
|---|---|---|
| 300 (12") | 3 | **-3620K** |
| 400 (16") | 3 | **-3660K** |
| 600 (24") | 3 | **-3740K** |
| 900 (36") | 3 | **-3860K** |
| 1000 (40") | 3 | **-3900K** |
| 12600 (48") | 3 | **-3980K** |

## KENNEDY® Box Profile Spirit Levels

Lightweight aluminium body with powder coat finish. 1 horizontal, 2 plumb vials. Shock absorbing end caps.
Milled working faces for precise measurement.

**Accuracy:** 0.75mm/m

| Length (mm) | Number of Vials | Order Code KEN-510 |
|---|---|---|
| 600 (24") | 3 | **-4240K** |
| 900 (36") | 3 | **-4360K** |
| 1000 (40") | 3 | **-4400K** |
| 1200 (48") | 3 | **-4480K** |
| 15000 (60") | 3 | **-4600K** |

## KENNEDY Pro™ Box Section Spirit Levels

Extruded aluminium body. Powder coated finish. Three high visibility vials: horizontal, plumb and 45°. Two rubberised handle grips and two milled working faces.

**Accuracy:** 0.5mm/m.

| Length (mm) | Number of Vials | Order Code KEN-510 |
|---|---|---|
| 300 (12") | 3 | **-3300K** |
| 600 (24") | 3 | **-3360K** |
| 800 (32") | 3 | **-3380K** |
| 1000 (40") | 3 | **-3400K** |
| 1200 (48") | 3 | **-3420K** |
| 1800 (72") | 3 | **-3480K** |

## SENATOR QUALITY TOOLING® ABS Plastic Girder Section Level

Manufactured from impact resistant ABS plastic. Three vials horizontal, vertical and 45°. Metric and Inch graduated face.

**Accuracy**: 1mm/1000mm.

| Length (mm) | Number of Vials | Weight each | Order Code SEN-510 |
|---|---|---|---|
| 610 (24") | 3 | 290g | **-2240K** |

## SENATOR QUALITY TOOLING® Torpedo Level

With magnetic base. Made from impact resistant ABS plastic. Three vials horizontal, vertical and 45°.

**Accuracy:** ±1.0mm/m.

| Length | Weight each | Order Code SEN-510 |
|---|---|---|
| 230 (9") | 140g | **-2090K** |

# SPIRIT LEVELS

## KENNEDY® Boat Levels

**Construction Boat Level**
Die-cast aluminium frame with a milled measuring face for accuracy. 1 vertical, 1 horizontal vial for normal and upside down measuring. A very popular level with scaffolders. Includes leather belt pouch.

**Accuracy:** 1.0mm/m.

| Base Type | Length (mm) | Weight each | Order Code **KEN-510** |
|---|---|---|---|
| Non-magnetic | 250 (10") | 185g | **-0100K** |
| Magnetic | 250 (10") | 185g | **-0160K** |

## KENNEDY® Magnetic Post Levels

Made from hard wearing plastic this special level designed to ensure both square and round posts are upright prior to permanent fixing. The right angle plate has two horizontal vials and one vertical vial with flush magnets for metal posts and an integrated elastic fixing strap for other materials.

**Accuracy**: ±1.0mm/m.

| Overall Size | Weight each | Order Code **KEN-510** |
|---|---|---|
| 80 x 123mm | 87g | **-2800K** |

## KENNEDY® Magnetic Spirit Levels

- Vials with high visibility in horizontal, vertical, and 45° positions for precise measurements
- Provides an accuracy of 0.5 mm/m for reliable levelling
- Constructed from robust light alloy for durability
- Shock-resistant rubber end caps help protect against damage
- Magnetic underside offers hands-free use on metal surfaces
- Electrostatic powder-coated finish for easy maintenance
- CNC Fine Milled

| Length (mm) | Order Code **KEN-510** |
|---|---|
| 600 | **-5408N** |
| 800 | **-5408P** |

From start to finish

Your No. 1 choice for abrasive supplies

A comprehensive range of abrasive products – all backed with expert knowledge and support.

Visit our website to find out more

Keeping Industry Working™

## KENNEDY Pro™ Plasterer's Bath

Manufactured from polyethylene, unbreakable. Guaranteed not to rot, rust, crack or distort. Strong, light and easily carried.



| Capacity | Order Code KEN-512 |
|---|---|
| 165ltr | -3000K |

## SITESAFE Builder's Flexible Bucket

Extremely versatile and virtually indestructible. it can be used for mixing plaster or cement, moving rubble and various other jobs around a building site.

| Size | Order Code SSF-512 |
|---|---|
| **Yellow Buckets** | |
| 26ltr | -2980K |
| 40ltr | -3000K |
| 75ltr | -3040K |
| **Blue Buckets** | |
| 26ltr | -3080K |
| 42ltr | -3100K |

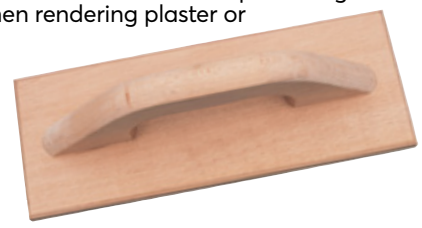
## KENNEDY® Adhesive Trowel

High quality moulded and contoured handle. Large base with two coarse pitched edges and two fine pitched edges. Suitable for use with all tile and carpet adhesives.

| Size | Weight per 10 | Order Code KEN-512 |
|---|---|---|
| 270 x 110mm | 190g | -0400K |

## KENNEDY® Wooden Skimming Float

Manufactured from selected timber. Ideal for producing a sandy surface finish when rendering plaster or concrete.



| Size | Weight per 10 | Order Code KEN-512 |
|---|---|---|
| 290 x 100mm | 190g | -0950K |

## KENNEDY Pro™ Paint & Plaster Mixer

Used for mixing plaster, concrete, filler, epoxy resin, emulsion paint and wallpaper paste.
The stirring end should be fully immersed before the shaft is turned.

**Light duty shaft:** 8mm hex.
**Overall length:** 400mm.
**Heavy duty shaft:** 12mm hex.
**Overall length:** 600mm.

| Shaft | Weight per 10 | Order Code KEN-512 |
|---|---|---|
| Light Duty | 680g | -2780K |
| Heavy Duty | 860g | -2800K |

## KENNEDY Pro™ Plasterer's Trowel

Aluminium shank single tang banana pattern. Six rivet construction 'cross ground' to prevent drag. For laying on and finishing plaster. Manufactured to the high standards expected by today's trade.

| Size | Weight per 10 | Order Code KEN-512 |
|---|---|---|
| 280mm (11") | 4.00kg | -0100K |

## SENATOR QUALITY TOOLING Plasterer's Trowel

**Economy**

Single tang, banana shaped handle with six concealed welded rivets to securely fix 'cross ground', hardened and tempered blade.

| Size | Weight per 10 | Order Code SEN-512 |
|---|---|---|
| 280mm (11") | 4.60kg | -0100K |

# BRICK TOOLS

## SENATOR QUALITY TOOLING Broad Heel Brick Trowel, 12in.

- Varnished hardwood handle
- Carbon steel blade provides unrivaled strength and durability
- Clean the trowel with water and thoroughly dry off after use
- Lightly oil the blade before storing in a cool dry location

| Overall Length | Order Code SEN-512 |
|---|---|
| 300mm | -0065R |

## SENATOR QUALITY TOOLING Pointing Trowel

Ground polished, hardened and tempered high carbon steel alloy blade, high angle handle. Chromed ferrule holds the forged tang firmly. London pattern, a smooth rounded end wooden handle with integral tang.

| Overall Length | Width | Order Code SEN-512 |
|---|---|---|
| 150mm (6") | 75mm | -0020K |

## SENATOR QUALITY TOOLING Gauging Trowel

London pattern, a smooth rounded end wooden handle with integral tang.

| Overall Length | Width (mm) | Order Code SEN-512 |
|---|---|---|
| 180mm (7") | 90 | -0040K |

## KENNEDY Plumb Bobs

Corrosive resistant epoxy coated with brass screw cap. For establishing vertical datum line without the use of a level.

| Weight each | Order Code KEN-512 |
|---|---|
| 5oz | -2050K |
| 10oz | -2100K |

## KENNEDY Pro London Pattern Brick Trowel

- Blade is manufactured from high carbon steel for ultimate durability
- Hardened and ground with a polished finish for highly accurate working
- Tapered blade is designed to remain rigid all the way to the tip for superb control
- Handle is constructed from wood, polished and varnished for bolstered user comfort and grip
- Chromed ferrule effectively holds the tang in place to prevent the blade from twisting

| Width | Overall Length | Order Code KEN-512 |
|---|---|---|
| 140mm | 254mm | -0060K |

## KENNEDY Double Ended Brick Jointer

Heavy duty steel. Used to produce ½" and ⅝" concave joints between bricks.

| Overall Length | Order Code KEN-512 |
|---|---|
| 580 | -0440K |

## KENNEDY Line Pins

Construction quality, hand, chrome plated line pins. Supplied in pairs.

| Size | Weight | Order Code KEN-512 |
|---|---|---|
| 150mm (6") | 140g | -2160K |

## KENNEDY Pro Professional Pointing Trowel

Made from high carbon tempered and hardened steel with a ground and polished finish. Tapered to remain rigid to the tip. Polished and varnished high angle handles for greater balance, control and knuckle clearance, with chromed ferrule. Holds the forged steel tang in place preventing the blade from twisting.

| Overall Length | Width | Order Code KEN-512 |
|---|---|---|
| 150mm (6") | 75mm | -0020K |

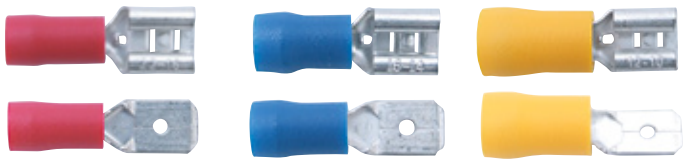
## KENNEDY Brick Jointer

Suitable for half round finishing of the joints between bricks. London pattern smooth wooden handle with integral tang.

| Size | Weight per 10 | Order Code KEN-512 |
|---|---|---|
| 150 x 12mm | 1.50kg | -0420K |

## KENNEDY® Standard Industrial Terminals

Durable low cost copper or brass connectors. Manufactured as single piece connectors. Electro tinned to protect from corrosion.
Insulated with flared entry, colour coded vinyl sleeves.
All disconnect terminals supplied with anti-vibration copper sleeve.
**Push-on Female and Male Tab Connector Terminals**
**Pack quantity:** 100.



| Type | Colour | Tab Size (mm) | Order Code KEN-515 |
|---|---|---|---|
| Push-on | Red | 6.3 x 0.8 | -3000K |
| | Blue | 6.3 x 0.8 | -3010K |
| | Yellow | 6.3 x 0.8 | -3020K |
| Tab | Red | 6.3 x 0.8 | -3700K |
| | Blue | 6.3 x 0.8 | -3710K |
| | Yellow | 6.3 x 0.8 | -3720K |

## KENNEDY® Push-on Fully Insulated Female Connector Terminals

**Pack quantity:** 100.

| Type (Female) | Colour | Tab Size (mm) | Order Code KEN-515 |
|---|---|---|---|
| Push-on | Red | 6.3 | -1520K |
| | Blue | 6.3 | -1500K |
| | Yellow | 6.3 | -1540K |

## KENNEDY® Push-on Piggy Back Terminals

**Pack quantity:** 100.

| Type (Female) | Colour | Tab Size (mm) | Order Code KEN-515 |
|---|---|---|---|
| Push-on | Red | 6.3 | -3730K |
| | Blue | 6.3 | -3740K |

## KENNEDY® Heat Shrink Tubing Kits

Suitable for connecting, end handling, electric wire insulating and harnessing, corrosion proofing metal rods and tubes, antenna protection. Made from halogen-free environmentally friendly polyolefin which is flame retardant and RoHS compliant. It's operating temperature is from 55°C to 125°C and shrinking starts at 70°C and becomes totally shrunk at 110°C. It's shrink ratio is 2:1 and has a maximum electrical rating of 600V. Assorted colours. For use with heat guns and gas torches.

-6800K

-6900K

-6910K

| Number of Pieces | Tube Dia. (mm) | Order Code KEN-515 |
|---|---|---|
| 32 | 4.8 (16), 6.4 (12), 9.5 (4) | -6800K |
| 171 | 2 - 18 (Assorted) | -6900K |
| 181 | 2 - 9 (Assorted) | -6910K |

## KENNEDY® Blade Connector Terminals

**Pack quantity:** 100.

| Type | Colour | Size (mm) Dia. x L | Order Code KEN-515 |
|---|---|---|---|
| Blade | Red | 2.3 x 10.4 | -2000K |
| | Red | 1.9 x 18.4 | -2010K |
| | Blue | 2.8 x 9.0 | -2050K |
| | Blue | 2.3 x 18.4 | -2060K |
| | Yellow | 2.8 x 10.0 | -2100K |

## KENNEDY® Fork and Ring Connector Terminals

**Pack quantity:** 100.

| Type | Colour | Tab Size (mm) | Order Code KEN-515 |
|---|---|---|---|
| Fork | Red | 3.2 | -2200K |
| | Red | 4.0 | -2220K |
| | Red | 5.0 | -2230K |
| | Red | 6.0 | -2240K |
| Fork | Blue | 3.2 | -2260K |
| | Blue | 4.0 | -2280K |
| | Blue | 5.0 | -2290K |
| | Blue | 6.0 | -2300K |
| Fork | Yellow | 3.0 | -2320K |
| | Yellow | 4.0 | -2330K |
| | Yellow | 5.0 | -2340K |
| | Yellow | 6.0 | -2350K |
| Ring | Red | 3.0 | -2400K |
| | Red | 4.0 | -2420K |
| | Red | 5.0 | -2430K |
| | Red | 6.0 | -2440K |
| | Red | 8.0 | -2450K |
| | Red | 10.0 | -2460K |
| Ring | Blue | 4.0 | -2520K |
| | Blue | 5.0 | -2530K |
| | Blue | 6.0 | -2540K |
| | Blue | 8.0 | -2550K |
| | Blue | 10.0 | -2560K |
| | Blue | 12.0 | -2570K |
| Ring | Yellow | 3.0 | -2600K |
| | Yellow | 4.0 | -2620K |
| | Yellow | 5.0 | -2630K |
| | Yellow | 6.0 | -2640K |
| | Yellow | 8.0 | -2650K |
| | Yellow | 10.0 | -2660K |
| | Yellow | 12.0 | -2670K |

## KENNEDY® Butt Connector Terminals

**Pack quantity:** 100.

| Type | Colour | Pack Quantity | Order Code KEN-515 |
|---|---|---|---|
| Butt | Red | 100 | -2900K |
| | Blue | 100 | -2910K |
| | Yellow | 100 | -2920K |

## KENNEDY® Female Socket and Male Bullet Connector Terminals

**Pack quantity:** 100.

| Type | Colour | Bullet Dia. (mm) | Order Code KEN-515 |
|---|---|---|---|
| Socket | Red | 4.0 | -3100K |
| | Blue | 4.0 | -3110K |
| | Blue | 5.0 | -3120K |
| | Yellow | 5.0 | -3130K |
| Bullet | Red | 4.0 | -3500K |
| | Blue | 4.0 | -3510K |
| | Blue | 5.0 | -3520K |
| | Yellow | 5.0 | -3530K |

## KENNEDY® Multi-Purpose Crimping Plier Kit

Made from heavy gauge carbon steel heat treated to HRa 65/70. Chemically blackened with cushion grip handles for operator comfort.
Kit comes complete with 100 assorted insulated and non-insulated terminals in a neat plastic see through box.

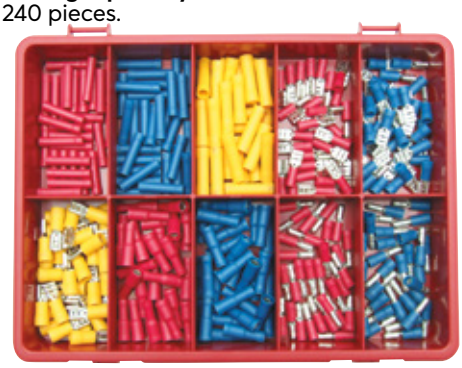
**Strip range**: 0.75 - 6.
**Crimp/cut capacity:** 1.5 - 16mm.

100 PIECES

| Description | Order Code KEN-515 |
|---|---|
| Plier only | -5050K |
| 100 Piece Kit | -5090K |

## KENNEDY® Terminals - Spades/ Bullets/Butt Connectors

**Contents:**
**Butt connectors:** red, blue and yellow.
**Spade connectors (push-on female):** 6.3mm - red, blue and yellow.
**Female bullet connectors:** 4mm - red, and blue.
**Male bullet connectors:** 4mm - red and blue.
**Average quantity:** 240 pieces.



| Average Quantity | Weight each | Order Code KEN-515 |
|---|---|---|
| 240 | 0.40kg | -5610K |

## KENNEDY® Terminals - Rings/Forks

Red ring 4BA, 2BA and 1/4. Blue ring 2BA, 1/4 and 5/16.
Yellow ring 1/4, 5/16 and 3/8. Spade blue, red and yellow.
**Average quantity:** 300 pieces.

| Average Quantity | Weight each | Order Code KEN-515 |
|---|---|---|
| 300 | 0.60kg | -5620K |

## KENNEDY® 5-Way Stripping & Crimping Kit

240mm heavy gauge hardened carbon steel wire crimper with anvil action cutters and PVC grip.

**Insulation terminals:** 1.5mm, (red), 2.5mm, (blue) and 6.0mm, (yellow).
**Wire cutters:** M2.6, M3.0, M3.5, M4.0 and M5.0mm.
**Non insulated terminals:** 1.5mm, 2.5mm, 4.0 - 6.0mm.
**Wire strippers:** 0.75, 1.0, 1.5, 2.5, 4.0 and 6.0mm.
**Kit Contents:** 40mm 5-Way Crimping Tool.
**Blade connectors:**
red - 2.3 x 10.4mm, blue - 2.8 x 9.0mm.
**Push-on spade connectors - male:**
red - 6.3 x 0.8mm, blue - 6.3 x 0.8mm.
**Push-on spade connectors - female:**
red - 6.3 x 0.8mm, blue - 6.3 x 0.8mm.
**Butt connectors:**
red - 0.5 x 1.5mm², blue - 1.5 x 2.5mm².
**Bullet connectors - male:**
red - 4.0mm², blue - 4.0mm².
**Bullet connectors - female:**
red - 4.0mm, blue - 4.0mm.
**Fork connectors:**
red - 4.0mm, blue - 4.0mm, yellow - 4.0mm.
**Ring connectors:**
red - 4.0mm, blue - 4.0mm, yellow - 6.0mm.

361 PIECES

| Pieces | Order Code KEN-515 |
|---|---|
| 361 | -5530K |

## KENNEDY® Heavy Duty Ratchet Crimping Tool Kit

Heavy duty 220mm ratchet crimper with a selection of pre-insulated red, blue and yellow electrical connector terminals, cable ties and insulation tape.
Ratchet crimper has laminated steel jaws with strengthened PVC handle grips.
Suitable for crimping insulated terminals as follows: red channel: 0.5 - 1.00mm, blue channel: 1.5 - 2.5mm, yellow channel: 4.0 - 6.0mm.
Supplied in a fitted case with slide locking clips and handle.

**Kit contents:** Heavy duty ratchet crimper, black insulation tape (19mm x 9m), black cable ties (2.5 x 100mm).
**Ring connectors:** red - 3.7, 4, 5mm, blue - 3.7, 4, 5, 6mm, yellow - 4, 5mm.
**Butt connectors:** red - 1.5 x 1.5mm², blue - 1.5 x 2.5mm².
**Push-on spade connectors - male**: red, blue, yellow - 6.3 x 0.8mm.
**Push-on spade connectors - female:** red, blue, yellow - 6.3 x 0.8mm.
**Push-on spade covered connectors - female:** red, blue - 6.3 x 0.8mm.
**Push-on piggy back connectors - female:** red, blue - 6.3 x 0.8mm.
**Bullet connectors - male:** red, blue - 4mm.
**Bullet connectors - female:** red, blue - 4mm.

552 PIECES

| Pieces | Order Code KEN-515 |
|---|---|
| 552 | -5540K |

## KENNEDY® Uninsulated Terminal Crimp Tool

Full cycle ratcheting crimp frame and adjustable crimp pressure.

- Carbon steel jaws with a chemically blacked finish
- PVC handles

**Tab width:** 6.3mm.
**Capacity:** 0.5 - 1.0, 1.0 - 2.5 and 4.0 - 6.0mm².

| Order Code KEN-515 |
|---|
| -5400K |

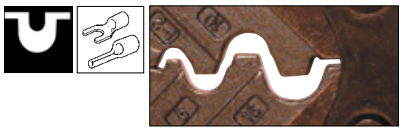
| Description | Order Code KEN-515 |
|---|---|
| Replacement Jaws | -6400K |

## KENNEDY® Uninsulated Terminal Crimp Tool

Full cycle ratcheting crimp frame and adjustable crimp pressure.

- Carbon steel jaws with a chemically blacked finish
- PVC handles

**Capacity:** DIN 1 - 2, 6, 10 and 16mm².
AWG 14, 10, 8 and 6.



| Order Code KEN-515 |
|---|
| -5420K |

| Description | Order Code KEN-515 |
|---|---|
| Replacement Jaws | -6420K |

## KENNEDY® Ferrule Crimp Tool

Full cycle ratcheting crimp frame and adjustable crimp pressure.

- Carbon steel jaws with a chemically blacked finish
- PVC handles.

**Model 5200K**
**Capacity:** 0.5, 0.75, 1.0, 1.5, 2.5 and 4mm².
AWG 20, 18, 17, 16, 13 and 11.

**Model 5210K**
**Capacity:** 6, 10 and 16mm².
AWG 10, 8 and 6.

| Capacity | Order Code KEN-515 |
|---|---|
| 0.5-4mm | -5200K |
| 6-16mm | -5210K |

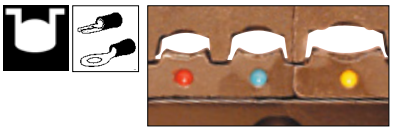
| Description | Order Code KEN-515 |
|---|---|
| Replacement Jaws (-5200K) | -6200K |
| Replacement Jaws (-5210K) | -6300K |

## KENNEDY® Insulated Terminal Crimp Tool

**Model 5220K**
Full cycle ratcheting crimp frame and colour coded jaws.

- Adjustable and preset crimp pressure
- Carbon steel, hardened and tempered jaws
- chemically blacked finish and PVC handles

**Capacity:**
Red: 0.5 - 1.5mm², AWG 20 - 16.
Blue: 2.5mm², AWG 14.
Yellow: 4.0 - 6.0mm², AWG 12 - 10.



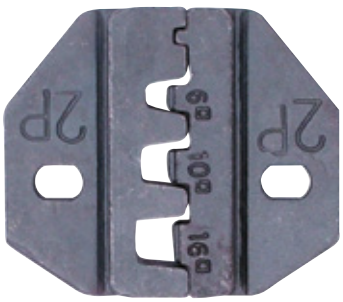
| Order Code KEN-515 |
|---|
| -5220K |

| Description | Order Code KEN-515 |
|---|---|
| Replacement Jaws | -6220K |

## KENNEDY® Replacement Jaw for Crimping Tools

- To suit Kennedy ratcheting frame crimping tools.

**TCF016**
Capacity: 6mm² - 16mm²




| Compatible Connector | Overall Length | Order Code KEN-515 |
|---|---|---|
| Ferrule Terminal | 40mm | -6300K |

# CRIMPING TOOLS

## KENNEDY® Coaxial Crimp Tool

Full cycle ratcheting crimp frame and adjustable crimp pressure.
- Carbon steel jaws with a chemically blacked finish
- PVC handles

Suitable for RG cable: 6, 58, 59 and 62. Hexagonal crimp of 1.72, 2.5, 5.4, 6.48 and 8.22mm.

| Order Code KEN-515 |
|---|
| -5340K |

| Product Type | Order Code KEN-515 |
|---|---|
| Replacement Jaws | -6340K |

## KENNEDY® Modular Plug Crimp Tool

Complete with wire cutting and stripping facilities.
- Manufactured from hardened and tempered carbon steel
- Chemically blacked finished and tempered jaws
- PVC handles

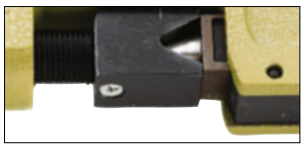
**Capacity:** 8P8C/RJ-45, 6P/RJ-12, RJ-11 and 6P2C.

| Order Code KEN-515 |
|---|
| -5460K |

## KENNEDY® Heavy Duty Crimp Tool

For uninsulated terminals.
- Tool steel jaws
- Manufactured from ductile iron

**Capacity:** cable lugs: 10mm² - 95mm². Aluminium AWG to 4/0. Copper 8WG to 250 MCM.



| Order Code KEN-515 |
|---|
| -5440K |

| Product type | Order Code KEN-515 |
|---|---|
| Replacement Jaws | -6440K |

## KENNEDY® Adjustable Ratchet Crimping Tool Set, 8 Pieces

- Soft grip handles bolster user comfort and control when using
- Manufactured from heat treated steel and a zinc phosphated surface finish making for a durable product
- Tension adjustment wheel allows you to set and adjust tension
- Ratchet handle allows the user to exert a consistent pressure
- Quick-release jaw changing is tool free to get you back working swiftly
- Supplied with 7 easy change jaws to allow you to customise the tool to suit your needs
- Comes in a plastic moulded carry case to easily store your tools

| No. Pieces | Order Code KEN-515 |
|---|---|
| 8 | -5740K |

## KENNEDY® Replacement Jaws For Crimping Tools

To suit Kennedy ratchet frame crimping tools.
- Replacement jaws for KRC05 and KRC07

| Crimp Type | Order Code KEN-515 |
|---|---|
| Insulated Terminals 0.5mm2 - 6.0mm2 | -5100K |
| Non-Insulated Terminals 1.5mm2 - 10mm2 | -5110K |
| Open Barrel Terminals 0.5mm2 - 0.6mm2 | -5120K |
| Cord End Terminals Small AWG 0.5mm2 - 4.0mm2 | -5130K |
| RG Type Coaxial Cable Connectors RG58-6/6.48-mm | -5140K |

## EDISON Black Cable Ties

- Suitable for securing or retaining cable pipe bundles and objects of various shapes and sizes
- High quality nylon: UL approved poly-amide 6.6, 94V-2
- Heat resistant up to 85°C
- Flame-retardant
- Supplied in a pack of 100
- Dimensions are approximate
- Nylon
- Black

PACK OF 100

| Length mm | Width mm | Order Code EDI-515 |
|---|---|---|
| 100 | 2.5 | -0000K |
| 160 | 2.5 | -0010K |
| 200 | 2.5 | -0020K |
| 140 | 3.6 | -0100K |
| 200 | 3.6 | -0110K |
| 300 | 3.6 | -0120K |
| 370 | 3.6 | -0130K |
| 120 | 4.8 | -0200K |
| 200 | 4.8 | -0210K |
| 300 | 4.8 | -0220K |
| 370 | 4.8 | -0230K |
| 430 | 4.8 | -0240K |
| 200 | 7.6 | -0300K |
| 300 | 7.6 | -0310K |
| 370 | 7.6 | -0320K |
| 450 | 7.6 | -0330K |
| 530 | 9.0 | -0400K |
| 780 | 9.0 | -0410K |
| 580 | 12.7 | -0500K |

## EDISON Natural Cable Ties

- Suitable for securing or retaining cable pipe bundles and objects of various shapes and sizes
- High quality nylon: UL approved poly-amide 6.6, 94V-2
- Heat resistant up to 85°C
- Flame-retardant
- Supplied in a pack of 100
- Dimensions are approximate
- Nylon
- Natural

PACK OF 100

| Length mm | Width mm | Order Code EDI-515 |
|---|---|---|
| 2.5 | 100 | -1000K |
| 2.5 | 160 | -1010K |
| 2.5 | 200 | -1020K |
| 3.6 | 140 | -1100K |
| 3.6 | 200 | -1110K |
| 3.6 | 300 | -1120K |
| 3.6 | 370 | -1130K |
| 4.8 | 120 | -1200K |
| 4.8 | 200 | -1210K |
| 4.8 | 300 | -1220K |
| 4.8 | 370 | -1230K |
| 4.8 | 430 | -1240K |
| 7.6 | 200 | -1300K |
| 7.6 | 300 | -1310K |
| 7.6 | 370 | -1320K |
| 7.6 | 450 | -1330K |
| 9.0 | 530 | -1400K |
| 9.0 | 780 | -1410K |
| 12.7 | 580 | -1500K |

## KENNEDY Cable Tie Gun

Steel jaws grip the cable with trigger action for rapid tightening, tensioning and trimming, ideal for production environments.

**Capacity:** 2.4 to 4.8mm width.

| Capacity (mm) | Order Code KEN-516 |
|---|---|
| 2.4 - 4.8 | -8400K |

## EDISON Assorted Cable Tie Sets

Sets of single diameter and mixed diameter (both in packs of assorted lengths).

| dIA | Pack Size | Order Code EDI-515 |
|---|---|---|
| | **Black** | |
| Mix mm | 600 | -3100K |
| 2.5mm | 300 | -3110K |
| 3.6mm | 400 | -3120K |
| 4.8mm | 500 | -3130K |
| | **Natural** | |
| Mix mm | 600 | -3200K |
| 2.5mm | 300 | -3210K |
| 3.6mm | 400 | -3220K |
| 4.8mm | 500 | -3230K |

## KENNEDY Magnetic Cable Guider

An innovative tool for inserting cables through brick walls, cavity walls, studwork etc.
Tested by major utilities - saves hours of engineer's time.
Includes three adaptors for 3.7 to 5.9mm cable diameters.
Drill bit not included.

**Push through cable guider**

**Attach to guider and pull back through**

**NOT FOR USE WITH LIVE CABLES!**

| Type | Order Code KEN-516 |
|---|---|
| Cable Guider | -9600K |
| Caps (Pk 6) | -9620K |

# CABLE & WIRE STRIPPING TOOLS

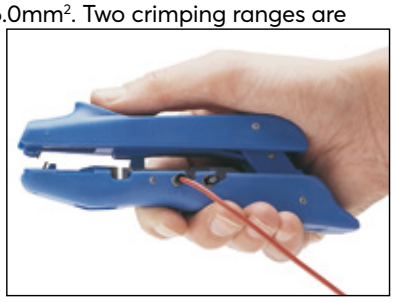


## KENNEDY® Wire Stripper, Cutter & Crimper

**Duo Crimp**
Combined stripping and crimping tool. Stripping tool adjusts automatically to the diameter of the wire.

**Wire diameter range:** 0.5 - 6.0mm². Two crimping ranges are available 0.5 - 1.5mm² and 2.5 - 6.0mm².
Complete with side wire cutter.

**Overall length:** 155mm.



| Capacity (mm²) | Weight each | Order Code KEN-516 |
|---|---|---|
| 0.5 - 6.0 | 150g | -8520K |

## KENNEDY® Multi-Stripper PLUS

- Cable stripper for round and continental type cables of 8 - 13mm dia (e.g. NYM 3x 1.5mm up to 5x 2.5mm²).
- Flush stripping even in hard-to-reach areas, e.g. ceiling and wall areas, junction and distribution boxes, switch cabinets, etc.
- The ergonomic tool design provides a sure grip and safe handling.
- Needs no adjustment of the cutting depth.

| Capacity (mm) | Order Code KEN-516 |
|---|---|
| 0.5 - 6.0 | -8300K |

## SENATOR QUALITY TOOLING Automatic Wire Stripper

- For stripping single core wire up to 6mm diameter.
- Also with bypass action cutting blades for wire up to 6mm diameter.

| Capacity (mm) | Order Code SEN-516 |
|---|---|
| 6.0 | -8240K |

## KENNEDY® Mains Testers

With heavy duty one-piece moulded insulation sheaths covering both blade and transparent plastic handle for extra protection and safety.
Will detect 'live' electricity supply.
Suitable for AC to 125 - 250V. 3mm wide tip.
Conforms to **DIN VDE 0680 part 6:1977-04** .

| Blade Length | Cap Type | Weight per 12 | Order Code KEN-515 |
|---|---|---|---|
| 150mm | Plastic | 210g | -0500K |
| 190mm | Plastic | 400g | -0550K |

## KENNEDY® Electrician's Shears

For use on soft cable up to 22mm² diameter, can also be used for stripping, cutting insulation materials, electrical tape and cable ties. Stainless steel blades with hardened edge with vanadium and molybdenum for long lasting edge.
HRC58-60 with one cutting edge serrated to reduce slipping and notched blade for tough and large diameter cuts.
Tough, lightweight nylon handles.
Supplied with handy clip-on belt pouch.

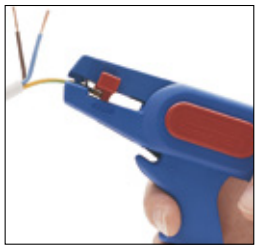
**Cutting length:** 45mm (1¾").

| Length (mm) | Weight each | Order Code KEN-516 |
|---|---|---|
| 140 | 150g | -6400K |

## KENNEDY® Super Wire Stripper & Cutter

Fully insulated for all stranded and solid conductors from 0.2 to 6mm². Automatically adjusts to the diameter of wire. Reinforced polymide construction.

**Overall length:** 195mm.



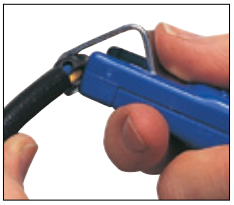
| Capacity (mm²) | Order Code KEN-516 |
|---|---|
| 0.2 - 6.0 | -7970K |

## KENNEDY® Cable Strippers

Durable plastic bodies with hardened and ground sharpened steel blades with precise depth of cut adjustment. Spring loaded safety cover, covers the blade when not in use. For standard and solid conductors. Hardened steel blades.

**-7900K**
For stripping of all common round cables of 4 - 16mm. Wire stripper adjusts automatically to diameter of wire to allow quick and accurate stripping. Stripping blades are made from hardened steel.

**Overall length:** 125mm.



**-7910K**
For stripping of all common round cables of 4 - 28mm. Wire stripper adjusts automatically to diameter of wire to allow quick and accurate stripping. Stripping blades are made from hardened steel.

**Overall length:** 130mm.

**-7920K**
Complete with hook knife for splitting flat and ribbon cables along its length.

**Overall length:** 170mm.

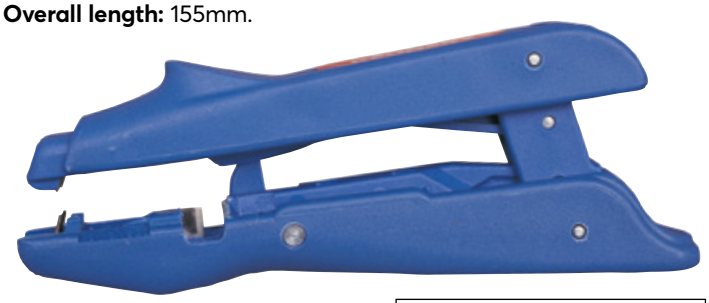
| | Capacity (mm²) | Weight each | Order Code KEN-516 |
|---|---|---|---|
| | 4.0 - 16.0 | | -7900K |
| | 8.0 - 27.0 | | -7910K |
| | 4.0 - 28.0 | | -7920K |
| | Spare blade suit | | |
| 7900K, 7910K, 7920K | | 125g | -7950K |

## KENNEDY® Wire Stripper & Cutter

Unique self-adjusting cutting action for rapid repeatable wire stripping. Hardened and tempered ground steel blades housed in durable plastic bodies contoured to fit comfortably into the hand for extended periods of use encountered in electrical assembly industries.

**Mini-Duo Wire Stripper & Cutter**
Fully insulated wire stripper for all common stranded and solid conductors of 0.5 - 6.0mm². Adjusts automatically to diameter of wire. Blades are made from hardened steel.

**Overall length:** 155mm.



| Capacity (mm²) | Order Code KEN-516 |
|---|---|
| 0.5 - 6.0 | -7980K |

PRECISION POWER FOR EVERY JOB

Do not compromise. Choose Kobe for unparalleled performance and reliability. Your projects deserve nothing less than the best.

Ready to take your work to the next level? Discover the Kobe difference today and experience excellence at your fingertips!

Power. Precision. Perfection.

KOBE™

# SOLDERING TOOLS

## SENATOR QUALITY TOOLING Soldering Irons

Supplied with a double flat nickel plated tip, 1.2m power lead and 3 amp three pin plug. Manufactured to **BS EN 60335-2-45**.

| Wattage | Tip Style | Voltage | Order Code SEN-516 |
|---|---|---|---|
| 40W | 6mm Offset | 230V | **-2240K** |

## KENNEDY® Butane Soldering Iron Tips

Interchangeable tips for use with Kennedy® butane soldering tools.

**2.4 to 4.8mm Double Flat Tip** | **Hot Air Blower Tip** | **Hot Knife Tip** | **Flame Tip**

**To Suit BS075 Soldering Iron**

| Type | Size (mm) | Order Code KEN-516 |
|---|---|---|
| Double Flat Tip | 2.4 | **-9140K** |
| | 3.2 | **-9150K** |
| | 4.8 | **-9160K** |
| Hot Air Tip | | **-9170K** |
| Flame Tip | | **-9180K** |
| Hot Knife Tip | | **-9190K** |

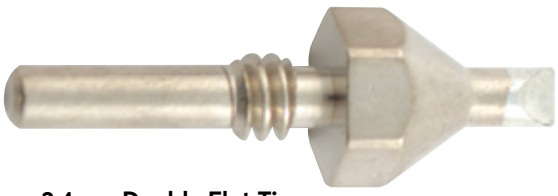
## KENNEDY® Butane Soldering Tool Kit

Supplied in a robust plastic case.
**Contents:** BS075 butane soldering iron, tip cleaning sponge, tray and stand. Five interchangeable tips: 2.4 & 4.8mm double flat, flame, hot air blower and hot air deflector.

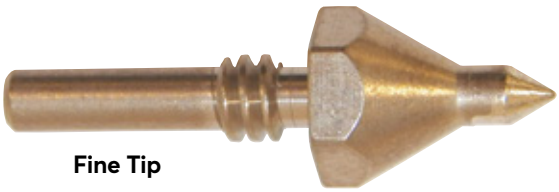
| Weight each | Order Code KEN-516 |
|---|---|
| 280g | **-9120K** |

## KENNEDY® Butane Soldering Iron Tips

Interchangeable tips for use with Kennedy® butane soldering tools.



**2.4mm Double Flat Tip**



**Fine Tip**

**Hot Knife Tip**

**To Suit BS050 Soldering Iron**

| Type | Size (mm) | Order Code KEN-516 |
|---|---|---|
| Double Flat Tip | 2.4 | **-9050K** |
| Fine Tip | | **-9060K** |
| Hot Knife Tip | | **-9070K** |

## KENNEDY® Butane Soldering Tool

Piezo self ignition. Uses standard butane lighter fuel and is simple to refill. Fully adjustable tip temperature control with a safety fuel cut-off when cap is replaced. Textured anti-slip barrel with built-in stand for anti roll. Supplied with pointed soldering tip. Can be used with single flat, double flat, hot air, hot air deflector and hot knife, can also be used as a blow torch. Supplied without fuel.

Power rating: 50W
Soldering temperature: 375°C
Run time: 60 minutes
Overall length with cap: 195mm
Overall length with soldering tip: 180mm

**-9100K**

**-9300K**

Power rating: 25W - 125W
Soldering temperature: 580-1300°C
Run time: 60 minutes
Overall length with cap: 235mm
Overall length with soldering tip: 230mm

| Weight each | Order Code KEN-516 |
|---|---|
| 100g | **-9100K** |
| 145g | **-9300K** |

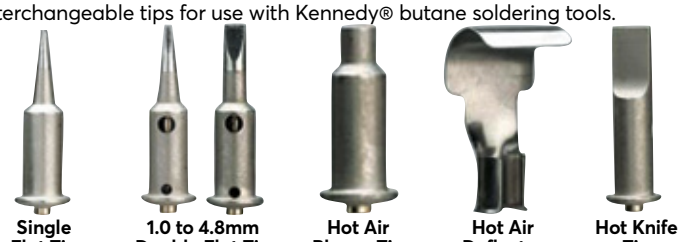
## KENNEDY® Professional Desoldering Tool

**DSGPRM**
Anodised aluminium body and steel plunger for professional use. With extraction spring located outside of the vacuum chamber and PTFE nozzle to prevent solder sticking. With safety shield.
**Nozzle size:** 3mm OD x 1.5mm, ID x 20mm long.

| Size (mm) | Weight each | Order Code KEN-516 |
|---|---|---|
| 190 x 20 | 60g | **-8500K** |

## KENNEDY® Butane Soldering Iron Tips

Interchangeable tips for use with Kennedy® butane soldering tools.



**Single Flat Tip** | **1.0 to 4.8mm Double Flat Tip** | **Hot Air Blower Tip** | **Hot Air Deflector** | **Hot Knife Tip**

**To Suit BS125 Soldering Iron**

| Type | Size (mm) | Order Code KEN-516 |
|---|---|---|
| Single Flat Tip | 2.4 | **-9340K** |
| Double Flat Tip | 1.0 | **-9350K** |
| | 2.4 | **-9360K** |
| | 3.2 | **-9370K** |
| | 4.8 | **-9380K** |
| Hot Air Blower Tip | | **-9390K** |
| Hot Air Deflector | | **-9400K** |
| Hot Knife Tip | | **-9410K** |

## KENNEDY® Multi Angle Vice

Aluminium vice with a two position lockable ball joint, cast steel clamp and swivel mechanism. Horizontal/vertical grooved jaw is designed to hold irregular shaped objects. Removable jaw rubber covers for protecting delicate components.
Will clamp to surfaces of 5 to 50mm thickness.
Jaw width: 74mm.
Upright: rotates through 360° and the vice can swivel between 45° and 135°.
Right angles: vice can be rotated through 360°.

| Jaw Capacity | Weight each | Order Code KEN-516 |
|---|---|---|
| 60mm | 930g | **-2000K** |

## KENNEDY® Helping Hands

Ideal for precision soldering, wiring and model making applications. With 10 movable joints for universal adjustment. 50mm diameter x 2.5 magnification. Two spring loaded crocodile clips for holding objects up to 8mm thick. Solid cast iron base for stability. All other metal parts are chrome plated and corrosion resistant.

| Mag. | Mirror Size | Order Code KEN-516 |
|---|---|---|
| 2.5x | 50mm Dia. | **-1800K** |

## KENNEDY® Butane Soldering Tool Kit

Butane soldering iron complete with 5 tip attachments, cleaning sponge and safety stand.

**Kit contents:** 1x butane soldering iron. 5x tip attachments: 2.4mm and 4.8mm double flat, hot knife, hot air blower and hot air deflector. 1x cleaning sponge, 1x safety stand.

| Number of Pieces | Weight each | Order Code KEN-516 |
|---|---|---|
| 8 | 460g | **-9320K** |

# MULTIMETERS

## LA-1011 2-in-1 Network Tester & Multimeter

The tester is a designed and very practical tester that can easily read the correct pin configuration 10 Base-T (Category 5), 10 Base-2 cable (coax), RJ45/RJ11 modular cables, 356A, TIA-568A/5688 and Token Ring cable by comparing one transmitting end to the corresponding receiving end.

By purchasing the remote kit the tester can test cables installed far away either on wall plate or patch panel. It is easy to verify the cable continuity, open, short and cross connect. It is affordable, so you can benefit the most.

**Max. Voltage:** 600V .
**Max. DC voltage:** 600V.
**Max. AC current:** 0.2A.
**Max. DC Current:** 0.2A..

| Model Number | Order Code OXD-516 |
|---|---|
| LA-1011 | -0225E |

## 6-in-1 Digital Multimeter with Thermometer

**DT-61**

This meter replaces 6 traditional meters to make your work simpler and more efficient. This newly designed digital light-weight device gives you long-lasting power with accurate measurements.

**6-in-1 Multi-function includes:**
Multimeter.
Light meter.
Sound Level.
Humidity meter.
Temperature meter.
NCV Indicator.

**Max. Voltage:** 600V .
**Max. DC voltage:** 600V.
**Max. AC current:** 10A.
**Max. DC Current:** 10A.

| Model Number | Order Code OXD-516 |
|---|---|
| DT-61 | -0625D |

## DT-2008 High Accuracy Digital Multimeter

Within the DT-2008 range of multimeters you will find direct reading multimeters and non-contact reading multimeters. Ideal for electrical troubleshooting and straightforward environmental testing in residential and commercial environments.

**AC/DC voltage:**
700V and 1000V.
**AC/DC current:** 20A.
**Resistance:** 20MΩ.
**Capacitance:** 200µF.
**Frequency:** 20kHz.
**Temperature:**
760°C / 1400°F.
**Diode Check:**
Open Voltage 2.8 V dc.
**Continuity Test:**
Threshold 30Ω.
**Dimensions:**
195mm x 92mm x 38mm

| Model Number | Order Code OXD-516 |
|---|---|
| DT-2008 | -4320M |

## UT120C Pocket Size Digital Multimeter

- Auto power off.
- Capacitance measurement.
- AC/DC current measurement.
- Auto range.
- 4000 display count.
- Data hold and relative mode.

**Max. Voltage:** 600V .
**Max. DC voltage:** 600V.
**Max. AC current:** 0.4A.
**Max. DC Current:** 0.4A.
**Weight:** 76g.

| Model Number | Order Code OXD-516 |
|---|---|
| UT120C | -6462E |

## DT-660 AC/DC Compact Digital Multimeter

- Manual Ranging.
- Data Hold.

**Max. voltage:** 600V
**Max. DC voltage:** 600V
**Max. AC current:** 10A / 10000mA
**Max. DC current:** 10A / 10000mA

| Model Number | Order Code OXD-516 |
|---|---|
| DT-660 | -1325K |

## DT-9915 Digital Multimeter

- EN61010-1 CAT IV 600V, CAT III 1000V.
- 1000V input protection on all ranges.
- 10A/1000V and 0.5A/1000V Fuses.
- Protection on current ranges.

**Max. Voltage:** 1000V .
**Max. DC voltage:** 1000V.
**Max. AC current:** 10A.
**Max. DC Current:** 10A.

| Model Number | Order Code OXD-516 |
|---|---|
| DT-9915 | -6487F |

## OXFORD PRECISION Two-pole Voltage & Continuity Tester

**DT-9232**
Fast test results the way you need them, with large, easy-to-use buttons, bright back-lights, and clear audible and visible indicators designed for any work situation.
Rugged, high-quality construction design includes a heavy duty moulded case, a thicker cord with wearindicator, sturdy battery case, and well-fitting and durable probe protector.
Enhanced ergonomic design feels good in your hand, is easy to use (even with gloves) and quick, secure probe docking.
A complete family of testers with the features, functions, and price/performance to fit your applications and preferences.

**Min. voltage sensed:** 12Vac / 600Vdc
**Max. voltage sensed:** 12Vac / 1000Vdc
**Indication:** Audible
**Ingress protection rating:** IP64
**Depth:** 30mm

| Model Number | Order Code OXD-516 |
|---|---|
| DT-9232 | -8260F |

## OXFORD PRECISION UT220 Series 2000A Clamp Meter (63mm Jaw)

**UT220**
The UT220 is a 1999 count AC&DC digital clamp meter that can ensure stable performance, higher degree of safety and reliability to users. It is designed with over-load protection for all ranges, perfect for all professionals measuring currents up to 2000A.

| Order Code OXD-516 |
|---|
| -1725D |

## OXFORD PRECISION Single Voltage Detector

**AC-6**
Rugged, double moulded case, audible sounds and green/red LED indicators.

**Specifications:**
**Detection voltage range:**
50V AC to 1000V AC.
**Frequency range:** 50/60Hz.
**Operating temperature:** 0°C to 50°C.
**Storage temperature:** -10°C - 60°C.
**Humidity:** 80% max.
**Altitude:** 2000 m.
**Pollution Degree:** 2.
**Conforms to:** CAT 111, 1000V.
**Batteries:** 2x AAA 1.5V batteries.

| Model Number | Order Code OXD-516 |
|---|---|
| AC-6 | -1336M |

# ENGINEER'S HAND TOOLS

## KENNEDY® Engineer's Squares

Manufactured from hardened and tempered steel. Edges are ground parallel to give the square an exact right angle on the inside and outside.
**Squareness Tolerance:**
75mm, 100mm and 150mm = +/- 0.030mm
225mm and 300mm = +/- 0.040mm

***Supplied in robust case.**

| Size (mm) | Order Code KEN-518 |
|---|---|
| 75 ( 3")* | -4620K |
| 100 ( 4")* | -4640K |
| 150 ( 6")* | -4660K |
| 225 ( 9") | -4680K |
| 300 (12") | -4700K |

## KENNEDY® Firm Joint Calipers

Manufactured from high quality steel, with a polished finish. Consisting of two legs which are held together by a large nut and screw to provide a firm friction joint. Each firm joint caliper has an adjustable ground point which can be retracted for storage and the other leg is angled at the tip. The legs can be reversed, so the tip turns inwards or outwards.

**Adjustable Pont**

| Size (mm) | Order Code KEN-518 |
|---|---|
| 100 (4") | -0530K |
| 150 (6") | -0540K |

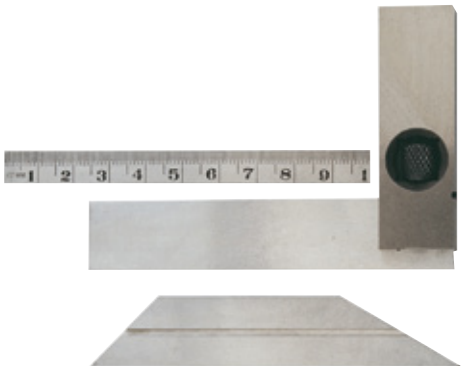
## KENNEDY® Spring Dividers

Manufactured from high quality polished steel. Ground finished points, a fine adjusting screw is mounted across the legs for setting the distance between the two points.
A circular spring bow joins the legs, with a knurled extension attached for use when pivoting the dividers.

| Capacity (mm) | Order Code KEN-518 |
|---|---|
| 75 ( 3") | -0030K |
| 100 ( 4") | -0040K |
| 150 ( 6") | -0060K |
| 200 ( 8") | -0080K |
| 250 (10") | -0100K |
| 300 (12") | -0120K |

## KENNEDY® Adjustable Steel Squares

Made from hardened steel and precision ground. Supplied with three fully adjustable blades. One plain, parallel blade for use as a conventional engineer's square, 30° and 45° bevel edged blade for checking angles, and a narrow blade graduated metric and imperial.



| Measured Length | Order Code KEN-518 |
|---|---|
| 100mm/4" | -4150K |
| 150mm/6" | -4160K |

## KENNEDY® Firm Joint Calipers

Manufactured from high quality steel, with a polished finish. Consisting of two legs which are held together by a large nut and screw to provide a firm friction joint. This firm joint caliper has an adjustable ground point which can be retracted for storage and the other leg is angled at the tip. The legs can be reversed, so the tip turns inwards or outwards.

**Adjustable Point & Spur**

| Size (mm) | Order Code KEN-518 |
|---|---|
| 130 (5") | -0550K |

## KENNEDY® Internal & External Spring Calipers

Manufactured from high quality polished steel with ground finished points. A circular spring bow joins the legs and a fine adjusting screw is mounted across the legs and is used for setting the distance between the two points.

**Internal Calipers**

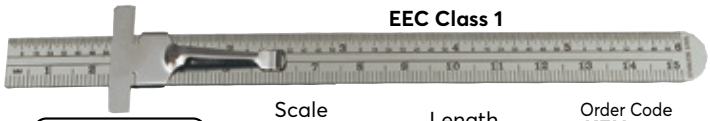
**External Calipers**

| Capacity (mm) | Order Code KEN-518 |
|---|---|
| **Internal Calipers** | |
| 75 ( 3") | -0230K |
| 100 ( 4") | -0240K |
| 150 ( 6") | -0260K |
| 200 ( 8") | -0280K |
| 255 (10") | -0300K |
| 305 (12") | -0320K |
| **External Calipers** | |
| 75 ( 3") | -0430K |
| 100 ( 4") | -0440K |
| 150 ( 6") | -0460K |
| 200 ( 8") | -0480K |
| 255 (10") | -0500K |
| 305 (12") | -0520K |

## KENNEDY® Engineer's Rule Round End - Pocket Type

Spring tempered stainless steel blades. 13mm blade width with pocket clip/depth gauge slide. Reverse side is marked with 1/64" to mm conversion table. 12mm blade width. Can also be used as a depth gauge.

EEC Class 1

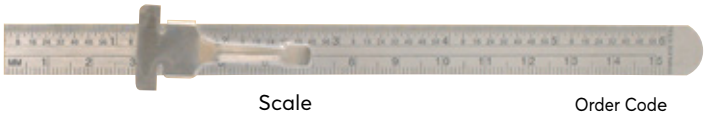


Anti Glare Satin Chrome / Rustless

| Scale Type | Length | Order Code KEN-518 |
|---|---|---|
| Metric & Inch | 150mm/6" | -3510K |

## SENATOR QUALITY TOOLING Engineer's Rule Round End - Pocket Type

Spring tempered stainless steel blades. 12mm blade width with pocket clip/depth gauge slide. Reverse side is marked with 1/64" to mm conversion table.



Stainless Steel / Rustless

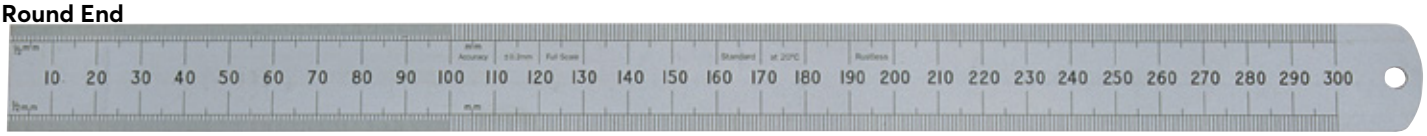
| Scale Type | Length | Order Code SEN-518 |
|---|---|---|
| Metric & Inch | 150mm/6" | -3500K |

## KENNEDY® Engineer's Steel Rules

EEC CLASS I ACCURACY

Finest quality spring tempered stainless steel. Satin chrome. Anti-glare finish with permanent black figures and graduations. Extremely easy to read. Accuracy: ± 0.2mm full scale. Constant at 20°C. Rustless.

**Round End**



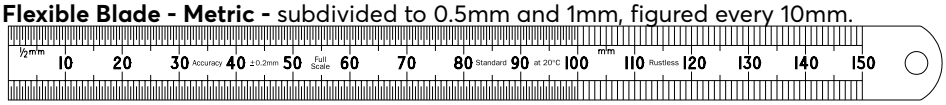
**Round End - Flexible Blade**

Spring tempered flexible steel blades. 12mm blade width. With hanging hole.

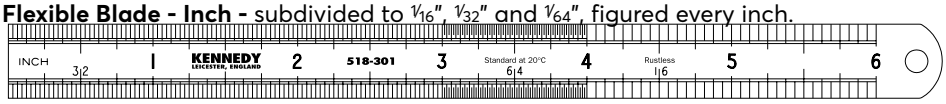
Anti Glare Satin Chrome / Rustless

| Scale Type | Length | Order Code KEN-518 |
|---|---|---|
| Metric & Inch | 150mm/6" | -3010K |
| | 300mm/12" | -3210K |
| Metric only | 150mm | -3030K |
| | 300mm | -3230K |

**Flexible Blade - Metric -** subdivided to 0.5mm and 1mm, figured every 10mm.



**Flexible Blade - Inch -** subdivided to 1/16", 1/32" and 1/64", figured every inch.

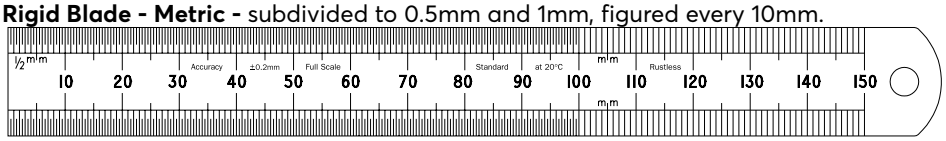


**Round End - Rigid Blade**

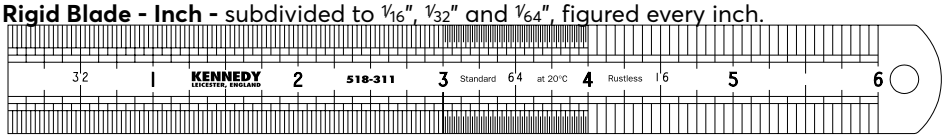
Spring tempered rigid steel blades.
150mm/6" = 19mm blade width.
Other lengths = 25mm blade width.
With hanging hole.

| Scale Type | Length | Order Code KEN-518 |
|---|---|---|
| Metric & Inch | 150mm/6" | -3110K |
| | 300mm/12" | -3310K |
| | 600mm/24" | -3710K |
| | 1000mm/39" | -3910K |
| Metric only | 150mm | -3130K |
| | 300mm | -3330K |
| | 600mm | -3730K |
| | 1000mm | -3930K |

**Rigid Blade - Metric -** subdivided to 0.5mm and 1mm, figured every 10mm.



**Rigid Blade - Inch -** subdivided to 1/16", 1/32" and 1/64", figured every inch.



**Square End**

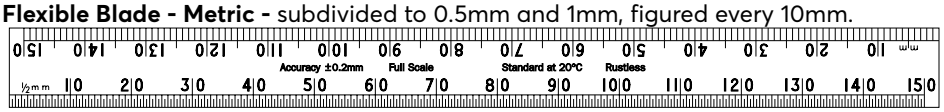
**Square End - Flexible Blade**

Spring tempered flexible steel blades.
12mm blade width.

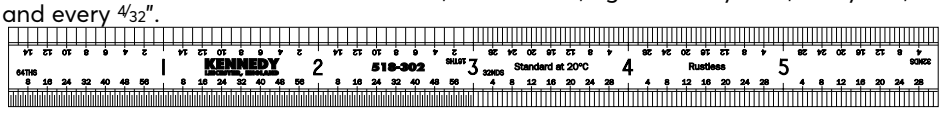
Anti Glare Satin Chrome / Rustless

| Scale Type | Length | Order Code KEN-518 |
|---|---|---|
| Metric & Inch | 150mm/6" | -3020K |

**Flexible Blade - Metric -** subdivided to 0.5mm and 1mm, figured every 10mm.



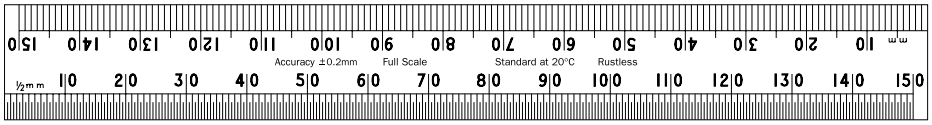
**Flexible Blade - Inch -** subdivided to 1/16", 1/32" and 1/64", figured every inch, every 8/64", and every 4/32".



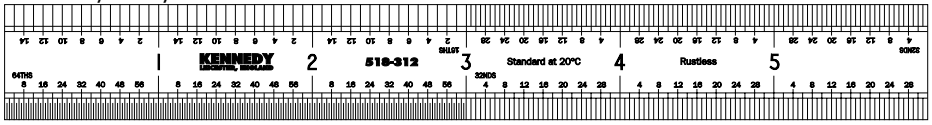
**Square End - Rigid Blade**

Spring tempered rigid steel blades.
150mm/6" = 19mm blade width.
300mm/12" = 25mm blade width.

**Rigid Blade - Metric -** subdivided to 0.5mm and 1mm, figured every 10mm.



**Rigid Blade - Inch -** subdivided to 1/16", 1/32" and 1/64", figured every inch, every every 8/64", and every every 4/32".



| Scale Type | Length | Order Code KEN-518 |
|---|---|---|
| Metric & Inch | 150mm/6" | -3120K |
| | 300mm/12" | -3320K |

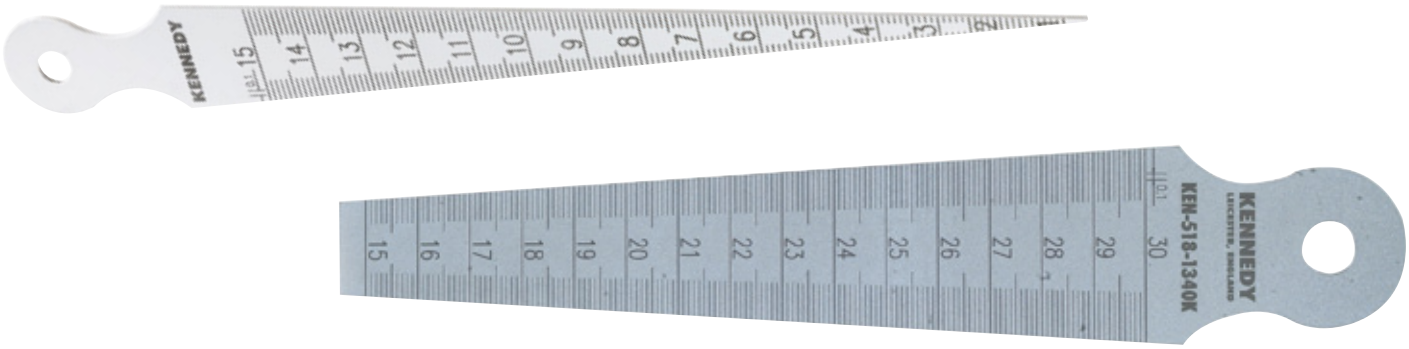
## KENNEDY® Brass Counter Measure

A robust measuring tool manufactured from hard rolled brass with permanent black figures and graduations. Flexible and rustless, it has a 19mm wide blade and countersunk fixing holes.

| Length | Order Code KEN-518 |
|---|---|
| 1m/36" | -4540K |

## KENNEDY® Tapered Gauges

These are called taper gauges only because of their shape - they do not measure tapers. They are ideally suited for the rapid accurate checking of the inside diameters of tubing, slot widths, hole sizes, setting calipers etc. Manufactured from spring tempered steel. 0.1mm increments. Rustless. Constant at 20°C. Satin chrome anti glare finish. Permanent black figures and graduations.




| Range (mm) | Order Code KEN-518 |
|---|---|
| 1 - 15 | -1320K |
| 15 - 30 | -1340K |

## KENNEDY® Tweezers

For workshop and home use. Cross pattern types are self closing and open only under applied pressure. High quality finish supplied singly or as a six piece set.

**Sharp Nose**

**Needle Nose**

**Flat Blade Cross Pattern**

**Bent Nose**

**Flat Blade**

**Sharp Nose Cross Pattern**

| Type | Length (mm) | Order Code KEN-518 |
|---|---|---|
| Sharp Nose | 115 | -5100K |
| Needle Nose | 115 | -5120K |
| Flat Blade Cross | 170 | -5140K |
| Bent Nose | 145 | -5160K |
| Flat Blade | 120 | -5180K |
| Sharp Nose Cross | 115 | -5200K |
| Set of 6 (1 of each above) | | -5250K |

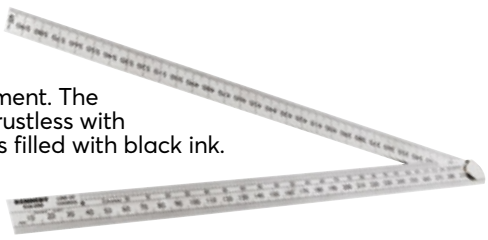
## KENNEDY® Folding Steel Rule

This folding steel rule is manufactured from spring tempered stainless steel with a polished finish and it is both flexible and rustlesss. A strong, solid performer for the engineer. Subdivided to mm, figured cm one side.
**Inch -** subdivided to 1/16", figured 1" other side.

| Length | Order Code KEN-518 |
|---|---|
| 600mm/24" | -2950K |

## KENNEDY® Line of Chords Rule

This precision tool has a line of chords scale for use in measuring angles and in determining the circumference of a circle from a diameter measurement. The rule is flexible and rustless with deep etched figures filled with black ink.



| Length | Order Code KEN-518 |
|---|---|
| 600mm/24" | -2980K |

KENNEDY

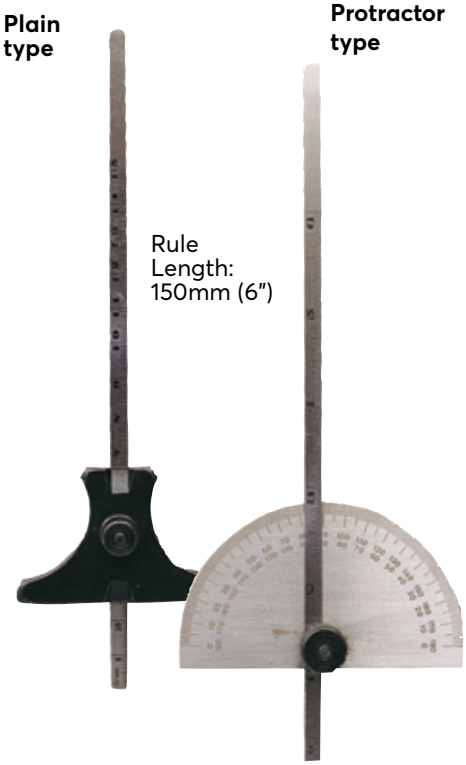
## Depth & Angle Gauges

**Plain Type Depth Gauge**
Designed for measuring flat based recesses. Consisting of a precision ground steel rule and body which are positioned at 90° to each other. The body has precision ground locating faces, with a knurled adjusting/ securing nut.

**Protractor Type Depth & Angle Gauge**
Ground steel with graduations from 0° - 180° in both directions for fast and accurate measurements. When the rule is positioned to 90° on the protractor it then provides accurate measurements of depth.

**Plain type**

**Protractor type**

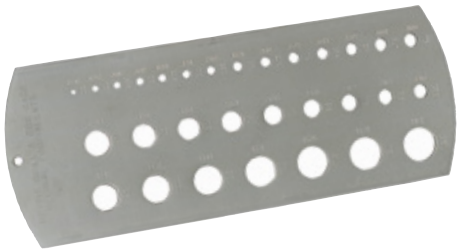



| Type | Order Code KEN-518 |
|---|---|
| Plain | -3400K |
| Protractor | -3450K |

KENNEDY

## Drill Gauges

Manufactured from hardened steel with a satin finish. An ideal way to quickly measure the diameter of drills and steel wire.



| Range of sizes | Order Code KEN-518 |
|---|---|
| 1.5 - 12.5mm | -1130K |
| 1/16 - 1/2" | -1140K |

KENNEDY

## Screw Cutting Gauge

Manufactured from hardened and polished steel to check BA, Whitworth and BSF, Acme and American Screw Threads.

**Angles:** 60° American and Metric, 55° Whit and BSF, 47½° BA and 14½° Acme.

| Type | Order Code KEN-518 |
|---|---|
| Screw Gauge | -0800K |

KENNEDY

## Screw Pitch Gauges

Ideal for accurately measuring internal and external thread forms. Manufactured from hardened and polished steel, the blades are precision milled for optimum accuracy. Enclosed in a steel case.
**Range of sizes:** Whitworth - 4 - 62 TPI; Metric - 0.75 - 6mm; American - 4 - 42 TPI.

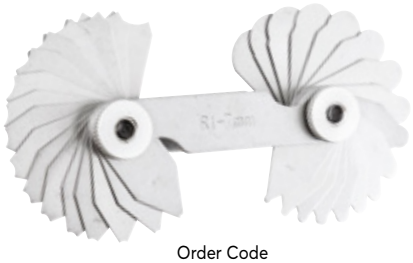
| Type | No. of Blades | Order Code KEN-518 |
|---|---|---|
| 55° Whit. | 28 | -1000K |
| 60° Metric | 20 | -1010K |
| 60° USA | 30 | -1070K |

KENNEDY

## Radius Gauges

Manufactured from hardened and polished steel, the blades are precision milled for optimum accuracy when measuring internal and external radii. Enclosed in a steel case.

**Size range:**
34 Blade Metric: 1.0 to 3.0 x .25 and 3.5 to 7.0 x .5
32 Blade Metric: 7.5 to 15.0 x .5
32 Blade Inch: 17/64" to 1/2" x 1/64"
30 Blade Metric: 15.5 to 20.0 x .5 and 21.0 to 25.0 x 1
30 Blade Inch: 1/32" to 1/4" x 1/64".



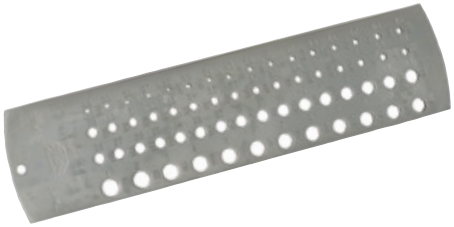
| No. of Blades | Order Code KEN-518 |
|---|---|
| 34 | -0820K |
| 32 | -0850K |
| 32 | -0940K |
| 30 | -0890K |
| 30 | -0920K |

KENNEDY

## Drill Gauges

Manufactured from hardened steel with a satin finish. An ideal way to quickly measure the diameter of drills and steel wire.

**1 - 60 Gauge**
Measures drill sizes Nos 1 - 60. Holes are marked with size and decimal equivalent of drill.



| Range of sizes | Order Code KEN-518 |
|---|---|
| No. 1 - 60 | -1100K |

KENNEDY

## Standard Wire Gauges

Manufactured from high grade tool steel with satin brushed finish. Each slot is marked with the nominal size. Two part pivoting space saving design.

| Range of sizes | Order Code KEN-518 |
|---|---|
| 1 - 36SWG | -1160K |
| 0.2 - 10.0mm | -1165K |

## KENNEDY® Feeler Gauges

Hardened and polished taper blades, enclosed in a steel case. Blades are clearly marked for easy identification.
**Metric:**
Manufactured to **DIN 2275**.

**Part 1** (Metric).
**Range:**
**10 Blade:** .05 - .80mm.
**13 and**
**20 Blade:** .05 - 1mm.

| No. of Blades | Order Code KEN-518 |
|---|---|
| 10 | -0710K |
| 13 | -0740K |
| 20 | -0780K |

**Inch:** Manufactured to **DIN 2275**.
4" Blade length.
**Range:**
**10, 18 and**
**26 Blade:**
.0015" - .025".

| No. of Blades | Order Code KEN-518 |
|---|---|
| 10 | -0610K |
| 18 | -0650K |
| 26 | -0690K |

## KENNEDY® Double Ended Feeler Gauge

Hardened and polished taper blades enclosed in a steel case. Blades are clearly marked. Manufactured to **DIN 2275**.
**Blade length:** 75mm/3".
**Range (18 blade):**
**Metric:** 0·05 - 0·5mm.
**Inch:** 0.0015" - 0.025".

| No. of Blades | Order Code KEN-518 |
|---|---|
| 18 | -0790K |

## KENNEDY® Automatic Centre Punches

**Light Duty**
Delivers a punch when head is depressed. Chrome vanadium tip with rubber sheathed steel body.

| Length (mm) | Impact Weight (kg) | Order Code KEN-518 |
|---|---|---|
| 140 | 1.5 - 5.0 | -1750K |
| Spare Point | | -1800K |

**Standard Duty**
Strength of punch and depth of depression is adjustable by turning the knurled head. Delivers a punch between 2.25 to 13.5kg (5 to 30lb).

| Length (mm) | Impact Weight (kg) | Order Code KEN-518 |
|---|---|---|
| 120 | 2.25 - 13.5 | -1710K |

**Heavy Duty**
Strength of punch and depth of depression is adjustable by turning the knurled head. Delivers a punch between 6.3 to 22.5kg (14 to 50lb).

| Length (mm) | Impact Weight (kg) | Order Code KEN-518 |
|---|---|---|
| 149 | 6.30 - 22.5 | -1720K |

## KENNEDY® Square Head Centre Punches

Non-roll. Manufactured from hardened and tempered steel with a knurled body for positive grip. Precision ground 60° point for accurate marking of workpiece. Conform to **BS 3066**.

**Overall length:** 100mm (4").

*Round headed.

| Point Diameter (mm) | Order Code KEN-518 |
|---|---|
| **100mm (4") Overall Length** | |
| 3.2 (⅛") | -2050K |
| 4.0 (5/32") | -2060K |
| 4.8 (3/16") | -2070K |
| 6.3 (¼") | -2090K |
| **125mm (5") Overall Length** | |
| 6.3 (¼") | -2110K |
| 9.5 (⅜")* | -2120K |

**Set**
Supplied in plastic wallet.
**Contents:** 1x 3.2, 4, 4.8 and 6.4 x 100mm.

| Number of Pieces | Order Code KEN-518 |
|---|---|
| 4 | -2100K |

## KENNEDY® Nail Punches

Cupped and bevelled precision ground points provide accurate positioning over the nail head for efficient depression. Manufactured from hardened and tempered steel, with a knurled body for extra grip.
Conform to **BS 3066**. (Hardness: heads 42 HRC. Max: points 52 - 58 HRC).
**Overall length:** 100mm (4").

| Point Diameter (mm) | Order Code KEN-518 |
|---|---|
| 1.6 (1/16") | -2220K |
| 2.4 (3/32") | -2230K |
| 3.2 (⅛") | -2250K |
| 4.0 (5/32") | -2270K |

**Set**
Supplied in plastic wallet.
**Contents:** 1.6, 2.4, 3.2 and 4mm.

| Number of Pieces | Order Code KEN-518 |
|---|---|
| 4 | -2300K |

## KENNEDY® Centre Punches

Ideal for driving tight fitting pins out of mechanical assemblies or realigning holes to fit dowel pins. Made from chrome vanadium steel with high strength octagonal shanks and featuring cushioned grip handles with shock absorbing air pockets.
**Overall length:** 150mm (6").

| Point Dia. (mm) | Order Code KEN-518 |
|---|---|
| 2.0 | -2332K |
| 3.0 | -2333K |
| 4.0 | -2334K |
| 5.0 | -2335K |
| 6.0 | -2336K |
| 8.0 | -2337K |
| Set of 6 pieces as above | -2331K |

## KENNEDY® Standard Length Inserted Pin Punches

Manufactured from chrome vanadium steel. Used for punching out pins and dowels.

| Size (mm) | Overall Length (mm) | Order Code KEN-518 |
|---|---|---|
| 2 | 115 | -2412K |
| 3 | 125 | -2413K |
| 4 | 150 | -2414K |
| 5 | 165 | -2415K |
| 6 | 180 | -2416K |
| 8 | 200 | -2418K |

**Set**
Supplied in plastic wallet.
**Contents:** 2, 3, 4, 5, 6 and 8mm.

| Number of Pieces | Order Code KEN-518 |
|---|---|
| 6 | -2420K |

## KENNEDY® Extra Length Inserted Pin Punches

Manufactured from chrome vanadium steel. Used for punching out pins and dowels.

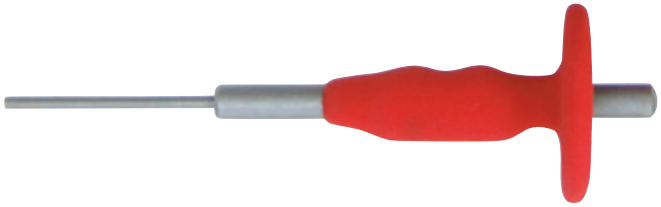
| Size (mm) | Overall Length (mm) | Order Code KEN-518 |
|---|---|---|
| 2 | 143 | -2422K |
| 3 | 155 | -2423K |
| 4 | 185 | -2424K |
| 5 | 202 | -2425K |
| 6 | 209 | -2426K |
| 8 | 219 | -2428K |
| 10 | 230 | -2430K |

**Set**
Supplied in plastic wallet.
**Contents:** 2, 3, 4, 5, 6 and 8mm.

| Number of Pieces | Order Code KEN-518 |
|---|---|
| 6 | -2435K |

## KENNEDY® Long Parallel Pin Punches With Air Grip

Ideal for driving tight fitting pins out of mechanical assemblies or realigning holes to fit dowel pins. Manufactured from hardened and tempered steel. Fitted with an air grip handle that absorbs vibration as well as deflecting wayward hammer blows.



| Point Dia. (mm) | Overall Length (mm) | Weight each | Order Code KEN-518 |
|---|---|---|---|
| 3 | 149 | 53g | **-2323K** |
| 4 | 184 | 97g | **-2324K** |
| 5 | 200 | 110g | **-2325K** |
| 6 | 200 | 117g | **-2326K** |
| 8 | 227 | 180g | **-2328K** |

### Long Parallel Punch Set

| Number of Pieces | Contents | Weight each | Order Code KEN-518 |
|---|---|---|---|
| 5 | 3, 4, 5, 6 & 8mm | 557g | **-2330K** |

## KENNEDY® Parallel Pin Punches

Ideal for driving tight fitting pins out of mechanical assemblies or realigning holes to fit dowel pins. Manufactured from hardened and tempered steel. With a knurled body for extra grip. Conform to **BS 3066**.

| Point Dia. (mm) | Weight each | Order Code KEN-518 |
|---|---|---|
| **100mm (4") Overall Length** | | |
| 1.9 (5/64") | 30g | **-2125K** |
| 2.4 (3/32") | 30g | **-2130K** |
| 3.2 (1/8") | 30g | **-2150K** |
| 3.4 (9/64") | 30g | **-2155K** |
| 4.0 (5/32") | 30g | **-2160K** |
| 4.8 (3/16") | 40g | **-2170K** |
| **115mm (4½") Overall Length** | | |
| 5.5 (7/32") | 30g | **-2180K** |
| 6.3 (1/4") | 40g | **-2190K** |
| 7.8 (5/16") | 150g | **-2192K** |
| **130mm (5") Overall Length** | | |
| 8.8 (11/32") | 175g | **-2196K** |
| **150mm (6") Overall Length** | | |
| 4.0 (5/32") | 60g | **-2350K** |
| 4.8 (3/16") | 70g | **-2360K** |
| 5.5 (7/32") | 175g | **-2370K** |
| 6.3 (1/4") | 280g | **-2380K** |

### Parallel Pin Punch Sets

Supplied in plastic wallet.

| Number of Pieces | Contents (mm) | Weight each | Order Code KEN-518 |
|---|---|---|---|
| | **100mm (4") Overall Length** | | |
| 6 | 2.4, 3.2, 4.0, 4.8, 5.5 & 6.4 | 280g | **-2200K** |
| | **150mm (6") Overall Length** | | |
| 4 | 4.0, 4.8, 5.5 & 6.4 | 585g | **-2400K** |

## KENNEDY® Taper Punches

Manufactured from chrome vanadium steel.
Used for aligning holes in jigs and fixtures etc.

| Point Dia. (mm) | Overall Length (mm) | Weight each | Order Code KEN-518 |
|---|---|---|---|
| 3 | 210 | 115g | **-1533K** |
| 4 | 215 | 160g | **-1534K** |
| 5 | 225 | 180g | **-1535K** |
| 6 | 240 | 195g | **-1536K** |
| 8 | 270 | 380g | **-1538K** |
| 10 | 355 | 520g | **-1540K** |
| 12 | 355 | 540g | **-1542K** |

### Taper Punch Set

Contents: 1x 3, 4, 5, and 6mm.

4 PIECES

| Number of Pieces | Contents | Weight each | Order Code KEN-518 |
|---|---|---|---|
| 4 | 3, 4, 5 & 6mm | 683g | **-1550K** |

## KENNEDY® Straight Shank Hollow Punches

Manufactured from hardened carbon steel. Through body ejection of the punched material makes them ideal for punching clean edged holes in leather, wood, plastics, card and paper.

| Cut Dia. (mm) | Overall Length | Order Code KEN-518 |
|---|---|---|
| 5 (3/16") | 100mm | -1580K |
| 6 (1/4") | 100mm | -1581K |
| 8 (5/16") | 105mm | -1582K |
| 10 (3/8") | 117mm | -1583K |
| 11 (7/16") | 117mm | -1584K |
| 12 (1/2") | 115mm | -1585K |
| 14 (9/16") | 115mm | -1586K |
| 16 (5/8") | 115mm | -1587K |
| 17 (11/16") | 115mm | -1588K |
| 19 (3/4") | 118mm | -1589K |

**Hollow Punch Sets**
Supplied in hardwearing PVC pocket wallets with tie fastening.

| Number of Pieces | Contents | Order Code KEN-518 |
|---|---|---|
| 6 | 5mm (3/16")<br>6mm (1/4")<br>8mm (5/16")<br>10mm (3/8")<br>11mm (7/16")<br>12mm (1/2") | -1600K |
| 6 | 6mm (1/4")<br>8mm (5/16")<br>10mm (3/8")<br>12mm (1/2")<br>16mm (5/8")<br>19mm (3/4") | -1650K |

## KENNEDY® Small Hole Gauge Set

**Range 3mm (1/8") to13mm (1/2")**
The knurled handle allows fine adjustment of the gauge within the workpiece. Use in conjunction with a micrometer to accurately measure internal dimensions.
**Contents:** 90, 99, 110 and 110mm overall length.

| Order Code KEN-518 |
|---|
| -1150K |

## KENNEDY® Telescopic Gauges

With knurled satin finish bodies providing positive adjustment of the hardened and radius ground plungers ensuring accurate measurement of the internal diameter when used with a micrometer. For smaller diameter measurements use the small hole gauge.

| Range mm | Range inch | Length (mm) | Order Code KEN-518 |
|---|---|---|---|
| 8 - 12 | 5/16"- 1/2" | 115 | -1174K |
| 12 - 19 | 1/2"- 3/4" | 115 | -1175K |
| 19 - 32 | 3/4"- 1 1/4" | 115 | -1176K |
| 32 - 54 | 1 1/4"- 2 1/8" | 137 | -1177K |
| 54 - 90 | 2 1/8"-3 1/2" | 137 | -1178K |
| 90 -150 | 3 1/2"- 6" | 137 | -1179K |

**Set**
Supplied in a size marked PVC storage wallet, with stud fastening. Contains 1 of each size A - F inclusive.
**Set range:** 8 - 150mm (5/16" - 6").

| Order Code KEN-518 |
|---|
| -1180K |

## KENNEDY® Reduced Shank Wad Punches

For a variety of soft materials. Can be used for cutting holes and producing clean edged discs from the material being cut.

| Cut Dia. (mm) | Overall Length | Order Code KEN-518 |
|---|---|---|
| 22 (7/8") | 118mm | -1591K |
| 25 (1") | 121mm | -1593K |
| 35 (1 3/8") | 205mm | -1596K |
| 45 (1 25/32") | 210mm | -1598K |

## KENNEDY® Edge & Centre Finders

### Cylinder Type

For fast accurate work location. Made from tool steel and hardened all over, they can be used on flat surfaces, straight edges, shoulders, grooves, studs, dowels, centre points and scribed lines.

To locate an edge first secure the finder in a collet or chuck, the work table is then traversed to cause the rotating edge finder to make contact with the workpiece. ***(fig 1)***.

Upon touching the workpiece the edge finder's contact point will be forced into running concentrically with the body ***(fig 2)***. Any further movement to "off-centre" will cause a distinct wobble.

At this point, the distance from the work edge to the centre of the finder is equal to half the diameter of the contact point.

Datum lines and centre points are located using the combination edge and centre finder ***(fig 3)***.

This has a cone shaped contact point which is lowered into position barely touching the workpiece at the point you wish to measure.

The finder is made to run concentrically using a steel rule or straight edge ***(fig 4)***.

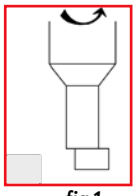


*fig 1*

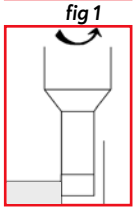


*fig 2*

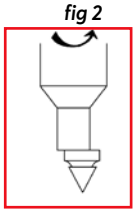


*fig 3*

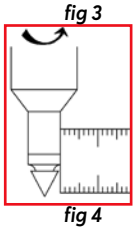


*fig 4*

### Edge Finders

| Diameters | | Order Code KEN-518 |
|---|---|---|
| Shank | 0.200" | -1410K |
| Body | 0.375" | |
| Shank | 10mm | -1420K |
| Body | 10mm | |
| Shank | 0.200" | -1430K |
| Body | 0.500" | |

### Edge & Centre Finders Combination

| Diameters | | Order Code KEN-518 |
|---|---|---|
| Shank | 0.200" | -1440K |
| Body | 0.500" | |
| Shank | 0.200" | -1450K |
| Body | 0.375" | |
| Shank | 5mm | -1445K |
| Body | 12mm | |

### Double Edge

| Diameters | | Order Code KEN-518 |
|---|---|---|
| Shank | 0.200" | -1460K |
| Body | 0.500" | |

### Plain Edge

| Diameters | | Order Code KEN-518 |
|---|---|---|
| Shank | 0.500" | -1470K |
| Body | 0.500" | |
| Shank | 12mm | -1480K |
| Body | 12mm | |

## KENNEDY® Edge & Centre Finder - 5 Piece Set

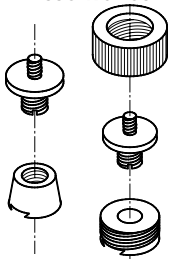
Consists of a chuck body and four contact arms. Designed to check 'run-out' or concentricity, straightness and alignment. Will indicate the position of a datum point on a component or fixture from the centre line of a machine spindle. Suitable for use on drill presses, lathes, milling machines, borers etc.

**Chuck Body:**
Held in the spindle using a suitable drill chuck or collet chuck ***(fig 1)***. The contact arms are retained in position using the knurled collar which lightly clamps the ball joint inside the body. Arms may be exchanged without the need to remove the body from the machine spindle.

*fig 1*

**Universal Indicator Holder**
The detachable end will allow clamping with 2 and 3 piece dovetail clamping assemblies and when removed will fit standard ¼" side clamp. This uses the spindle centre line to align component bores or spigots, check the flatness or squareness of workpieces or fixturing and check run-out of components. The spindle should only be rotated manually to avoid damaging the dial test indicator ***(fig 1)***.

**Clamping Assemblies**



2 Piece 3 Piece

**Needle Point**
To lightly mark out lines and positions on a component as a guide to subsequent operations, using the machine's dials or digital read-out to position the scriber point *(not illustrated)*.

**Ball Contact** .250"

Flat Work-Piece

Used to find a datum point .125" ± .0005" away from a flat surface.

**Disc Contact** .100"

Convex Work-Piece

Used to find a datum point .050" ± .0005" away from a convex surface.

Position the contact arm in line, but slightly away from the surface to be aligned. When finding the surface of a diameter, the 'Disc' must be positioned as near to the centre of that diameter as possible. Run the spindle between 200 and 500 revs/min. The table or spindle is then moved slowly, to bring the contact arm closer to the surface to be aligned. The contact arm will tap lightly against the surface ***(fig 2)*** the movement of the arm will become less and less the nearer the datum point gets to the spindle centre line ***(fig 3)***. When the arm stops spinning in a straight line and starts to 'jump', this indicates the datum point ***(fig 4)***:

½ contact dia + Edge = Centre ½ contact dia - Centre = Edge

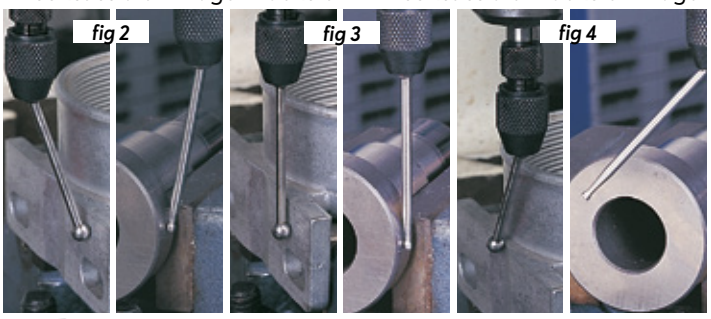
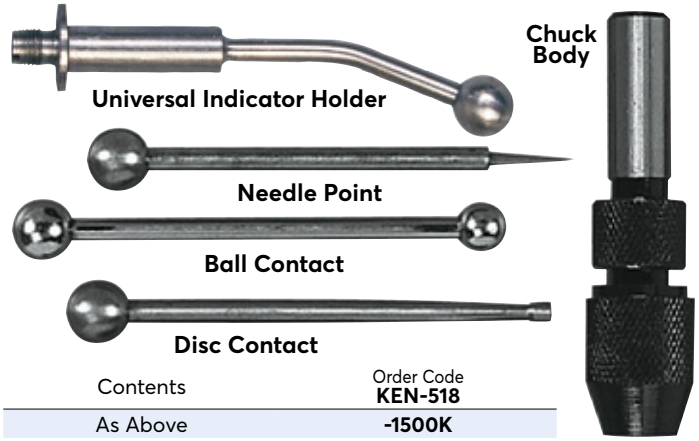


*fig 2* *fig 3* *fig 4*




| Contents | Order Code KEN-518 |
|---|---|
| As Above | -1500K |

## KENNEDY® Telescopic Mirrors

Ball and socket universally positional joint, holds the high grade distortion free mirror at any angle. Chrome plated high polish finish telescopic shafts.

**Mirror diameter:** 50mm.

| Length Closed/Open | Weight each | Order Code KEN-518 |
|---|---|---|
| 280/420mm | 100g | **-5420K** |

**Circular Mirror**
With high power magnet and pocket clip.
**Mirror diameter:** 30mm.

| Length Closed/Open | Weight each | Order Code KEN-518 |
|---|---|---|
| 180/480mm | 41g | **-5380K** |

**Rectangular Mirror**
**Mirror size:** 90 x 50mm.

| Length Closed/Open | Weight each | Order Code KEN-518 |
|---|---|---|
| 370/550mm | 127g | **-5460K** |

## KENNEDY® Inspection Mirrors

With flexible shafts which can be adjusted into any position.
Available as standard or with light attachment.
Both models have high grade distortion-free glass mirrors with chrome plated shafts. Inspection mirror with light requires 2x 'AA' batteries and has a swivel head.

**Standard**

| Mirror Diameter | Weight each | Order Code KEN-518 |
|---|---|---|
| 50mm | 180g | **-5400K** |

**With Light Attachment**
Flexible shafts which can be adjusted into any position.

| Mirror Size | Weight each | Order Code KEN-518 |
|---|---|---|
| 50 x 25mm | 220g | **-5500K** |

## KENNEDY® Hand Magnifiers

Plastic lightweight magnifiers.
Used to provide a clear crisp enlarged image.
Used for inspection of finished parts, enlarging small text and pictures etc.

| Diameter | Mag. Factor | Order Code KEN-518 |
|---|---|---|
| 50mm | 5x | **-6040K** |

## KENNEDY® Eye Loupes

- Ideal tools for professionals and hobbyists
- Achieve high levels of precision and accuracy in detailed tasks

Typical Applications
- Watch Repair
- Jewellery Making
- Inspection of Cutting Tool Edge
- Dentistry
- Electronics

| Mag. Factor | Order Code KEN-518 | Mag. Factor | Order Code KEN-518 |
|---|---|---|---|
| 10x | **-5999Q** | 3x | **-5999V** |
| 2x | **-5999R** | 4.5x | **-5999W** |
| 3.5x | **-5999T** | 4x | **-5999X** |
| | | 5x | **-5999Y** |

**Eye Loupe Set of 3**

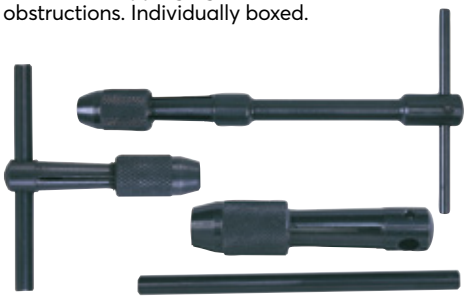
| Mag. Factor | Order Code KEN-518 |
|---|---|
| 2x 5x 10x | **-5999D** |

# ENGINEER'S HAND TOOLS

## KENNEDY® Chuck Style Tap Wrenches

**English Type**

Used in hand tapping operations and provide the reach and leverage needed for accurate tapping in tight spaces. Heavy duty ductile steel body with knurled chuck, four equalising jaws to hold the tap true and sliding T-bar which can be used when tapping against a shoulder or other obstructions. Individually boxed.



| Square Size (mm) | Length (mm) | Order Code KEN-518 |
|---|---|---|
| **Standard Length** | | |
| 2.0 - 2.8 | 50 | **-8860K** |
| 3.0 - 5.0 | 65 | **-8880K** |
| 7.0 - 9.4 | 90 | **-8900K** |
| **Long Reach** | | |
| 3.0 - 5.0 | 165 | **-8920K** |
| 7.2 - 9.0 | 255 | **-8940K** |

## KENNEDY® Chuck Type Tap Wrench Set

**English Type**

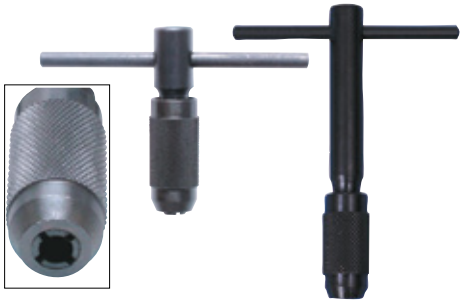
**Contents:**
**Standard length**
2.0 - 2.8,
3.0 - 5.0,
7.0 - 9.4mm.
**Extra length**
3.0 - 5.0,
7.2 - 9.0mm.

5 PIECES

| Weight each | Order Code KEN-518 |
|---|---|
| 895g | **-9000K** |

## KENNEDY® Japanese Type

Used in Hand Tapping operations and provide the reach and leverage needed for accurate tapping. Heavy duty ductile steel body with knurled chuck, stepped chuck jaws and four point clamping increase the range of tap sizes which can be used in the wrench fitted with a fixed T-bar. Individually boxed.



| Square Size (mm) | Length (mm) | Order Code KEN-518 |
|---|---|---|
| **Slimline** | | |
| 2.0 - 4.0 | 55 | **-8520K** |
| **Standard Length** | | |
| 4.0 - 5.0 | 60 | **-8550K** |
| 4.0 - 5.5 | 70 | **-8580K** |
| **Long Reach** | | |
| 3.0 - 3.9 | 100 | **-8620K** |
| 5.6 - 6.2 | 120 | **-8690K** |

## KENNEDY® Engineer's Tap Wrenches

With all steel, hardened and tempered bodies, solid construction, hardened ground jaws and knurled adjustable handles for extra grip. Straight handle design provides greater leverage, especially when using larger diameter taps.
Tap sizes to **ISO 529.**

| Square Size (mm) | Order Code KEN-518 |
|---|---|
| 2.8 - 5.0 | **-8320K** |
| 4.0 - 10.0 | **-8350K** |
| 4.0 - 12.0 | **-8390K** |
| 5.3 - 17.0 | **-8470K** |

**Kennedy® Tap Wrench Set**
**Contents:**
Square size: 2.8 - 5mm and
4.0 - 12mm.

2 PIECES

| Order Code KEN-518 |
|---|
| **-8480K** |

## KENNEDY® Bar Type Tap Wrenches

Ductile steel body with a knurled locking nut ensuring no loss of grip during use.

| Square Size (mm) | Order Code KEN-518 |
|---|---|
| 1.5 - 5.0 | **-8800K** |
| 2.0 - 7.2 | **-8820K** |
| 2.5 - 9.0 | **-8840K** |

## KENNEDY® Tap Wrench & Diestock Set

**Contents**
**Diestocks:** 1" x 13/16",1" x 1", 1" x 1 5/16".
**Tap wrenches:**
1 x 2.8 - 5.0mm és 1 x 4.0 - 10.0mm.

5 PIECES

| Order Code KEN-518 |
|---|
| **-8500K** |

## KENNEDY® Ratchet Type Tap Wrenches

Manufactured from hardened and tempered steel, with chrome plated high polish finish. Switchable between forward and reverse coupled with the multi-positional sliding T-bar makes this tap wrench ideal for use in confined spaces. Individually boxed.

| Square Size (mm) | Length (mm) | Order Code KEN-518 |
|---|---|---|
| 3.0 - 6.0 | 85 | **-8720K** |
| 6.0 - 8.0 | 100 | **-8750K** |

## KENNEDY® Die Stocks

All steel drop forged solid construction for long life with knurled handles for extra grip. Designed to hold a range of different sizes of round split-adjustable dies. The three screw design easily locks die into position and maintains alignment for accurate threading resulting in clean, straight threads.

| Outside Diameter | Order Code KEN-518 |
|---|---|
| 13/16" | **-8070K** |
| 1" | **-8100K** |
| 1 5/16" | **-8130K** |
| 1½" | **-8150K** |
| 2" | **-8200K** |

**Die Stock Set Contents:**
1 - 13/16" x 150mm,
1 - 1" x 210mm,
1 - 1 5/16" x 280mm.

3 PIECES

| Order Code KEN-518 |
|---|
| **-8210K** |

## KENNEDY Scribers

Used for the marking out of fine lines on metals. Manufactured from hardened and tempered high grade steel with knurled bodies for high grip and precision ground points for accurate marking. Available with a chisel point, pocket type, machinist's standard type, double ended, which are mainly used in conjunction with surface gauges.

**Machinist's**
One piece single ended for marking out in confined places.
**Overall length:** 115mm.

| Overall Length | Order Code KEN-518 |
|---|---|
| 115mm | -4350K |

**Double Ended**
Double ended, ideal for marking out in hard to get places eg. grooves.
**Overall length:** 180mm.

| Overall Length | Order Code KEN-518 |
|---|---|
| 180mm | -4370K |

## KENNEDY Universal Hook & Pick Set

Designed for use in automotive and engineering applications. Ideal for use in the removal of O-rings, cotter pins, seals, bushes, springs and washers. Impact resistant handles. Presented in sturdy blow moulded plastic case.
**Contents;** 210mm (8") hook tip, straight tip, 90° tip 135mm (5") straight tip, hook tip, combination tip, 90° tip.

| Order Code KEN-518 |
|---|
| -2920K |

## KENNEDY Etching Pen Scriber

For marking, scoring and identification on hard and soft materials including alloy, copper, stainless steel, glass and ceramics.
**Overall length:** 180mm.

| Type | Weight each | Order Code KEN-518 |
|---|---|---|
| Fixed | 35g | -4200K |

## KENNEDY Retractable Carbide Tipped Etching Pen

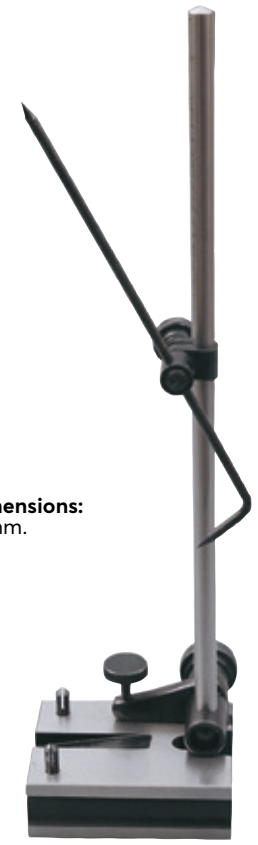
For marking and scribing in hard and soft materials including steel, plastics and timber.
**Overall length:** 180mm.

| Weight each | Order Code KEN-518 |
|---|---|
| 35g | -4220K |
| **Spare Point** | |
| 9g | -4240K |

## KENNEDY Surface Gauges

Used for marking out lines parallel to a true edge or groove, and also to mark the centre of round bars. Machined base, two pillars, a double ended scriber and an adjustable attachment for holding scribers up to ¼" diameter on to the pillar. The base has a machined V-groove for use on pipes and round bar and two frictionally held pins which are used as a guide when sliding along the true edge or groove. The angle of the pillar can be finely adjusted with the use of a knurled thumb screw. Supplied with two pillars.

**Base dimensions:**
80 x 30mm.



| Pillar Height (mm) | Order Code KEN-518 |
|---|---|
| 230 & 305 | -4300K |

## KENNEDY Miniature Hook & Pick Set

Includes straight pick, full hook, 90° hook and 45° hook. Ideal for use on cotter pins, keys, 'O' rings, springs and washers. Hardened and tempered chrome vanadium steel shanks with a knurled section for precise grip. Impact resistant square section handles for secure grip even when greasy.
**Overall length:** 120 - 130mm (4¾" - 5⅛").

| Order Code KEN-518 |
|---|
| -2900K |

## KENNEDY Flexible Pick Up Tool

4 prong steel retractable claw. Flexible steel stem with a spring loaded plunger to open and close jaws. Chrome plated and corrosion-resistant. Ideal for recovery of small objects.

| Length | Order Code KEN-518 |
|---|---|
| 600mm (24") | -4820K |
| 900mm (36") | -4840K |

# ENGINEER'S HAND TOOLS

## KENNEDY® Engineer's Scrapers

Wooden contoured handles with high grade steel blades, hardened and tempered with extremely keen cutting edges. Scrapers reduce high spots from a surface which has been previously machined or filed.

**Three Square**
Suitable for tool room and light engineering work.
Used on small bearings and bushes and into restricted/tight angles.

| Length (mm) | Width (mm) | Weight per 5 | Order Code KEN-518 |
|---|---|---|---|
| 100 | 8 | 320g | -2440K |
| 150 | 10 | 620g | -2460K |
| 205 | 15 | 1200g | -2480K |

**Flat**
For use on flat surfaces and external cylindrical surfaces.

| Length (mm) | Width (mm) | Weight per 5 | Order Code KEN-518 |
|---|---|---|---|
| 100 | 16 | 360g | -2640K |
| 150 | 19 | 650g | -2660K |
| 205 | 23 | 1300g | -2680K |

**Half Round**
For use on hollow surfaces such as bearing linings and internal cylindrical surfaces.

| Length (mm) | Width (mm) | Weight per 5 | Order Code KEN-518 |
|---|---|---|---|
| 100 | 11 | 330g | -2540K |
| 150 | 16 | 600g | -2560K |
| 205 | 16 | 1000g | -2580K |

## KENNEDY® Pin Vices

Manufactured from hardened steel. Ideal for holding drills, small files and wire. The through hole construction of the body allows lengths of wire to be held.

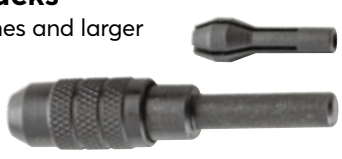
| Capacity (mm) | Length (mm) | Order Code KEN-518 |
|---|---|---|
| 0.0 - 1.00 | 83 | -1210K |
| 0.8 - 1.50 | 85 | -1220K |
| 1.3 - 3.10 | 90 | -1230K |
| 3.0 - 4.80 | 100 | -1240K |

**Pin Vice Set**
**Capacity:** 0.0 - 4.8mm.

| Order Code KEN-518 | |
|---|---|
| -1200K | 4 PIECES |

## KENNEDY® Pin Chucks

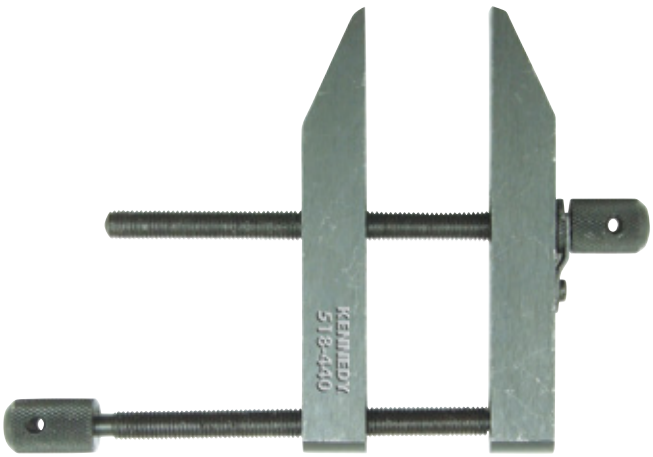
For holding small drills in lathes and larger chucks. With three collets.



| Range (mm) | Order Code KEN-518 |
|---|---|
| 0.25 - 2.5 | -1260K |

## KENNEDY® Toolmaker's Clamps

Hardened and tempered jaws with spring tension clips.




| Capacity (mm) | Length (mm) | Order Code KEN-518 |
|---|---|---|
| 32 | 51 | -4400K |
| 57 | 76 | -4410K |
| 70 | 101 | -4420K |
| 90 | 127 | -4430K |

## KENNEDY® Feeler Stock Strip

Inch sizes are 12" long, ½" wide. Millimetre sizes are furnished in 300mm lengths, 12.7mm wide. Rounded ends. Each piece marked with thickness and with convenient 3/16" (5mm) hole for hanging.

| Thickness (mm) | Order Code KEN-519 |
|---|---|
| **12.7mm x 300mm** | |
| 0.03 | -1030K |
| 0.04 | -1040K |
| 0.05 | -1050K |
| 0.06 | -1060K |
| 0.08 | -1080K |
| 0.10 | -1100K |
| 0.15 | -1150K |
| 0.20 | -1200K |
| 0.25 | -1250K |
| 0.30 | -1300K |
| 0.40 | -1400K |
| 0.50 | -1500K |
| **½" x 12"** | |
| 0.0010" | -0020K |
| 0.0015" | -0030K |
| 0.0020" | -0040K |
| 0.0025" | -0050K |
| 0.0030" | -0060K |
| 0.0040" | -0080K |
| 0.0050" | -0100K |
| 0.0060" | -0120K |
| 0.0070" | -0140K |
| 0.0080" | -0160K |
| 0.0090" | -0180K |
| 0.0100" | -0200K |
| 0.0120" | -0240K |
| 0.0150" | -0300K |
| 0.0200" | -0400K |
| 0.0250" | -0500K |

## KENNEDY® Feeler Stock Coil

- Supplied in a compact, sturdy plastic rewindable dispenser case
- Made of the finest tempered steel
- Marked every 6" or 150mm with a line, thickness in thousandths of an inch or in hundredths of a mm

| Thickness (mm) | Order Code KEN-519 |
|---|---|
| **12.7mm x 7.6m** | |
| 0.03 | -3030K |
| 0.04 | -3040K |
| 0.05 | -3050K |
| 0.10 | -3100K |
| 0.20 | -3200K |
| 0.50 | -3500K |
| **½" x 25ft** | |
| 0.0010" | -2020K |
| 0.0015" | -2030K |
| 0.0020" | -2040K |
| 0.0030" | -2060K |
| 0.0040" | -2080K |
| 0.0050" | -2100K |
| 0.0060" | -2120K |
| 0.0150" | -2300K |
| **½" x 20ft** | |
| 0.0200" | -2400K |
| 0.0250" | -2500K |

# GARDEN TOOLS

## RUTLAND™ Quality Gardening Tools Garden Spades

**Digging**
**4311K**
Deep socket
Swan neck
Wooden shaft
Polypropylene "YD" handle
**Overall length:**
1010mm

**Digging**
**4411K**
Deep socket
Swan neck
Plastic shaft
Polypropylene "YD" handle
**Overall length:**
1080mm

**Border**
**4361K**
Deep socket
Swan neck
Wooden shaft
Polypropylene "YD" handle
**Overall length:**
940mm

**CARBON STEEL**

| Order Code RTL-522 |
|---|
| -4311K |
| -4411K |
| -4361K |

## RUTLAND™ Quality Gardening Tools Stainless Steel Garden Spades

**Digging**
**2511K**
Deep socket
Swan neck
Polypropylene shaft
"YD" handle
**Overall length:**
1030mm

**STAINLESS STEEL**

**Border**
**2561K**
Deep socket
Swan neck
Polypropylene shaft
"YD" handle
**Overall length:**
910mm

| Order Code RTL-522 |
|---|
| -2511K |
| -2561K |

## RUTLAND™ Quality Gardening Tools Garden Forks

**Digging**
**4301K**
Wooden shaft and plastic handle
**Overall length:**
1010mm

**Digging**
**4401K**
Plastic shaft and handle
**Overall length:**
1080mm

**Border**
**4351K**
Wooden shaft and plastic handle
**Overall length:**
955mm

**CARBON STEEL**

| Type | Order Code RTL-522 |
|---|---|
| Digging | -4301K |
| Digging | -4401K |
| Border | -4351K |

## RUTLAND™ Quality Gardening Tools Stainless Steel Garden Forks

**Digging**
**2501K**
Deep sockets
Swan neck
Polypropylene 'YD' handle and shafts
**Overall length:**
1000mm

**STAINLESS STEEL**

**Border**
**2551K**
Deep sockets
Swan neck
Polypropylene 'YD' handle and shafts
**Overall length:**
910mm

| Type | Order Code RTL-522 |
|---|---|
| Digging | -2501K |
| Border | -2551K |

## RUTLAND Quality Gardening Tools Garden Tools

**Dutch Hoe**
**-2751K**
Stainless steel head and steel shaft
PVC grip
**Width:** 128mm
**Overall length:** 1600mm

**3-Prong Cultivator**
**-2841K**
Stainless steel head and steel shaft
PVC grip
**Width:** 90mm
**Overall length:** 1620mm

**Lawn Edging Knife**
**-2701K**
Stainless steel head and steel shaft
PVC grip
**Width:** 215mm
**Overall length:** 930mm

**STAINLESS STEEL**

| Description | Order Code RTL-522 |
|---|---|
| Lawn Edging Knife | **-2701K** |
| Dutch Hoe | **-2751K** |
| 3-Prong Cultivator | **-2841K** |

## RUTLAND CONTRACTORS TOOLS Round Shovel

- Carbon Steel with a tough epoxy coating to help against rust and soil adhesion
- Hardwood shaft and polypropylene 'YD' handle provides durability and comfort when in use

**-5591K**
**Handle Type:** YD polypropylene.
**Shaft:** hardwood.
**Blade material:** carbon steel with epoxy coating.
**Blade size:** (W)230mm x (H)300mm.
**Overall length:** 1010mm.

| Description | Order Code RTL-522 |
|---|---|
| Round Shovel | **-5591K** |

## RUTLAND Quality Gardening Tools ¼" Mesh Riddle

Made of steel mesh to provide superior durability. This 1/4" mesh riddle is used to bring soil to a suitable condition by removing large clumps to bring the soil to perfect potting condition.

| Diameter mm | Order Code RTL-522 |
|---|---|
| 360 | **-8401K** |

## RUTLAND CONTRACTORS TOOLS Square Mouth Shovels

High-tensile tubular steel construction with 'YD' handle which is designed for heavy industrial and professional use. Shovel head is finished in a tough epoxy powder coating which prevents rusting and reduces soil adhesion.

**4501K**
**Handle type:** YD polypropylene.
**Shaft:** metal.
**Blade material:** carbon steel, epoxy coated.
**Blade:** (W)245mm x (H)300mm.
**Overall length:** 965mm.

**5581K**
**Handle type:** YD polypropylene.
**Shaft:** hardwood.
**Blade material:** carbon steel, epoxy coated.
**Blade:** (W)215mm x (H)300mm.
**Overall length:** 1020mm.

**CARBON STEEL**

| Description | Order Code RTL-522 |
|---|---|
| Square Mouth Shovel | **-4501K** |
| Square Mouth Shovel | **-5581K** |

## RUTLAND™ Quality Gardening Tools Draw Hoe Stainless Steel, Steel Shaft

- Stainless Steel head and steel shaft provides greater durability
- PVC grips allows for comfort holding and precise action

| Head width | Total length | Order Code RTL-522 |
|---|---|---|
| 140mm | 1550kmms | -2771K |

## RUTLAND™ Quality Gardening Tools Garden Rake 12 Tine, Steel Rake and Shaft

- Steel rake and shaft for increased strength and durability
- PVC grip for comfort and maneuverability

| Head width | Total length | Order Code RTL-522 |
|---|---|---|
| 300mm | 1570kmms | -2801K |

## RUTLAND™ Quality Gardening Tools Country Gardening Set

**Contents:**

Hand trowel, weeding fork and bulb planter, digging spade and fork. Garden rake, dutch hoe and lawn rake all with carbon steel heads, aluminium handles and soft rubber grips. Bypass secateurs - maximum cutting diameter 25mm. Heavy duty polythene garden bag with 170ltr capacity. Heavy duty Canadian rigger gloves size 10.

**CARBON STEEL**

**11 PIECES**

| Order Code RTL-522 |
|---|
| -9100K |

## RUTLAND Quality Gardening Tools Garden Forks

**Dutch Hoe -4801K**
Carbon steel head
Aluminium shaft
Soft rubber grips
Width: 128mm
**Overall length:** 1530mm

**Draw Hoe -4821K**
Carbon steel head
Aluminium shaft
Soft rubber grips
Width: 140mm
**Overall length:** 1410mm

**Garden Rake 12 Tine -4901K**
Carbon steel rake
Aluminium shaft
Soft rubber grips
**Overall length:** 1530mm

**Garden Rake 16 Tine -4921K**
Carbon steel rake
Aluminium shaft
Soft rubber grips
**Overall length:** 1530mm

| Description | Order Code RTL-522 |
|---|---|
| Dutch Hoe | **-4801K** |
| Draw Hoe | **-4821K** |
| Garden Rake 12 Tine | **-4901K** |
| Garden Rake 16 Tine | **-4921K** |

## RUTLAND Quality Gardening Tools Square Mouth Shovel

High-tensile tubular steel construction with 'YD' handle which is designed for heavy industrial and professional use. Shovel head is finished in a tough epoxy powder coating which prevents rusting and reduces soil adhesion.
**Type:** open socket
**Handle type:** YD polypropylene.
**Shaft:** metal.
**Blade a:** carbon steel, epoxy coated.
**Blade:** (W)190mm x (H)300mm.
**Overall length:** 975mm.

**CARBON STEEL**

| Description | Order Code RTL-522 |
|---|---|
| Drainage Shovel | **-4511K** |

## RUTLAND Quality Gardening Tools 3 Piece Stainless Steel Garden Set, Wooden Handles

- Wooden Handles and stainless steel heads
- This handheld garden trowel set contains a hand trowel, a weeding fork and a graduated bulb planter
- This 3 piece garden set is ergonomically designed to provide maximum comfort and durability

| Number of Pieces | Order Code RTL-522 |
|---|---|
| 3 | **-1013W** |

# CONTRACTOR'S TOOLS

## SITESAFE Square Mouth Shovels

General purpose contractor's shovel for digging out and refilling trenches, mixing concrete and moving tarmac. All blades are hardened and tempered with an epoxy coating.

**-7770A**
**Type:** open socket.
**Handle Type:** YD polypropylene.
**Shaft:** hardwood.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)240mm x (H)310mm.
**Overall length:** 980mm.

**-7770A**

**-7780A**
**Type:** solid socket.
**Handle Type:** T wooden.
**Shaft:** hardwood.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)240mm x (H)300mm.
**Overall length:** 985mm.

**-7780A**

**-7810A**
**Type:** solid socket.
**Handle Type:** MYD metal framed.
**Shaft:** metal.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)240mm x (H)300mm.
**Overall length:** 1000mm.

**-7810A**

**-7790A**
**Type:** solid socket.
**Handle Type:** MYD metal framed.
**Shaft:** hardwood.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)240mm x (H)300mm.
**Overall length:** 980mm.

**-7790A**

| Order Code SSF-522 |
|---|
| -7770A |
| -7780A |

| Order Code SSF-522 |
|---|
| -7810A |
| -7790A |

## SITESAFE Taper Mouth Shovels

General purpose shovel with tapered blade. All blades are hardened and tempered with an epoxy coating.

**-7781B**
**Type:** solid socket.
**Handle Type:** T wooden.
**Shaft:** hardwood.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)240/ 215mm x (H)340mm.
**Overall length:** 1000mm.

**-7791B**
**Type:** solid socket.
**Handle Type:** MYD metal framed.
**Shaft:** hardwood.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)240/ 210mm x (H)310mm.
**Overall length:** 1000mm.

**-7811B**
**Type:** solid socket.
**Handle Type:** MYD metal framed.
**Shaft:** metal.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)240/ 215mm x (H)340mm.
**Overall length:** 1000mm.

**-7821B**
**Type:** solid socket.
**Handle Type:** MYD metal framed.
**Shaft:** solid fibreglass.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)255 /215mm x (H)320mm.
**Overall length:** 1000mm.

| Order Code SSF-522 |
|---|
| -7781B |
| -7791B |

| Order Code SSF-522 |
|---|
| -7811B |
| -7821B |

## SITESAFE Cable Laying Shovels

Specially designed for digging trenches for cables. Generally used in conjunction with the trenching shovel. All blades are hardened and tempered with an epoxy coating.

**-7823D**
**Type:** solid socket.
**Handle Type:** MYD metal framed.
**Shaft:** solid fibreglass.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)140mm x (H)240mm.
**Overall length:** 940mm.

**-7813D**
**Type:** solid socket.
**Handle Type:** MYD metal framed.
**Shaft:** metal.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)140 x (H)280mm.
**Overall length:** 980mm.

| Order Code SSF-522 |
|---|
| -7823D |
| -7813D |

## SITESAFE Newcastle Drainers

Traditionally recognised as the finest draining tool available. The long narrow blade makes it perfect for extending trenches in terms of width and depth. Lugs provide a greater foothold. All blades are hardened and tempered with an epoxy coating.

**-7824E**
**Type:** solid socket.
**Handle Type:** MYD metal framed.
**Shaft:** solid fibreglass.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)165/105mm x (H)405mm.
**Overall length:** 1100mm.

**-7814E**
**Type:** solid socket.
**Handle Type:** MYD metal framed.
**Shaft:** metal.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)150/90mm x (H)380mm.
**Overall length:** 1080mm.

| Order Code SSF-522 |
|---|
| -7824E |
| -7814E |

## SITESAFE Trenching Shovels

Ideal for narrow trench work like pipe and cable laying. Often used in conjunction with a cable laying shovel. All blades are hardened and tempered with an epoxy coating.

**-7812C**
**Type:** solid socket.
**Handle Type:** MYD metal framed.
**Shaft:** metal.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)190/165mm x (H)270mm.
**Overall length:** 970mm.

**-7822C**
**Type:** solid socket.
**Handle Type:** MYD metal framed.
**Shaft:** solid fibreglass.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)190/165mm x (H)280mm.
**Overall length:** 985mm.

| Order Code SSF-522 |
|---|
| -7812C |
| -7822C |

## SITESAFE General Service Shovel

- Pointed blade allows for easier penetration of soil to reduce user effort
- Blades are manufactured from carbon manganese steel that has been hardened and tempered for maximum durability
- Hardwood shaft is highly robust
- YD polypropylene handle improves user comfort and grip when wielding
- Head boasts an epoxy coating to further protect against corrosion and wear and tear

**Type:** open socket
**Handle Type:** YD polypropylene
**Shaft:** hardwood
**Blade material:** carbon-manganese steel
**Blade size:** (W)230 x (H)290mm
**Overall length:** 1000mm

| Order Code SSF-522 |
|---|
| -7776G |

## Fencing Maul

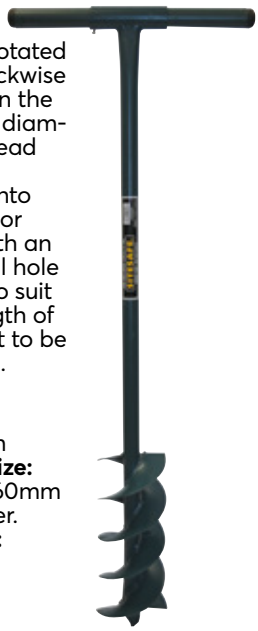
**-3810A**
The specially shaped 'over-sized' head is designed to drive home fence posts. It is fitted with a 900mm (36") hickory handle for shock resistance.
**Overall length:** 950mm.
**Head size:**
115 x 130mm diameter.
**Weight:** 5.40kg

| Order Code SSF-522 |
|---|
| -3810A |

## Post Hole Auger

**-6567C**
Provides an easy non-mechanical means of creating holes when erecting fencing posts.

When rotated in a clockwise direction the 150mm diameter thread bores a hole into the soil or clay, with an optional hole depth to suit the length of the post to be secured.
**Overall length:**
1100mm
**Blade size:**
340 x 160mm diameter.
**Weight:**
3.35kg



| Order Code SSF-522 |
|---|
| -6567C |

## Post Hole Bar - Chisel End

**-6568D**
Steel Post hole digging bar manufactured from high grade heat treated steel bar with one chisel point and one tamper head. The post hole digger has a 60mm mushroom head at one end and a bevelled chisel edge at the other. It is frequently used for digging small holes in earth.
**Overall length:** 1800mm.
**Blade size:** 230 x 60mm.
**Súly:** 8.00kg

| Order Code SSF-522 |
|---|
| -6568D |

## Post Rammer

**-6569E**
All-steel post rammer is the ideal tool for driving posts into the ground. Safer and more accurate than using a sledge or club hammer.
**Length:** 710mm (28").
**Maximum post capacity:**
150mm (6") diameter.

| Weight each | Order Code SSF-522 |
|---|---|
| 14.5kg | -6569E |

## Post Hole Diggers

Post hole diggers have a steel oval mouth shovel blade which are hinged in opposition for easy use and soil removal. A closure stop on the shafts keeps the blades in parallel when driving downward into the ground creating a neat post hole while minimising the need for backfill.

**-6565A**
**Hinged action**
**Overall length:**
1500mm.
**Blade size:**
240 x 135mm.
**Max. opening:**
150mm.

**-6566B**
**Scissor action**
**Overall length:**
1730mm.
**Blade size:**
360 x 220mm.
**Max. opening:**
550mm.

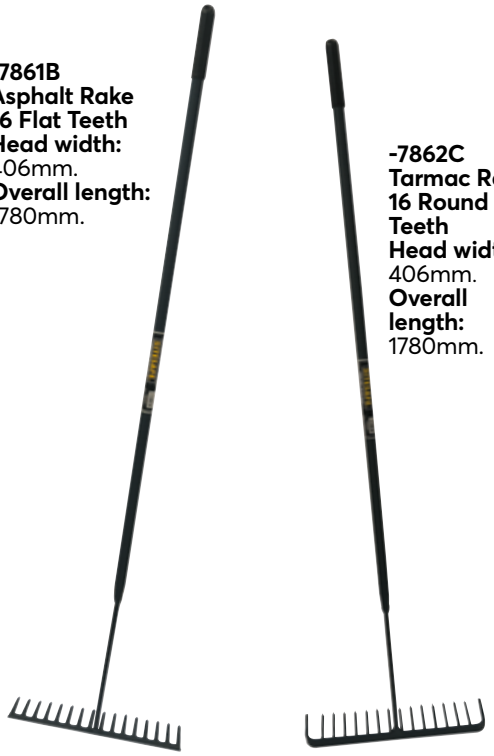
| Weight each | Order Code SSF-522 |
|---|---|
| 1.15kg | -6565A |
| 6.50kg | -6566B |

## Asphalt & Tarmac Rakes

Tubular steel handle, long tang and solid steel painted head with 16 flat teeth for evenly spreading loose stocks of tarmac and asphalt.

**-7861B**
**Asphalt Rake**
**16 Flat Teeth**
**Head width:** 406mm.
**Overall length:** 1780mm.

**-7862C**
**Tarmac Rake**
**16 Round Teeth**
**Head width:** 406mm.
**Overall length:** 1780mm.



| Rake Type | Order Code SSF-522 |
|---|---|
| Asphalt | **-7861B** |
| Tarmac | **-7862C** |

## Pick Axe Handles

Manufactured to **BS 3823**. **Overall length:** 950mm (36").
**-6511B - Economy**
Made from genuine hickory with a waxed finish.
**-6512C - Grade 1 Hickory**
Handle to fit standard pick axe or mattock eye. Hickory shaft fitted with a plastic head designed for increased grip in the eye of the pick axe or mattock head once fitted.

| Shaft Type | Order Code SSF-522 |
|---|---|
| Economy | **-6511B** |
| Hickory | **-6512C** |

## General Service Shovel

A general purpose contractor's shovel. Blades is hardened and tempered with an epoxy coating.

**S17112**
**Type:** solid socket.
**Handle**
**Type:** T wooden.
**Shaft:** hardwood.
**Blade material:** carbon-manganese steel.
**Blade size:** (W)210mm x (H)240mm.
**Overall length:** 955mm.

| Product Number | Order Code SSF-522 |
|---|---|
| 17112 | **-7787H** |

## Pick Axe Head

**-6510A**
A solid eye navy pick head with chisel and point for the breaking of concrete.

| Weight each | Order Code SSF-522 |
|---|---|
| 3.18kg (7lb) | **-6510A** |

# CONTRACTOR'S TOOLS

## SITESAFE Floor Scraper

**-3863A**
Used for removing grease and dirt from workshop floors, preparation areas and shopping arcades etc. The steel blade is designed not to damage tiled flooring or laminates. Fitted with a wooden handle.

**Overall length:** 1480mm.
**Blade size:** 210 x 100mm.
**Weight:** 1.15kg.

**Spare blades**
**-3863D**
Stainless steel to suit floor scrapers.
Five hole old type.



| Order Code SSF-522 |
|---|
| -3863A |
| -3863D |

## SITESAFE Roofing Scraper

**-7120A**
The heavy duty roofing scraper. One-piece solid steel forged blade and wooden handle.
The scraper can be re-sharpened with a hand file. Ideal for heavy duty scraping including roofing felt removal, chopping, paint removal and digging or cutting tree roots.

**Overall length:** 1640mm.
**Blade size:** 240 x 170mm.
**Weight:** 2.60kg.

| Order Code SSF-522 |
|---|
| -7120A |

## SITESAFE Earth Rammer

**-3520A**
Square head supplied with tubular steel metal shaft. Used for compacting areas of tarmac or asphalt or for tamping down backfill during the erection of fence posts.

**Overall length:** 1280mm.
**Blade size:**
130 x 130 x 25mm.
**Weight:** 4.50kg.

| Order Code SSF-522 |
|---|
| -3520A |

## RUTLAND Quality Gardening Tools Snow Shovels & Ice Breaker

Manufactured from impact resistant ABS plastic with a hard wood shaft and plastic D-grip handle. They incorporate a moulded recess in each shovel pan for easy stacking.

**Hardwood Shaft**
**Large**
**Overall length:** 465 x 370 x 1200mm and has a metal wear strip.

| Shovel Type | Order Code RTL-522 |
|---|---|
| Large | -8130K |

**Aluminium Shaft**
Lightweight aluminium shaft with a plastic sleeve and has a metal wear strip.

**Dimensions (W x D x H):**
465 x 370 x 1300mm.

**Telescopic**
This small shovel is ideal when clearing small surfaces. It is light and strong with a telescopic shaft which is perfect to be used as a car shovel.

**Dimensions (W x H):**
310 x 700 - 840mm.

| Shovel Type | Order Code RTL-522 |
|---|---|
| Telescopic | -8270K |
| Aluminium | -8290K |

## RUTLAND Quality Gardening Tools Garden Knapsack Sprayers

-4300K

Can be used for left or right handed operation. Spray lance with locking trigger and four adjustable nozzles, that clips onto handle for storage. Pressurising pump handle with grip and storage loop. Pressure release valve. Adjustable webbing shoulder straps.

**16ltr capacity**
Blow-moulded container with filter and fluid level graduations.

**20ltr capacity**
Blow-moulded container with filter and fluid level graduations long reach.

| Size | Weight each | Order Code RTL-523 |
|---|---|---|
| 16ltr | 3.50kg | **-4300K** |
| 20ltr | 4.00kg | **-4280K** |

## RUTLAND Quality Gardening Tools Pressure Sprayer

5ltr capacity blow-moulded container with fluid level graduations. Spray lance with trigger and adjustable nozzle. Pressure release valve. Adjustable webbing shoulder strap.

| Capacity | Weight each | Order Code RTL-523 |
|---|---|---|
| 5ltr | 1.11kg | **-4320K** |

## RUTLAND Quality Gardening Tools Trigger Hand Sprayer

Manufactured from polyethylene these robust trigger spray dispensers are suitable for many home and garden applications, will dispense various water based detergents, insecticides, soluble plant food, solvents and cleaning agents.

| Capacity | Weight each | Order Code RTL-523 |
|---|---|---|
| 500ml | 75g | **-4900K** |
| 740ml | 75g | **-4920K** |
| 1000ml | 75g | **-4940K** |

## RUTLAND Quality Gardening Tools Hand Sprayer

High quality hand held sprayer manufactured from ABS plastic which is both shatter-proof and frost-resistant. For use with chemicals around the garden.
**Capacity:** 1.5ltr
**Weight:** 360g

| Order Code RTL-523 |
|---|
| **-4360K** |

## RUTLAND Quality Gardening Tools Spray Gun Set

This spray gun set comprises: Six pattern spray gun with locking trigger and snap action connector, female water stop, female fitting and universal tap connector.

**Spray settings:**
- Shower.
- Centre.
- Stream.
- Flat.
- Mist.
- Full.

| Type | Weight each | Order Code RTL-523 |
|---|---|---|
| Spray Gun Set | 197g | -4200K |

## RUTLAND Quality Gardening Tools Sprayer & Hose Fittings Starter Kit - 4 Pieces

**SNS004**
- Spray settings available from jet to fan
- Snap action connector
- Compatible with Hozelock System

**Set contains (1 each):**
Nozzle, 1/2" water stop hose connector, hose end connector and universal tap connector

Order Code **RTL-523**

**-4160K**

## RUTLAND Quality Gardening Tools Pulsating Lawn Sprinkler

- Fully adjustable distance and spray pattern with full or part circle operation and a spray coverage of up to 24m²
- **Weight:** 490g

| Coverage m² | Order Code RTL-523 |
|---|---|
| 24 | -4380K |

## RUTLAND Quality Gardening Tools Chrome Spray Gun

This heavy duty spray gun has six spray patterns, is easy to control with a comfortable grip, locking trigger and snap action connector.

**Spray settings:**
- Shower
- Centre
- Stream
- Flat
- Mist
- Full

| No. Patterns | Order Code RTL-523 |
|---|---|
| 6 | -4230K |

## RUTLAND Quality Gardening Tools Spray Lance

This spray lance has a pivoting head and telescopic body, making it an invaluable asset when watering hanging baskets, window boxes etc. in any location.
The telescopic arm expands from: 90cm (36") to 135cm (53").

**Spray settings:**
- Soaker
- Shower
- Centre
- Jet
- Flat
- Mist
- Cone

| No. Patterns | Order Code RTL-523 |
|---|---|
| 7 | -4440K |

## RUTLAND Quality Gardening Tools Garden Hoses

Multi-purpose three layer braided garden hose.

**Bore size:** 13mm.
**Length:** 50m

| Order Code RTL-523 |
|---|
| -4040K |

## RUTLAND Quality Gardening Tools Plastic Watering Can

10ltr capacity with removable plastic rose.

| Capacity | Weight each | Order Code RTL-523 |
|---|---|---|
| 10ltr | 452g | -4840K |

## RUTLAND Quality Gardening Tools Hose Holder

**HT030**
A tidy solution for storage of garden hoses and fittings.
- Wall mounted
- Compact design
- **Fitting hole diameters:** 2x 13mm (1/2"), 2x 16mm (5/8")

| Hose Dia. in. | Order Code RTL-523 |
|---|---|
| 1/2 ; 5/8 | -4090K |

## RUTLAND Quality Gardening Tools Hose Pipe Connector

**HJ001**
For either mending or joining hoses

**Diameter:** 13mm (1/2")

| Hose Dia. in. | Order Code RTL-523 |
|---|---|
| 1/2 | -4480K |

## RUTLAND Quality Gardening Tools Hose End Connector

**HEC001**
- Snap action
- For connecting the end of the hose to the hose tap connector

**Diameter:** 13mm (1/2")

| Hose Dia. in. | Order Code RTL-523 |
|---|---|
| 1/2 | -4520K |

## RUTLAND Quality Gardening Tools Universal Tap Connector

**TCT001**
- Male snap action connector
- Can be attached to any tap with either a 1/2" or 3/4" BSP fitting

**Weight:** 23g

| Hose Dia. in. | Order Code RTL-523 |
|---|---|
| 1/2 ; 3/4 | -4530K |

## RUTLAND Quality Gardening Tools Double Ended Hose Pipe Connector

**SCM002**
- 2-way male connector
- Snap action
- For connecting two hoses with both female fittings on the end

**Diameter:** 13mm (1/2")

| Hose Dia. in. | Order Code RTL-523 |
|---|---|
| 1/2 | -4460K |

## RUTLAND Quality Gardening Tools Clamp-on Tap Connector

**TCC001**
- Male snap action tap
- Flexible coupler on the other end which fits most taps
- Tightened onto the tap by twisting the butterfly screw

**Weight:** 47g

| Hose Dia. in. | Order Code RTL-523 |
|---|---|
| 1/2 | -4500K |

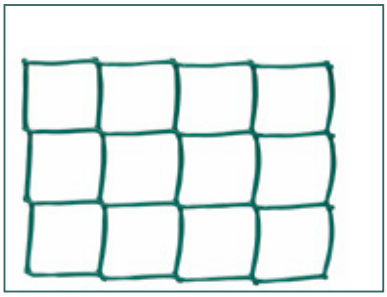
## RUTLAND Quality Gardening Tools Heavy Duty Garden Bag

170ltr capacity garden bag with a unique strengthener around the mouth and three handle design. Tough woven polyethylene fabric with tear resistant stitching for longer usage. UV treated for extra long life and stays rot-proof for years.

| Order Code RTL-523 |
|---|
| -9800K |

## RUTLAND Quality Gardening Tools Plastic Garden Fencing

Maintenance free and does not rot or rust, is strong and UV stabilised and is resistant to weed killers and fertilisers. Can be cut to size. **Size:** 1.0 x 10m.



| Roll Size | Order Code RTL-523 |
|---|---|
| 1.0 x 10m | -5300K |

## RUTLAND Quality Gardening Tools Polypropylene Bulk Bags

NEW

- Manufactured from durable polyproylene to guarantee hold under intense weight
- Supplied in a neutral white colour to suit any workplace
- Versatile in its uses and can be used to store whatever bulky items you desire
- Made from 30% recycled plastic for a more eco-friendly option
- Available in three sizes to suit your needs
- Four corner loops help to move and transport loads
- 1000kg maxiumum working load for heavy duty storage

| Overall length | Overall width | Order Code RTL-523 |
|---|---|---|
| 900mm | 900mm | -0000P |

## RUTLAND Quality Gardening Tools Multi-Purpose Black Tubs

Multi-purpose tubs made from high impact plastic with rope handles. Ideal for moving and storing household or work items, can be used both indoors and out.

-4660K

-4640K

| Capacity | Order Code RTL-523 |
|---|---|
| 40ltr | -4640K |
| 65ltr | -4660K |

## RUTLAND Quality Gardening Tools Flexible Gardening Bucket

Extremely versatile and virtually indestructible. it can be used for moving soil, garden waste, rubble and various other jobs around a garden or building site.

**Size:** 460mm diameter.

| Size | Weight each | Order Code RTL-523 |
|---|---|---|
| 42ltr | 200g | -4880K |

## KENNEDY® Camp Axe

One piece solid steel shaft with rubber grip. Supplied with protective head cover.

**Overall length:** 345mm.

| Head Size (oz/g) | Weight per 6 | Order Code KEN-525 |
|---|---|---|
| 20/566 | 6.20kg | **-9090K** |

## KENNEDY® Chopping Axe

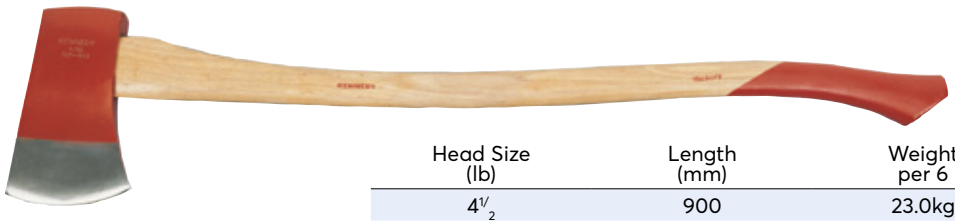
Heat treated tubular steel shaft with rubber grip. Drop forged polished and lacquered head. Supplied with protective head cover. Belt slits in head cover offering hands free storage whilst in transit.

**Overall length:** 335mm.

| Head Size (oz/g) | Weight per 6 | Order Code KEN-525 |
|---|---|---|
| 16/453 | 5.40kg | **-9110K** |

## KENNEDY® Felling Axe

Suitable for felling small trees, chopping off branches and splitting logs. High quality tool steel blade, polished and lacquered. Finely sanded hickory handle, shaped for maximum user comfort. Part painted head and handle for durability. 900mm hickory shaft. 2½" x ¾" eye.



| Head Size (lb) | Length (mm) | Weight per 6 | Order Code KEN-525 |
|---|---|---|---|
| 4½ | 900 | 23.0kg | **-9130K** |


# THE ULTIMATE AIR GRINDER FOR EVERY SPACE

Elevate your work with Kobe's ultra-compact air grinder. Designed for precision and power in tight spaces.

Ideal for grinding, polishing, and deburring, this versatile tool ensures flawless results every time. Choose Kobe for unmatched performance and redefine your standards.

**Power. Precision. Perfection.**

KOBE™

# HAMMERS

**We offer a variety of hammer types and handles to suit your needs, whether you are an engineer, metalworker, in general construction, carpenter, brickworker or upholsterer, we have a hammer to suit you.**

## SHAFT TYPES

**Fibreglass**
High resin content with continuous filament fibreglass with injected moulded outer grip. Lightweight and anti-vibration.

**Hickory**
American Hickory for general durability use and with clear lacquer finish. Ability to absorb impacts well.

**Hardwood**
Quality hardwood shaft for general use

**All Steel**
Solid one piece virtually unbreakable. With anti-slipping grip. Grip material is environment friendly and recyclable.

**Tubular Steel**
Oval shape tubular shaft Not as stong as solid steel shafts. With anti-slipping grip.

**Plastic/ Polyurethane**
Lightweight and flexible shafts

## HEAD TYPES

### Fabrication, Machinists and Metalworking
See pages 299-300, 305

**Ball Pein**

**Finishing Pick**

**Bumping**

**Machinists angled**

**Welders chipping**

### Metalworking and Workshop
See pages 301, 305-308

**Faced**

**Mallets**

### Heavy Duty Engineering & Construction
See pages 301-302

**Club/Lump**

**Sledge**

**Safe Blow**

**Safe Blow with inserted heads**

### Carpenters and Woodworking
See pages 303-304

**Claw**

**Cross Pein**

**Beechwood**

### Brickworking
See page 304

**Brick**

**Brick Scutch**

## Safety Info

Check hammers before use.
Don't use damaged heads or handles, discard and replace

Always wear safety glasses and safety gloves

**Group 960**

**Group 961**

**BS3823 BW/BR, Shafts**

Controls the density moisture content, grain twist and finish of the timber

## KENNEDY Nylon Faced Hammers - Fibreglass Shaft

- Drop forged steel
- Textured slip resistant rubber grip
- Anti vibration

| Head Weight lb | Order Code KEN-525 |
|---|---|
| ½ | -3400K |
| ¾ | -3430K |
| 1 | -3450K |
| 1½ | -3470K |
| 2 | -3500K |

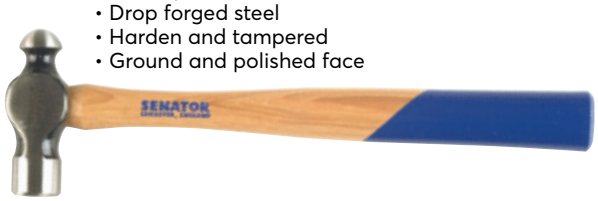
## KENNEDY Ball Pein Hammers - Hickory Shaft

- Drop forged steel • Ground and polished face
- Crack tested
- **BS 876: 1995**

| Head Weight lb | Order Code KEN-525 |
|---|---|
| ¼ | -3020K |
| ½ | -3050K |
| ¾ | -3070K |
| 1 | -3100K |
| 1½ | -3150K |
| 2 | -3200K |
| 2½ | -3250K |

## SENATOR QUALITY TOOLING Ball Pein Hammers - Hardwood Shaft

- Hickory Shaft
- Drop forged steel
- Harden and tampered
- Ground and polished face




| Head Weight g | Head Weight oz. | Overall Length mm | Order Code SEN-525 |
|---|---|---|---|
| 226 | 8 | 300 | -2050K |
| 450 | 16 | 350 | -2100K |
| 680 | 24 | 400 | -2150K |
| 907 | 32 | 400 | -2200K |

## KENNEDY Pin-Ball Pein Hammer - Hickory Shaft

- Drop forged steel head
- Harden and tampered with polished face
- Head Weight: 4oz
- Overall length: 325mm

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 4 | -8050K |

## KENNEDY Finishing Pick - Hickory Shaft

- Highly polished striking heads and cheeks with crowned faces
- Ideal for removing low spots when metal finishing
- For general use where access is difficult
- Length: 325mm
- **BS 4114**

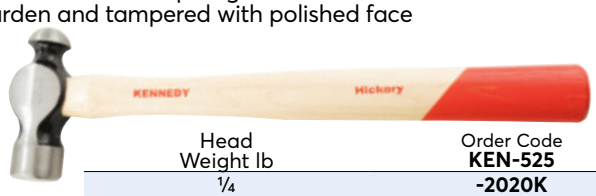
| Head Weight g | Order Code KEN-525 |
|---|---|
| 295 | -7320K |

## SENATOR QUALITY TOOLING Curved Claw Hammer, Fibreglass Handle

| Head weight | Total length | Order Code SEN-525 |
|---|---|---|
| 450g | 330mm | -4460K |

## KENNEDY Ball Pein Hammers - Hickory Shaft

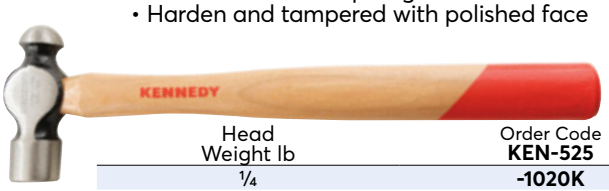
- Head material: Drop forged steel
- Harden and tampered with polished face




| Head Weight lb | Order Code KEN-525 |
|---|---|
| ¼ | -2020K |
| ½ | -2050K |
| ¾ | -2070K |
| 1 | -2100K |
| 1½ | -2150K |
| 2 | -2200K |
| 2½ | -2250K |

## KENNEDY Ball Pein Hammers - Hardwood Shaft

- Head material: Drop forged steel
- Harden and tampered with polished face




| Head Weight lb | Order Code KEN-525 |
|---|---|
| ¼ | -1020K |
| ½ | -1050K |
| ¾ | -1070K |
| 1 | -1100K |
| 1½ | -1150K |
| 2 | -1200K |
| 2½ | -1250K |
| 3 | -1300K |

## KENNEDY Ball Pein Hammer - Tubular Steel Shaft

- Slip resistant rubber grip
- Face diameter: 25mm
- Length: 320mm

| Head Weight lb | Order Code KEN-525 |
|---|---|
| 1 | -3650K |

## KENNEDY Straight Finishing Pick - Hickory Shaft

- Face diameter: 40mm
- Medium weight for general use
- Length: 325mm
- **BS 4114**

| Head Weight g | Order Code KEN-525 |
|---|---|
| 295 | -7330K |

# HAMMERS

## KENNEDY Round Finishing Pick - Hickory Shaft

- Face diameter: 40mm
- Crowned face to remove high spots
- Length: 325mm
- **BS 4114**

| Head Weight g | Order Code KEN-525 |
|---|---|
| 265 | -7340K |

## KENNEDY Flat Face Bumping Hammer - Hickory Shaft

- Highly polished striking heads and cheeks
- One square and one round face
- Flat Faced 38mm/Crowned Face 40mm
- Length: 325mm

| Head Weight g | Order Code KEN-525 |
|---|---|
| 340 | -7250K |

## KENNEDY Bumping Hammer - Hickory Shaft

- Highly polished striking heads and cheeks
- One flat square and one round crowned face
- Crowned Face 40mm/Flat Faced 38mm
- Length: 325mm

| Head Weight g | Order Code KEN-525 |
|---|---|
| 340 | -7260K |

## KENNEDY Shrinking Hammers - Hickory Shaft

- Highly polished striking heads and cheeks
- One flat round face and one milled, serrated square face
- **BS4114**

| Head Weight g | Order Code KEN-525 |
|---|---|
| 320 | -7280K |
| 390 | -7290K |

## KENNEDY Reverse Curve Finishing Hammer - Hickory Shaft

- Highly polished striking heads and cheeks
- High crowned radius face with convex surface
- The short head is ideal for use in confined areas
- Length: 325mm

| Head Weight g | Order Code KEN-525 |
|---|---|
| 320 | -7310K |

## KENNEDY Machinist's Hammers - Hickory Shaft

- Suitable for use on metal • **DIN 1041**

| Head Weight kg | Order Code KEN-525 |
|---|---|
| 0.5 | -7420K |
| 0.8 | -7440K |
| 1.0 | -7460K |
| 1.5 | -7470K |
| 2.0 | -7480K |

## KENNEDY Welder's Chipping Hammer

- Spring Steel Shaft
- Hardened and tempered steel head
- Chisel edge and striking point
- Epoxy coating

| Head Weight oz. | Overall Length mm | Order Code KEN-525 |
|---|---|---|
| 7 | 280 | -7220K |

## KENNEDY Welder's Chipping Hammer - Hardwood Shaft

- Used in boiler de-scaling, chipping and weld dressing
- Chisel and point striking faces
- Using tempered and hardened steel
- Overall length: 290mm

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 12 | -7120K |

## HEAVY DUTY ENGINEERING AND CONSTRUCTION

### KENNEDY Club Hammers - Fibreglass Shaft

- Textured slip resistant rubber grip
- Fully forged and heat treated with flat face and chamfered edge
- Anti vibration

| Head Weight lb | Order Code KEN-525 |
|---|---|
| 2½ | -5720K |
| 3 | -5740K |
| 4 | -5760K |

### KENNEDY Club Hammers - Hickory Shaft

- Drop forged steel head, hardened and tempered
- Face is flat with chamfered edge
- Overall length: 265mm
- **BS 876 : 1981**

| Head Weight lb | Order Code KEN-525 |
|---|---|
| 2½ | -5450K |
| 3 | -5500K |
| 4 | -5600K |

### KENNEDY Club Hammers - Hickory Shaft

- Drop forged steel head, hardened and tempered with polished face

| Head Weight lb | Order Code KEN-525 |
|---|---|
| 2½ | -5250K |
| 3 | -5300K |
| 4 | -5400K |

## METALWORKING AND WORKSHOP

### SENATOR QUALITY TOOLING Nylon Faced Hammers Stick - Hickory Shaft

- Soft faced for use where steel hammers would mark the surface
- **Overall length:** 343mm
- **Head diameter:** 54mm

| Head Weight g | Head Dia. mm | Order Code SEN-525 |
|---|---|---|
| 16 | 55 | -9160K |

### KENNEDY Rubber Mallets - Hickory Shaft

- Soft faced for use where steel hammers would mark the surface
- Provide a gentle but firm blow with little rebound
- All-purpose mallet

| Head Weight g | Head Dia. mm | Order Code KEN-525 |
|---|---|---|
| 16 | 55 | -9160K |
| 24 | 65 | -9180K |

# HAMMERS



## HEAVY DUTY ENGINEERING AND CONSTRUCTION

### KENNEDY® Sledge Hammers - Fibreglass Shaft

- Fully forged and heat treated with polished faces
- **BS 876: 1981**

| Head Weight lb | Order Code KEN-525 |
|---|---|
| 4 | **-5840K** |
| 7 | **-6180K** |
| 10 | **-6190K** |
| 14 | **-6200K** |

### KENNEDY® Sledge Hammers - Hickory Shaft

- Fully forged and heat treated with polished faces
- **BS 876: 1981**

| Head Weight lb | Length mm | Order Code KEN-525 |
|---|---|---|
| 7 | 900 | **-6270K** |
| 10 | 900 | **-6300K** |
| 14 | 900 | **-6340K** |

### KENNEDY® Sledge Hammers - Hickory Shaft

- Fully forged and heat treated with polished faces

| Head Weight lb | Order Code KEN-525 |
|---|---|
| 4 | **-5940K** |
| 7 | **-6070K** |
| 10 | **-6100K** |
| 14 | **-6140K** |

### KENNEDY® SafeBlower™ Hammers - Steel Shaft

- 'Shot filled' polyurethane head
- Reducing rebound whilst adding to the force of the blow

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 14 | **-9420K** |
| 20 | **-9440K** |
| 28 | **-9460K** |
| 38 | **-9480K** |
| 45 | **-9500K** |

## CARPENTERS AND WOODWORKING

### KENNEDY® Curved Claw Hammers - Fibreglass Shaft

- Textured slip resistant rubber grip
- Drop forged steel head with smooth face
- Overall length: 330mm
- Anti vibration

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 16 | -4460K |
| 20 | -4480K |

### KENNEDY® Curved Claw Hammers - Hardwood Shaft

- Drop forged steel head with smooth face
- Length: 325mm

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 16 | -4060K |
| 20 | -4100K |

### KENNEDY® Curved Claw Hammers - All Steel Shaft

- Slip resistant rubber grip
- Drop forged steel head
- Length: 315mm

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 16 | -4420K |
| 20 | -4430K |

### KENNEDY® Curved Claw Hammers - Hickory Shaft

- Forged steel head with smooth face

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 16 | -4160K |
| 20 | -4200K |
| 24 | -4240K |

### SENATOR QUALITY TOOLING Curved Claw Hammer

- Hardwood Shaft
- For general purpose carpentry
- Drop forged steel head and hardened and tempered face
- Head weight: 16oz
- Length: 330mm

| Head Weight oz | Order Code SEN-525 |
|---|---|
| 16 | -4060K |

### KENNEDY® Curved Claw Hammers - Tubular Steel Shaft

- Slip resistant rubber grip
- Drop forged steel head
- Overall length: 325mm

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 16 | -4360K |
| 20 | -4400K |

# HAMMERS



## CARPENTERS AND WOODWORKING

### KENNEDY Curved Claw Hammers - Hardwood Shaft

- Shaped to comfortably fit in the hand
- Forged steel head with ground and polished face

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 3½ | -8040K |
| 8 | -8080K |
| 10 | -8100K |
| 12 | -8120K |
| 14 | -8140K |

## BRICKWORKING

### KENNEDY Curved Claw Hammer - Hickory Shaft

- For setting, dressing and splitting bricks, tiles, concrete etc
- With fine grain and forged steel head
- Length: 300mm

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 24 | -7060K |

### KENNEDY Brick Hammer - Tubular Steel Shaft

- Textured slip resistant rubber grip
- For setting, and dressing and splitting bricks, tiles, concrete blocks, chipping mortar etc
- Head size: 20oz
- Length: 290mm

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 20 | -7070K |

## UPHOLSTERY

### KENNEDY Magnetic Upholster - Hickory Shaft

- For holding and driving tacks
- Overall length: 273mm

| Head Weight oz | Order Code KEN-525 |
|---|---|
| 7 | -7550K |

## FABRICATION, MACHINISTS & METALWORKING

### Bossing - Pear Shaped Mallets - Wooden Shaft

- Polythene mallet heads, suitable for high impact applications.

| Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|
| 200 | 50 | -0378S |
| 280 | 60 | -0379V |
| 395 | 70 | -0380B |

### Hammer Tinmens - Cylindrical Mallets - Wooden Shaft

- Polythene mallet heads, suitable for high impact applications.

| Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|
| 180 | 40 | -0370A |
| 240 | 45 | -0371C |
| 320 | 50 | -0372E |
| 480 | 60 | -0373G |
| 610 | 70 | -0374J |
| 950 | 80 | -0375L |

## METALWORKING AND WORKSHOP

### Nylon Faced Hammers Stick - Polypropylene shaft

- Two screw-on all purpose striking faces
- Chrome plated head
- Soft feel dual material grip
- Overall length: 305mm

| Head Weight g | Face Dia. mm | Order Code KEN-527 |
|---|---|---|
| 435 | 32 | -3040K |
| 627 | 38 | -3060K |
| 800 | 44 | -3080K |
| 9020 | 50 | -3100K |

### Super Plastic Hammers - Wooden Shaft

- Malleable iron head
- Fitted with two white high molecular weight polythene striking faces for high impact applications

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 18-908 | 270 | 25 | -0400A |
| 18-910 | 590 | 32 | -0401B |
| 18-912 | 790 | 38 | -0402C |
| 18-914 | 790 | 44 | -0403D |
| 18-916 | 790 | 50 | -0404E |
| 18-922 | 1300 | 70 | -0405F |

### Hammer Standard Rubber Mallets - Wooden Shaft

- All purpose mallet used widely for automotive, industrial, DIY and camping etc.

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 61-952 | 310 | 54 | -0431P |
| 61-953 | 550 | 64 | -0432Q |
| 61-954 | 800 | 75 | -0433R |
| 61-957 | 1200 | 90 | -0434S |

# HAMMERS

## Nylon Face Hammers - Wooden Shaft

**Thorex**

- Chrome plated head
- Wooden shaft handle
- Two screw on nylon striking faces

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 12-708N | 250 | 25 | -0320N |
| 12-710N | 385 | 32 | -0321P |
| 12-712N | 570 | 38 | -0322Q |
| 12-714N | 760 | 44 | -0323R |
| 12-716N | 1230 | 50 | -0324S |
| 12-720N | 2200 | 63 | -0325T |

## Nylon Face Hammers - Plastic Shaft

**Thorex**

- Chrome plated head with two screw on nylon striking faces

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 11-710 | 445 | 32 | -0203D |
| 11-712 | 650 | 38 | -0205F |
| 11-714 | 850 | 44 | -0207H |
| 11-716 | 1230 | 50 | -0208S |

## Plastic Face Hammers - Wooden Shaft

**Thorex**

- Chrome plated head
- Two screw on medium hardness plastic striking faces
- Non-slip textured PVC grip

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 07-406 | 150 | 19 | -0200A |
| 07-408 | 250 | 25 | -0201B |

## Plastic Face Hammers - Plastic Shaft

**Thorex**

- Chrome plated head
- Two screw on medium hardness plastic striking faces
- With non-slip textured PVC grip

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 07-410 | 450 | 32 | -0202C |
| 07-412 | 675 | 38 | -0204E |
| 07-414 | 900 | 44 | -0206G |
| 07-416 | 1250 | 50 | -0208J |

## Aluminium Faced Hammers - Wooden Shaft

- Malleable iron head
- Two ductile aluminium faces

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 05-A308 | 300 | 25 | -0500A |
| 05-A310 | 630 | 32 | -0501B |
| 05-A312 | 920 | 38 | -0502C |
| 05-A314 | 1440 | 44 | -0503D |
| 05-A316 | 2100 | 50 | -0504E |

## Hammer Rawhide Soft Faced Hammers - Wooden Shaft

- Malleable iron head
- Two Rawhide manufactured from genuine water buffalo hide

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 01-008 | 10 | 25 | -0100A |
| 01-010 | 21 | 32 | -0101B |
| 01-012 | 28 | 38 | -0102C |
| 01-014 | 43 | 44 | -0103D |
| 01-016 | 67 | 50 | -0104E |
| 01-022 | 115.5 | 70 | -0105F |
| 01-022L | 137.5 | 70 | -0106G |

## Thor Hammer Copper Soft Faced Hammers - Wooden Shaft

- Malleable iron head
- Two pure electrolytic copper faces

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 04-308 | 425 | 25 | -0160G |
| 04-310 | 830 | 32 | -0161H |
| 04-312 | 1260 | 38 | -0162J |
| 04-314 | 1940 | 44 | -0163K |
| 04-316 | 2830 | 50 | -0164L |
| 04-316WT | 2830 | 50 | -0164T |
| 04-317 | 3350 | 50 | -0165M |
| 04-322 | 6000 | 70 | -0167P |

## Thor Hammer Rawhide and Copper Faced Hammers - Wooden Shaft

- Malleable iron head
- Rawhide and pure electrolytic copper striking face

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 03-208 | 12.5 | 25 | -0150A |
| 03-210 | 25 | 32 | -0151B |
| 03-212 | 37 | 38 | -0152C |
| 03-214 | 56.5 | 44 | -0153D |
| 03-216 | 84 | 50 | -0154E |
| 03-222 | 176 | 70 | -0155F |

## White Rubber Mallets - Wooden Shaft

- Will not leave marks on work surfaces.
- Suitable for woodworking, window frame manufacturers, shop fitters and car trim etc.

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 61-952W | 375 | 54 | **-0446E** |
| 61-953W | 675 | 64 | **-0448G** |
| 61-954W | 970 | 75 | **-0450J** |
| 61-957W | 1450 | 90 | **-0452L** |

## Hammer Solid Copper Mallet - Plastic Shaft

- **Head material:** Copper
- **Overall length:** 310mm

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 24-5704 | 930 | 38 | **-0479L** |

## Dead Blow Hammers - Aluminium Alloy Shaft

- Hollow die cast head partially filled with steel shot
- Shock absorbent non-slip rubber grip
- Supplied with two screws in replaceable white nylon faces

| Product No. | Head Weight g | Head Dia. mm | Order Code THO-527 |
|---|---|---|---|
| 20-1010 | 550 | 32 | **-0455M** |
| 20-1212 | 700 | 38 | **-0456N** |
| 20-1414 | 900 | 44 | **-0457P** |
| 20-1616 | 1150 | 50 | **-0458Q** |
| 20-2020 | 1850 | 63 | **-0459R** |

## Thor Hammer Cylindrical Hardwood Mallets - Wooden Shaft

- Compressed and laminated wooden mallet head with flush fitting fibreglass hoops to prevent the head from splitting.

| Product No. | Head Dia. mm | Order Code THO-527 |
|---|---|---|
| 62-8050 | 50 | **-0341B** |
| 62-8060 | 54 | **-0342C** |
| 62-8070 | 67 | **-0343D** |

## Hammer Rawhide Mallets - Wooden Shaft

- **Head material:** Copper
- **Overall length:** 310mm

| Product No. | Head Dia. mm | Order Code THO-527 |
|---|---|---|
| 02-108 | 25 | **-0130G** |
| 02-110 | 32 | **-0131H** |
| 02-112 | 38 | **-0132J** |
| 02-114 | 44 | **-0133K** |
| 02-116 | 50 | **-0134L** |
| 02-120 | 63 | **-0135M** |

## Size 2 Copper and Hide Hammer

- Delivers a heavy blow accurately and firmly
- Faces are one piece moulded and designed to wear for easy replacement
- Copper face gives a high impact blow whilst the hide face offers non marking forces
- Robust wooden handle allows the user to wield the product comfortably
- Replacement Copper Face ref 71-312C
- Replacement Hide Face ref 70-12R

| Head Dia. (mm) | Head Weight (g) | Order Code THO-527 |
|---|---|---|
| 32 | 775 | **-0157R** |
| 38 | 1080 | **-0158D** |

## Copper Faced Hammer

- Double faced design gives the product twice the longevity
- Solid wooden handle is highly durable and allows the user to effectively deliver firm blow
- Faces are designed to be replaced when worn
- Impact resistant striking faces ensure minimal damage is done to the workpiece whilst also minimising rebound and noise pollution

| Head Dia. (mm) | Head Weight (g) | Order Code THO-527 |
|---|---|---|
| 50 | 2920 | **-0164N** |
| 44 | 1975 | **-0173F** |

# HAMMERS



## Aluminium & Plastic Hammers

- Constructed with one plastic and one aluminium face, with a malleable iron head, to give a safe but high-impact blow
- The plastic face provides high impact, durability and high abrasion resistance
- Fitted with a plastic handle which provides a secure grip, excellent head to handle security and shock absorbing qualities
- Faces are designed to wear and can be replaced

| Head Weight (g) | Head Diameter (mm) | Total Length (mm) | Order Code THO-527 |
|---|---|---|---|
| 650 | 32 | 305 | **-0190A** |
| 900 | 38 | 305 | **-0192C** |

## Aluminium Faced Hammers

Malleable iron head fitted with solid shaft and two ductile aluminium faces.

| Face Ø (mm) | Length (mm) | Weight each (g) | Order Code THO-527 |
|---|---|---|---|
| 70 | 915 | 4250 | **-0507H** |

## Wood Shaft Copper Mallets

Ideal for positive blows on highly finished or closely ground machined parts throughout the Aircraft, Automotive or Shipping Industries.

| Head Weight (g) | Head Diameter (mm) | Total Length (mm) | Order Code THO-527 |
|---|---|---|---|
| 250 | 25 | 250 | **-0477J** |
| 1320 | 44 | 325 | **-0480M** |

## KENNEDY 30cm Schonhammer with Two Hammer Heads

**NEW**

- Replaceable hammerheads for versatile use in multiple applications
- Patented locking system enhances safety and working environment
- Shock and spark-resistant hammerheads for increased safety
- Well-balanced handle for improved control and comfort
- Weather-resistant and easy to clean for longevity and maintenance ease

| Number of Pieces | Overall Length (mm) | Order Code KEN-527 |
|---|---|---|
| 3 | 300 | **-3539N** |

### Replacement Hammerheads

| Face Hardness | Face Material | Order Code KEN-529 |
|---|---|---|
| Soft | TPE | **-1437Z** |
| Medium Soft | TPE | **-1438A** |
| Extra Hard | Plastic | **-1438B** |
| Extra Hard | Nylon | **-1438C** |
| Soft | Brass | **-1438D** |

## KENNEDY Pro™ Replaceable Hard Nylon Faces

- All purpose face suitable light and heavy duty applications
- To suit nylon faced hammers and safeblow hammers



| Face Dia. mm | Order Code KEN-529 |
|---|---|
| 32 | -3040K |
| 38 | -3060K |
| 44 | -3080K |
| 50 | -3100K |

## THOR Spare Rubber Faces

- Spare striking faces for the Junior Rubber Faced Hammer (THO-527-0550D).

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 75-612SF | 40 | -0282R |

## THOR Spare Faces - Super Plastic

- For malleable iron head hammers and split head hammers

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 77-908SPF | 25 | -0411G |
| 77-910SPF | 32 | -0412H |
| 77-912SPF | 38 | -0413J |
| 77-914SPF | 44 | -0414K |
| 77-916SPF | 50 | -0415L |
| 77-922SPF | 70 | -0416M |

## THOR Hammer Spare Screw-on Faces

**For Thorex nylon faced and Thorace hammers.**
Easy to change, simply screw in. Faces are colour coded to allow easy identification of material type and hardness.

- Nylon: For malleable iron head hammers and split head hammers
- Orange: polyurethane plastic medium hardness shore D45-55
- Yellow: ABS extra hard rockwell R103. For specia applications
- White: Hard nylon shore D61-65. All purpose face suitable for light and heavy duty applications
- Brown: Tough polyurethane shore D58-62. Abrasive resistant suitable for striking sharp surfaces
- Grey: Soft PVC shore A63-73. Will not mark finished surfaces
- Red: Polyurethane medium plastic shore D45-55. For light hammering applications.

### Spare Faces - Nylon

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 76-125NF | 32 | -0125L |
| 76-150NF | 38 | -0126M |
| 76-175NF | 44 | -0127N |
| 76-200NF | 50 | -0128P |
| 76-275NF | 70 | -0129R |

### Spare Faces - Nylon

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 73-408AF | 25 | -0216L |
| 73-410AF | 32 | -0219P |

### Spare Screw-on Faces - White

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 76-708NF | 25 | -0335A |
| 76-710NF | 32 | -0336B |
| 76-712NF | 38 | -0337C |
| 76-714NF | 44 | -0338D |
| 76-716NF | 50 | -0339E |
| 76-720NF | 63 | -0340F |

### Spare Screw-on Faces - Brown

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 76-710TF | 32 | -0361B |
| 76-712TF | 38 | -0362C |
| 76-714TF | 44 | -0363D |
| 76-716TF | 50 | -0364E |
| 76-720TF | 63 | -0365F |

### Spare Screw-on Faces - Grey

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 76-708VF | 25 | -0380M |
| 76-710VF | 32 | -0381N |
| 76-712VF | 38 | -0382P |
| 76-714VF | 44 | -0383Q |
| 76-716VF | 50 | -0384R |

### Spare Screw-on Faces - Red

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 76-708PF | 25 | -0340K |
| 76-710PF | 32 | -0340M |
| 76-712PF | 38 | -0340P |
| 76-714PF | 44 | -0340R |
| 76-716PF | 50 | -0340X |

**Thorex nylon range only**

### Spare Screw-on Plastic Faces - Orange

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 73-406PF | 19 | -0215K |
| 73-408PF | 25 | -0217M |
| 73-410PF | 32 | -0220Q |
| 73-412PF | 38 | -0223T |
| 73-414PF | 44 | -0226X |
| 73-416PF | 50 | -0230A |

### Spare Screw-on Faces - Yellow

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 76-710AF | 32 | -0321B |
| 76-712AF | 38 | -0322C |
| 76-714AF | 44 | -0323D |
| 76-716AF | 50 | -0324E |

# HAMMERS

## Hammer Spare Faces - Aluminium

• For malleable iron head hammers and split head hammers

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 72-310AF | 32 | **-0141E** |
| 72-312AF | 38 | **-0142F** |

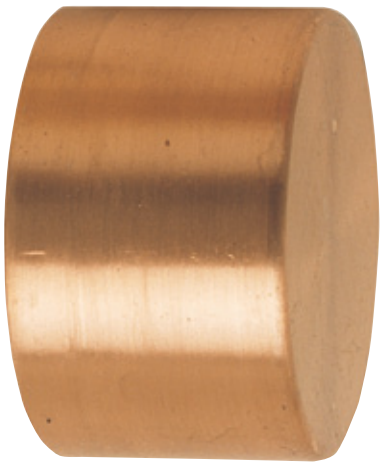
## Hammer Spare Faces - Rawhide

• For malleable iron head hammers and split head hammers

| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 70-08R | 25 | **-0115A** |
| 70-10R | 32 | **-0116B** |
| 70-12R | 38 | **-0117C** |
| 70-14R | 44 | **-0118D** |
| 70-16R | 50 | **-0119E** |
| 70-22R | 70 | **-0120F** |

## Hammer Spare Faces - Copper

• For malleable iron head hammers and split head hammers

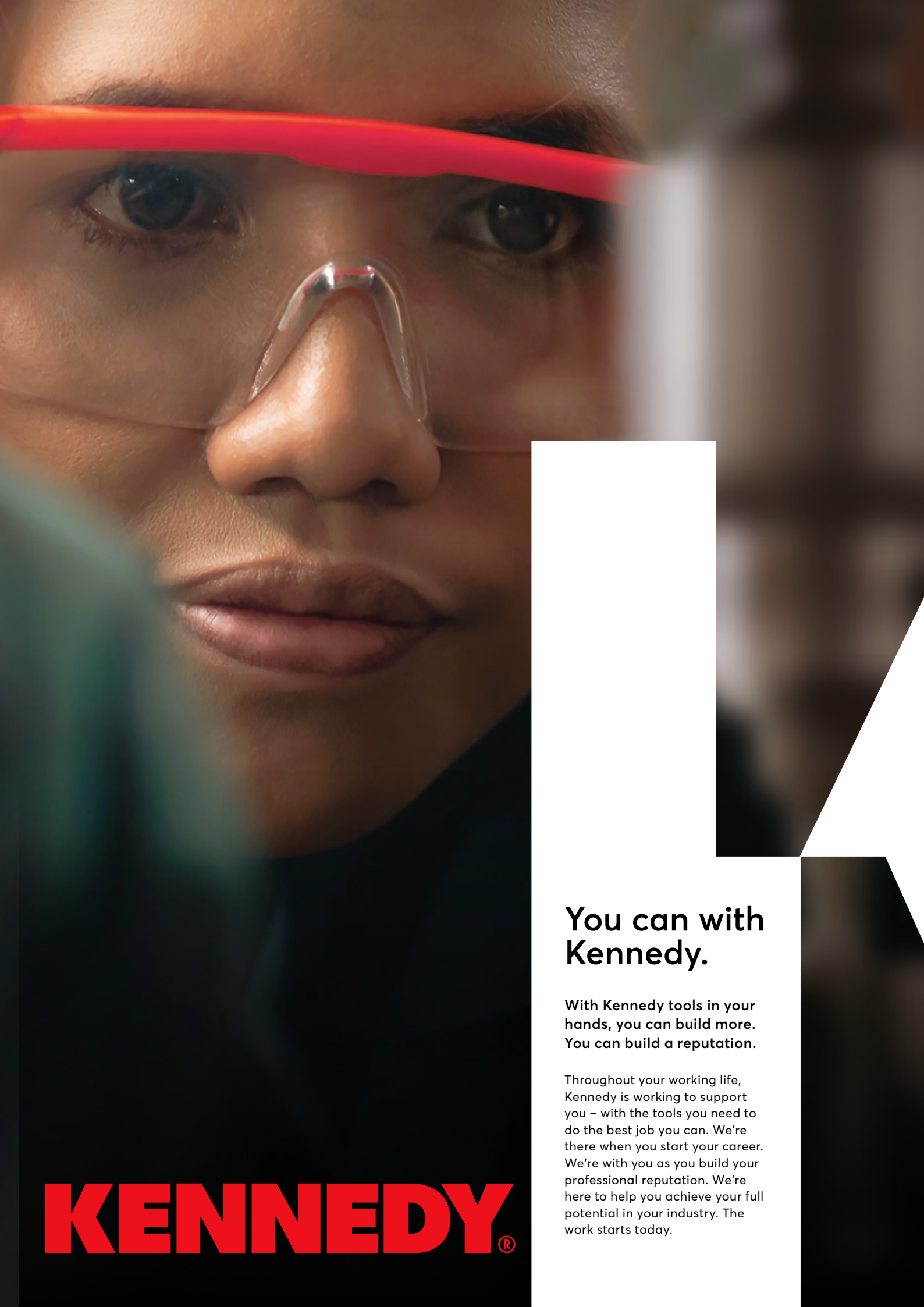


| Product No. | Face Dia. mm | Order Code THO-529 |
|---|---|---|
| 71-308C | 25 | **-0171N** |
| 71-310C | 32 | **-0172P** |
| 71-312C | 38 | **-0173Q** |
| 71-314C | 44 | **-0174R** |
| 71-316C | 50 | **-0175S** |
| 71-322C | 70 | **-0176T** |

## Spare Striking Faces

For the Thorex nylon faced hammers. Easy to change, simply screw in. The striking faces are colour coded to allow easy identification of material type and hardness.

| Product Number | Face Ø (mm) | Weight Per 10 | Order Code THO-529 |
|---|---|---|---|
| | | **Grey - Soft** | |
| 73-410AF | 32 | 25g | **-0221R** |



# You can with Kennedy.

**With Kennedy tools in your hands, you can build more. You can build a reputation.**

Throughout your working life, Kennedy is working to support you – with the tools you need to do the best job you can. We're there when you start your career. We're with you as you build your professional reputation. We're here to help you achieve your full potential in your industry. The work starts today.

KENNEDY®

# HAMMER SHAFTS



## KENNEDY® Hammer Shafts

Made from genuine hickory with a waxed finish.
Manufactured to **BS 3823**.

**Pick Axe - Hickory**

| Length (mm) | For Head Weight | Weight each | Order Code KEN-530 |
|---|---|---|---|
| 920 | 8.5lb | 950g | **-3600K** |

**Pick Axe - Economy**

| Length (mm) | For Head Weight | Weight each | Order Code KEN-530 |
|---|---|---|---|
| 920 | 8.5lb | 950g | **-3610K** |

## KENNEDY® Sledge Hammer Shafts

- Made from Grade 'A' hickory with a waxed finish
- **BS 3823**

| Head Weight lb | Length Inch | Order Code KEN-530 |
|---|---|---|
| 4 | 24 | **-2240K** |
| 7 | 30 | **-2300K** |
| 10/14 | 36 | **-2360K** |

## KENNEDY® Club Hammer Shaft

- Hickory shaft with a waxed finish
- Replacement club hammer shaft
- Also suitable for hammers with a similar eye such as: Scutch, Walling, Brick and Masons
- **BS 3823**

| For Head Weight lb | Order Code KEN-530 |
|---|---|
| 2½ - 4 | **-1100K** |

## KENNEDY® Claw Hammer Shafts

- Hickory
- Waxed finish
- Suitable for claw hammers with a rectangular shaped eyes
- **B3823**

| Head Weight oz | Order Code KEN-530 |
|---|---|
| 13 to16 | **-3130K** |
| 20 to 24 | **-3140K** |

## KENNEDY® Standard Hammer Shafts

- Hickory
- Waxed finish
- Suitable for claw hammers with a rectangular shaped eyes
- **B3823**

| Head Weight lb | Order Code KEN-530 |
|---|---|
| ¼ | **-0110K** |
| ½ | **-0120K** |
| 1 | **-0130K** |
| 1½ | **-0150K** |
| 2 | **-0160K** |
| **3** | **-0180K** |

## KENNEDY® Hammer Wedges

- Manufactured from high grade steel

| Head Weight oz | Wedge Size | Order Code KEN-530 |
|---|---|---|
| up to 12oz | Size 1 | **-4510K** |
| 14oz to 2½lb | Size 2 | **-4520K** |
| 3lb to 7lb | Size 3 | **-4530K** |
| 10lb to 28lb | Size 4 | **-4540K** |
| Above 28lb | Size 5 | **-4550K** |

## KENNEDY Pro™ File Handles

Polypropylene file handles with integral hanging hole and covered with a ribbed rubber grip for increased purchase and added comfort.

**Available in three sizes:** 0, 1 and 2.

| Size | Suitable File Length (mm) | Order Code KEN-531 |
|---|---|---|
| No. 0 | 100 - 150 | **-5000K** |
| No. 1 | 200 - 250 | **-5010K** |
| No. 2 | 300 - 400 | **-5020K** |

## KENNEDY® Moulded Plastic File Handles

- Contoured grip improves user comfort and control
- Manufactured from durable plastic for overall resilience and product longevity
- Possesses a hanging hole for ease of storage
- Bright orange colour improves visibility and ensures you do not lose the product when on a busy site

| Handle Length mm | Size | File Length in. | Order Code KEN-531 |
|---|---|---|---|
| 110 | 1 | 8"-10" | **-5940K** |

## KENNEDY® Standard Wooden File Handles

Suitable for traditionally tanged engineer's files. With steel ferrule.

| Handle Length | Suitable File Length | Weight each | Order Code KEN-531 |
|---|---|---|---|
| 75mm | 4" - 6" | 20g | **-5300K** |
| 100mm | 8" | 25g | **-5400K** |
| 125mm | 10" | 45g | **-5500K** |
| 150mm | 12" - 16" | 60g | **-5600K** |

# DECORATING TOOLS

## KENNEDY® Short & Long Handled Wall Scrapers

Wall scrapers that help remove wall coverings, paint, floor and wall tiles more easily. The blunt side of the blade is useful for stripping off paint, removing wall coverings and tiles, whilst the sharp edge will easily remove paint from glass. Blades are easily changed and replaced.

| Type | Overall length | Weight each | Order Code **KEN-533** |
|---|---|---|---|
| Short | 200mm | 140g | **-0580K** |
| Long | 315mm | 160g | **-0600K** |
| 100mm Scraper Blades (Pk 10) | | 65g | **-0620K** |

## SENATOR QUALITY TOOLING President Decorator's Tools

High carbon, clear lacquered steel blades with quality wooden handles and half tang fixing. Suitable for general duty and household use.

**Scrapers (Half Tang)**

**Filling Knives (Half Tang)**

| Blade Length x Width (mm) | Weight per 12 | Order Code **SEN-533** |
|---|---|---|
| **Scrapers (Half Tang)** | | |
| 100 x 140 | 1.50kg | **-1700K** |
| 100 x 100 | 1.20kg | **-1720K** |
| 90 x 75 | 1.10kg | **-1740K** |
| 115 x 65 | 1.00kg | **-1760K** |
| 90 x 50 | 0.90kg | **-1780K** |
| 80 x 35 | 0.80kg | **-1800K** |

| Blade Length x Width (mm) | Weight per 12 | Order Code **SEN-533** |
|---|---|---|
| **Filling Knives (Half Tang)** | | |
| 100 x 140 | 1.30kg | **-1500K** |
| 100 x 100 | 1.10kg | **-1520K** |
| 100 x 80 | 1.00kg | **-1540K** |
| 115 x 65 | 0.95kg | **-1560K** |
| 90 x 50 | 0.85kg | **-1580K** |
| 85 x 35 | 0.75kg | **-1600K** |

## KENNEDY® Scrapers (Scale Tang)

Heavy duty, with scale tangs, tempered flexible steel blades and polished rosewood handles. Polished sharp blade for removing paint and wall coverings.

| Blade Length x Width (mm) | Weight per 12 | Order Code **KEN-533** |
|---|---|---|
| 125 x 25 | 1.20kg | **-0400K** |
| 125 x 38 | 1.20kg | **-0410K** |
| 125 x 50 | 1.40kg | **-0450K** |
| 125 x 63 | 1.45kg | **-0490K** |
| 125 x 75 | 1.50kg | **-0530K** |
| 150 x 100 | 1.60kg | **-0570K** |

## KENNEDY® Comfort Grip Scrapers (Scale Tang)

Heavy duty, with scale tangs, tempered flexible steel blades and Bi-material comfort grips.

| Blade Length x Width (mm) | Weight per 12 | Order Code **KEN-533** |
|---|---|---|
| 125 x 25 | 1.20kg | **-5410K** |
| 125 x 50 | 1.40kg | **-5420K** |
| 150 x 75 | 1.50kg | **-5430K** |

## KENNEDY® Filling Knives (Scale Tang)

Heavy duty, with scale tangs, tempered flexible steel blades and polished rosewood handles. For applying and smoothing filler to cracks and holes.

| Blade Length x Width (mm) | Weight per 12 | Order Code **KEN-533** |
|---|---|---|
| 125 x 50 | 1.30kg | **-0650K** |
| 150 x 75 | 1.35kg | **-0680K** |

## Putty Knives
**Half Tang**

Available in traditional chisel pattern.

**Chisel Point**

| Blade Length x Width (mm) | Weight per 12 | Order Code **SEN-533** |
|---|---|---|
| 57 x 38 Chisel | 0.70kg | **-1840K** |

## Putty Knives
**Scale Tang**

Heavy duty, with scale tang, tempered flexible steel blade and polished rosewood handle. Traditional pattern glazier tool.

**Clipt Point**

**Chisel Point**

| Blade Length x Width (mm) | Weight per 12 | Order Code **KEN-533** |
|---|---|---|
| 115x38 Clipt | 1.20kg | **-0860K** |
| 115x38 Chisel | 1.20kg | **-0960K** |

## Wood Scraper Four Edge Bi-Material Grip

- For scraping paint and varnish off wood
- High carbon steel four edged blade
- Convex edges to reduce surface damage
- Bi-material handle comfort grip
- 38mm (1 ½") or 64mm (2 ½") blade width

| Blade Length | Size LxW (mm) | Order Code **KEN-533** |
|---|---|---|
| 7 | 70 x 65 | **-1810K** |
| | **Replacement blade** | |
| | | **-1830K** |

## Window Scraper

Bi-material design provides users with a comfortable non-slip grip.Blade storage in handle.

- Blade length: 40mm
- Blade width: 10mm
- Overall length: 245mm
- Blade material: Steel
- Point type: Chisel point

| Overall Length (mm) | Order Code **KEN-533** |
|---|---|
| 245 | **-1100K** |

## Combi Shave Hook
**Scale Tang**

Heavy duty blade and quality wooden handle. For removing paint from flat, concave and convex mouldings.

| Overall Length | Weight per 6 | Order Code **KEN-533** |
|---|---|---|
| 180mm | 2.70kg | **-1070K** |

## Combi Shave Hook
**Half Tang**

High carbon, clear lacquered steel blade with quality wooden handles.

| Overall Length | Weight per 12 | Order Code **SEN-533** |
|---|---|---|
| 200mm | 1.30kg | **-1900K** |

## Hacking Knife
**Scale Tang**

Originally designed for chipping out old putty. The tough construction allows it to be used with a hammer.

| Blade Length x Width (mm) | Weight per 12 | Order Code **KEN-533** |
|---|---|---|
| 115 x 30 | 2.40kg | **-1060K** |

## Window Scraper

Snap resistant polypropylene handle.
Supplied with hardened steel blade and removable plastic cover.
Suitable for scraping paint off glass.

| Overall Length (mm) | Weight each | Order Code **KEN-533** |
|---|---|---|
| 170 | 55g | **-1090K** |

## KENNEDY Clipt Shoe Knife

**Scale Tang**
With heavy duty blade and quality wooden handle. General purpose cutting knife for many different applications.

| Blade Length x Width (mm) | Weight per 12 | Order Code KEN-533 |
|---|---|---|
| 100 x 25 | 870g | -1000K |

## KENNEDY Hooked Lino Knife

**Scale Tang**
With heavy duty blade and quality wooden handle. For cutting linoleum and comparable materials.

| Blade Length x Width (mm) | Weight per 12 | Order Code KEN-533 |
|---|---|---|
| 90 x 25 | 1.50kg | -1020K |

## KENNEDY Paste Brush

Easy clean synthetic bristle. Resin set in a nickel plated ferrule with plastic handle suitable for the easy spreading of wallpaper paste.

Group 907

| Width (mm) | Order Code KEN-533 |
|---|---|
| 120 (4¾") | -1500K |

## KENNEDY Palette Knives

**Scale Tang**
Heavy duty, with scale tang, tempered flexible steel blades and polished rosewood handles. Used for mixing paints, spreading printing inks, folding pigments etc.

| Blade Length) | Weight each | Order Code KEN-533 |
|---|---|---|
| 100mm | 60g | -5540K |
| 150mm | 88g | -5560K |
| 200mm | 159g | -5580K |

## SENATOR QUALITY TOOLING Seam Roller

Plastic head.

| Overall Length x Wheel Width | Weight per 12 | Order Code SEN-533 |
|---|---|---|
| 180 x 38mm | 0.60kg | -1920K |

## KENNEDY Paper Hanging Shears

All metal, with stainless steel blades to produce perfect cuts.

| Length (mm) | Weight each | Order Code KEN-533 |
|---|---|---|
| 255 (10") | 270g | -2200K |

## KENNEDY Professional Paint Brushes - Synthetic

A range of long lasting synthetic filament paint brushes specifically designed for the professional for achieving very fine finishes with all paints şi available in a Gamă of sizes from ½" to 4". With cushioned Gumi grip handles.

**6 Piece Set**
1x ½", 3x 1", and 2x 2".

**14 Piece Set:**
4x ½", 4x 1", 4x 2", 1x 3", and 1x 4".

| Width (mm) | Order Code KEN-533 |
|---|---|
| 13 (½") | -6762K |
| 25 (1") | -6764K |
| 38 (1½") | -6766K |
| 50 (2") | -6768K |
| 75 (3") | -6772K |
| 100 (4") | -6776K |

| Number of pieces | Order Code KEN-533 |
|---|---|
| 6 Piece Set | -6790K |
| 14 Piece Set | -6794K |

## KENNEDY Industrial Paint Brushes

Plastic handles. Chrome plated lapped and pressed ferrules. Pure bristles vulcanised in rubber. Designed to give excellent results at an affordable price. For DIY and trade use.

**14 Piece Set**
4x 13, 25 and 50mm, 1x 75 and 100mm.

| Width (mm) | Weight per 12 | Order Code KEN-533 |
|---|---|---|
| 13 (½") | 0.25kg | -1120K |
| 25 (1") | 0.55kg | -1140K |
| 38 (1½") | 0.70kg | -1160K |
| 50 (2") | 1.10kg | -1180K |
| 75 (3") | 1.80kg | -1220K |
| 100 (4") | 2.60kg | -1240K |

| Number of Pieces | Weight each | Order Code KEN-533 |
|---|---|---|
| 14 | 0.85kg | -1300K |

## KENNEDY Professional Paint Brushes

High quality lacquered wood handles. Chrome plated lapped and pressed ferrules. Long pure black high quality bristles. Hard wearing brushes designed to give long life and the finest of finishes for the true craftsman.

*With plastic handle.

**5 Piece Set**
1x 13, 25, 38, 50 and 75mm.

**6 Piece Set**
3x 25mm, 2x 50mm and 1x 13mm.

**11 Piece Set**
3x 25 and 50mm, 2x 13mm, 1x 19, 38 and 75mm.

| Width (mm) | Weight per 12 | Order Code KEN-533 |
|---|---|---|
| 13 (½")* | 0.30kg | -5020K |
| 19 (¾") | 0.65kg | -5030K |
| 25 (1") | 0.70kg | -5040K |
| 38 (1½") | 0.95kg | -5050K |
| 50 (2") | 1.50kg | -5060K |
| 63 (2½") | 1.75kg | -5070K |
| 75 (3") | 2.50kg | -5080K |
| 100 (4") | 3.40kg | -5090K |

| Number of Pieces | Weight each | Order Code KEN-533 |
|---|---|---|
| 5 | 390g | -5130K |
| 6 | 340g | -5170K |
| 11 | 635g | -5140K |

## SENATOR QUALITY TOOLING Paint Brushes

With painted wood handles. Chrome plated lapped and pressed steel ferrules. Long pure bristles.

**6 Piece Set**
1x 13mm, 3x 25 and 2x 50mm.

**12 Piece Set**
1x 19, 38, 63 and 100mm.
2x 13, 25, 50 and 75mm.

| Width (mm) | Weight each | Order Code SEN-533 |
|---|---|---|
| 13 (½") | 15g | -0210K |
| 19 (¾") | 25g | -0220K |
| 25 (1") | 30g | -0230K |
| 38 (1½") | 43g | -0240K |
| 50 (2") | 65g | -0250K |
| 63 (2½") | 85g | -0260K |
| 75 (3") | 110g | -0270K |
| 100 (4") | 150g | -0280K |

| Number of Pieces | Weight each | Order Code SEN-533 |
|---|---|---|
| 6 | 330g | -0370K |
| 12 | 865g | -0330K |

## KENNEDY® Slant Cut Lining Brush

For use on fine and detailed decorating work and difficult to get to areas where the finish makes all the difference.
**Overall length:** 300mm.

| Size | Order Code KEN-533 |
|---|---|
| 12mm (½") | -5220K |

## KENNEDY® Plastic Handle Sash Tools

Plastic handle. Ideal for cleaning out sawdust, swarf etc.

| Size | Order Code KEN-533 |
|---|---|
| No.6 | -1531K |
| No.8 | -1532K |
| No.10 | -1533K |
| No.12 | -1534K |
| No.16 | -1535K |

## KENNEDY® Wooden Sash Brushes

Wooden handle with steel ferrule.

| Size | Order Code KEN-533 |
|---|---|
| No.6 | -3179K |
| No.8 | -3180K |
| No.10 | -3181K |
| No.12 | -3182K |
| No.14 | -3183K |
| No.16 | -3184K |
| No.18 | -3186K |
| No.20 | -3187K |

## KENNEDY® Laminating Brushes

Laminating brush for fibreglass and resin projects. White bristle, stainless ferrule. Plastic handle.

| Size | Order Code KEN-533 |
|---|---|
| ½" | -6340K |
| ¾" | -6350K |
| 1" | -6360K |
| 2" | -6370K |
| 3" | -6375K |
| 4" | -6380K |

## KENNEDY® Varnished Wooden Handled - Fine Point

Slimmer handles, steel ferrules, soft hair bristles.

| Size | Order Code KEN-533 |
|---|---|
| No.2 | -6742K |
| No.3 | -6743K |
| No.6 | -6746K |
| No.8 | -6748K |

## KENNEDY® Artist's Pencil Brushes

**Plastic Handled - Medium Point**
With pure bristles.

| Size | Weight per 10 | Order Code KEN-533 |
|---|---|---|
| No.1 | 30g | -6391K |
| No.2 | 30g | -6392K |
| No.3 | 30g | -6393K |
| No.4 | 30g | -6394K |
| No.5 | 30g | -6395K |
| No.6 | 30g | -6396K |

## KENNEDY® Wooden Handled - Fine Point

Steel ferrules. Soft hair bristles.

| Size | Order Code KEN-533 |
|---|---|
| No.2 | -6702K |
| No.4 | -6704K |
| No.6 | -6706K |

## KENNEDY® Wooden Handled - Medium Point

Steel ferrules. Soft hair bristles.

| Size | Order Code KEN-533 |
|---|---|
| No.1 | -6721K |
| No.2 | -6722K |
| No.3 | -6410K |
| No.4 | -6420K |
| No.5 | -6430K |
| No.6 | -6440K |
| No.7 | -6450K |
| No.8 | -6460K |
| No.10 | -6470K |
| No.12 | -6480K |

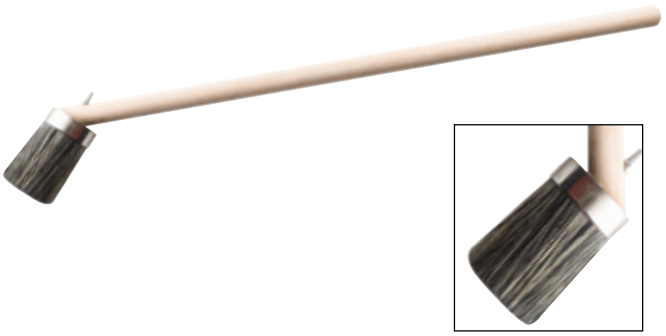
## KENNEDY® Radiator Brushes

Designed to reach behind radiators. Plastic handles with hard wearing bristles.

| Size (mm) | Overall Length | Weight each | Order Code KEN-533 |
|---|---|---|---|
| 25 | 380 | 35g | -6020K |
| 38 | 380 | 45g | -6030K |
| 50 | 380 | 55g | -6040K |

## KENNEDY® Striker Brush with 24" Handle

Mainly used on heavy industrial and commercial work. Ideal for hard to reach painting work. 610mm (24") handle.



| Size | Order Code KEN-533 |
|---|---|
| 1½" | -0010K |
| 2" | -0015K |

## KENNEDY® Dusting Brushes

Black pure bristle or soft coco fibre bristles. Plain wood handle. For general dusting and cleaning.
**Velikost:** 100mm (4").

| Type | Weight each | Order Code KEN-533 |
|---|---|---|
| Coco | 115g | -6824K |
| Pure | 105g | -6844K |

## KENNEDY® Paste & Glue Brushes

Ideal for glue, paste and paint.

**Plastic**

**Wood**

| Size | Handle Type | Order Code KEN-533 |
|---|---|---|
| 25mm (1") | Wood | -5250K |
| No.9/3 (¼") | Plastic | -6310K |
| No.9/5 (¾") | Plastic | -6320K |

## KENNEDY® Fitch Brushes

Natural white bristle with long natural wooden handle and steel ferrule. Ideal for 'cutting-in' to corners and windows, or used dry to dust on delicate objects.

| Size | Order Code KEN-533 |
|---|---|
| **Flat** | |
| No.2 (6mm) | -6520K |
| No.4 (8mm) | -6540K |
| No.6 (12mm) | -6560K |
| No.8 (16mm) | -6580K |
| No.10 (20mm) | -6600K |
| No.12 (24mm) | -6620K |
| **Round** | |
| No.2 (6mm) | -6680K |
| No.4 (8mm) | -6681K |
| No.6 (12mm) | -6682K |
| No.8 (16mm) | -6683K |
| No.10 (20mm) | -6684K |
| No.12 (24mm) | -6685K |

## KENNEDY® Paint Kettles

Made from high quality polypropylene
Tapered design to allow stacking.
Lids are sold separately. Supplied as standard with plastic handles (except *).

| Capacity (Litres) | Dia. x Height (mm) | Order Code KEN-533 |
|---|---|---|
| 300ml* | 89 x 66 | -1540K |
| 500ml* | 100 x 720 | -1545K |
| 1ltr | 140 x 102 | -1550K |
| 2.5ltr | 198 x 134 | -1560K |
| 5ltr | 235 x 205 | -1564K |
| 10ltr | 282 x 229 | -1568K |
| 300ml | Lid Only | -1570K |
| 500ml | Lid Only | -1571K |
| 1ltr | Lid Only | -1573K |
| 2.5ltr | Lid Only | -1575K |
| 5ltr | Lid Only | -1577K |
| 10ltr | Lid Only | -1579K |

# DECORATING TOOLS



## KENNEDY® Mini Emulsion Roller Set

**100mm (4")**
For use with Emulsion paint.

| Description | Order Code KEN-533 |
|---|---|
| Roller Set | -4120K |
| Tray Only | -4100K |

## KENNEDY® Mini Roller Set

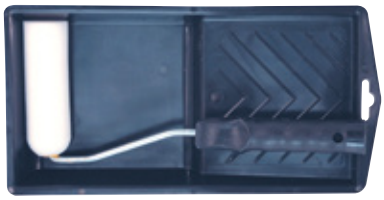
Supplied with a handle and tray. Includes a 100mm (4") high density foam roller for gloss and a knitted 100mm (4") sleeve for use with emulsion paint.

4 PIECES

| Size (mm) | Order Code KEN-533 |
|---|---|
| 100 (4") | -4140K |

## KENNEDY® Mini Gloss Roller Set

For use with gloss paint.



| Size (mm) | Order Code KEN-533 |
|---|---|
| 100 (4") | -4130K |

## SENATOR QUALITY TOOLING Roller Kit

Comprising a bird cage paint roller, medium pile refill and plastic paint tray. Suitable for indoor use on smooth surfaces.

3 PIECES

| Weight each | Order Code SEN-533 |
|---|---|
| 548g | -4500K |

## SENATOR QUALITY TOOLING Decorator's Set

Comprising a standard roller kit, which includes bird cage paint roller, medium pile refill and plastic paint tray, and an emulsion & gloss painting kit, which includes mini roller, refill, 50mm paint brush, paint tray and 3.70 x 2.80m polythene dust sheet.

8 PIECES

| Weight each | Order Code SEN-533 |
|---|---|
| 750g | -3100K |

## KENNEDY® Paint Trays

The rigid drain off area helps remove the excess paint from the roller preventing drips and evenly coating your paint roller.

**Dimensions (L x W x D):** 400 x 290 x 60mm

| Type | Width (mm) | Weight each | Order Code KEN-533 |
|---|---|---|---|
| Plastic | 230 (9") | 290g | -4460K |
| Metal | 300 (12") | 290g | -4670K |

## SENATOR QUALITY TOOLING Paint Tray

Evenly coats the roller whilst storing paint in the reservoir. The drain-off area helps remove excess paint from the roller preventing drips.

| Size (mm) | Weight each | Order Code SEN-533 |
|---|---|---|
| 180 (7") | 165g | -4280K |

## SENATOR QUALITY TOOLING Paint Pad Refill

- Paint Pad Refill - large pad (200 x 70mm)

| Brush Width in. | Order Code SEN-533 |
|---|---|
| 2.5 | -4700K |

## KENNEDY® Mini Paint Roller Frame

Single arm type. Moulded plastic handle. Suitable for use with all 4" mini roller heads.

| Size (mm) | Order Code KEN-533 |
|---|---|
| 100 (4") | -4060K |

## KENNEDY® Long Arm Radiator Roller & Sleeve

Radiator roller frame and 4" roller sleeve. Single arm moulded handle frame and medium pile roller sleeve. Suitable for emulsion paint.

| Order Code KEN-533 |
|---|
| -4070K |

## KENNEDY® Paint Roller

Bird cage pattern with a hollow tapered wooden handle for use with extension.

**Cage diameter:** 44mm.
To suit KENNEDY refills.

| Size (mm) | Weight each | Order Code KEN-533 |
|---|---|---|
| 230 (9") | 400g | -4400K |

## KENNEDY® Plastic 15ltr Paint Scuttle

Black plastic with metal handle. Moulded ridged sides for loading paint roller. Takes all paint roller frames up to 12".

| Capacity | Weight each | Order Code KEN-533 |
|---|---|---|
| 15ltr | 825g | -1700K |

## SENATOR QUALITY TOOLING® Bird Cage Paint Roller

Single arm type with moulded black plastic handle. Integral hanging hole for easy storage. For use with roller refill sleeves (not supplied).

**Cage diameter:** 38mm.
To suit SENATOR refills.

| Size (mm) | Weight each | Order Code SEN-533 |
|---|---|---|
| 180 (7") | 170g | -4250K |
| 230 (9") | 190g | -4400K |

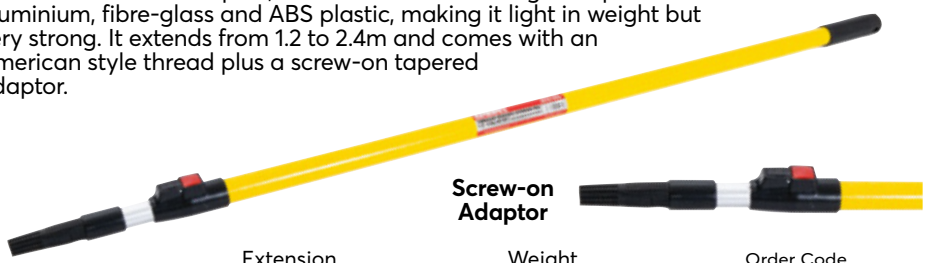
## KENNEDY® Double Arm Roller Head

Galvanised steel double arm head. For use with 1" diameter stale with screw hole for fixing.

| Size (mm) | Weight each | Order Code KEN-533 |
|---|---|---|
| 300 (12") | 455g | -4650K |

## KENNEDY® Telescopic Extension Pole

Professional extension pole, manufactured to the highest specifications from aluminium, fibre-glass and ABS plastic, making it light in weight but very strong. It extends from 1.2 to 2.4m and comes with an American style thread plus a screw-on tapered adaptor.



**Screw-on Adaptor**



| Extension Range | Weight each | Order Code KEN-533 |
|---|---|---|
| 1.2 to 2.4m (47" to 94") | 360g | -4800K |

## SENATOR QUALITY TOOLING® Telescopic Extension Handle

To fit 230mm (9") wide bird cage pattern roller.

| Extension Range | Weight each | Order Code SEN-533 |
|---|---|---|
| 1 to 2m (42" to 84") | 360g | -4800K |

## SENATOR QUALITY TOOLING® 230mm (9") Extending Bird Cage Paint Roller Frame

This innovative two stage extending bird cage roller extends up to 900mm (36") by extending the frame from the handle. Operations are carried out by twisting to unlock, extending and twisting to lock again.

**Cage diameter:** 8mm.
To suit SENATOR refills

| Extension Range | Weight each | Order Code SEN-533 |
|---|---|---|
| 430 to 900mm (17" to 36") | 360g | -4420K |

# DECORATING TOOLS

## KENNEDY® Shepsil Refill

Suitable for emulsion and masonry paints on rough surfaces. Use also with vinyl silk, vinyl matt, exterior paints on rough surfaces - stucco, concrete, brickwork, light pebble dash and textured surfaces.

**To fit KENNEDY 230mm wide bird cage pattern rollers.**

| Length (mm) | Core Diameter | Pile Length | Weight each | Order Code KEN-533 |
|---|---|---|---|---|
| 230 (9") | 44mm | 18mm | 100g | **-4300K** |

## KENNEDY® Polyester Extra Long Pile Refill

Suitable for emulsion and masonry paints on very rough surfaces. Also for use with vinyl silk, vinyl matt, exterior paints, on rough surfaces - stucco, concrete, brickwork, light pebble dash and textured surfaces.

**To fit KENNEDY 230mm wide bird cage pattern rollers.**

| Length (mm) | Core Diameter | Pile Length | Weight each | Order Code KEN-533 |
|---|---|---|---|---|
| 230 (9") | 44mm | 32mm | 100g | **-4320K** |

## KENNEDY® Polyester Short Pile Refill

For eggshell paints on smooth surfaces. Use also with semi-gloss, vinyl silk, undercoat, primers on smooth flat surfaces - hardboard, fibre board, plaster finish, plasterboard, doors.

**To fit 230mm wide bird cage pattern rollers.**

| Length (mm) | Core Diameter | Pile Length | Weight each | Order Code KEN-533 |
|---|---|---|---|---|
| 230 (9") | 44mm | 9mm | 100g | **-4330K** |

## KENNEDY® Foam Roller - Textured Paint

For applying and finishing texture paints. Use for applying and texturing high-build, aggregate and texture paints on interior walls, exterior walls and ceilings.

**To fit KENNEDY 230mm wide bird cage pattern rollers.**

| Length (mm) | Core Diameter | Roller Type | Weight each | Order Code KEN-533 |
|---|---|---|---|---|
| 230 (9") | 44mm | Foam | 100g | **-4340K** |

## KENNEDY® 12" Medium Pile Refill

For double arm rollers. Medium pile, suitable for rough surfaces such as stucco, concrete, pebble dash, embossed wallpaper, brick and block walls.

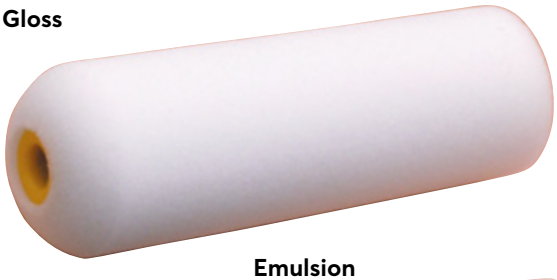
**To fit KENNEDY 300mm wide double arm roller head.**

| Size (mm) | Weight each | Order Code KEN-533 |
|---|---|---|
| 300 (12") | 100g | **-4600K** |

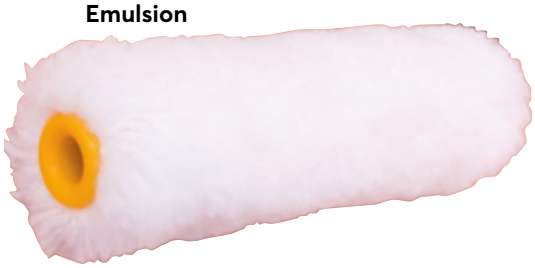
## KENNEDY® Mini Roller Refills

100mm (4") medium pile roller for use with emulsion paints. Ideal for painting small areas or in awkward places.

**Gloss**



**Emulsion**



| For Paint Types | Order Code KEN-533 |
|---|---|
| **Single Roll** | |
| Emulsion | **-4010K** |
| Gloss | **-4020K** |
| **Pack of 10 Rolls** | |
| Emulsion | **-4030K** |
| Gloss | **-4040K** |

## SENATOR® QUALITY TOOLING Economy Refill Sleeves

Medium pile is suitable for smooth surfaces. Long pile is suitable for rough surfaces.

**To fit SENATOR 180mm & 230mm wide bird cage pattern rollers.**

| Length (mm) | Core Diameter | Pile | Order Code SEN-533 |
|---|---|---|---|
| 180 (7") | 38mm | Medium | **-4200K** |
| 230 (9") | 38mm | Medium | **-4310K** |
| 180 (7") | 38mm | Long | **-4220K** |
| 230 (9") | 38mm | Long | **-4320K** |

## KENNEDY® Contour Gauges

Allows profiles to be traced quickly and easily.

| Overall Length (mm) | Weight each | Order Code KEN-533 |
|---|---|---|
| 128 (5") | 270g | -1960K |
| 255 (10") | 500g | -1950K |

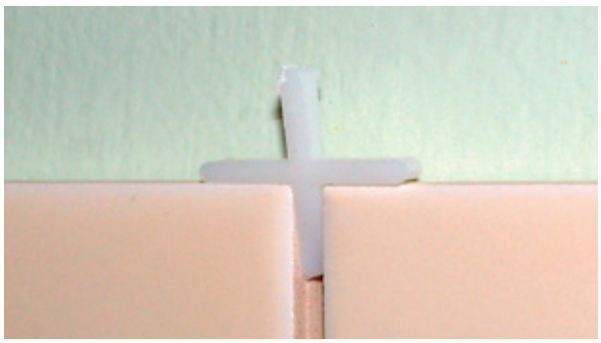
## KENNEDY® Tile Cutter/Scorer

Solid plastic handle with double-edged tungsten, extra hard, carbide cutting tip.

| Overall Length | Weight each | Order Code KEN-533 |
|---|---|---|
| 100mm | 40g | -2050K |

## KENNEDY® Tile Spacers

**Average pack quantity:** 250.



| Width | Weight per pk | Order Code KEN-533 |
|---|---|---|
| 2mm | 55g | -1940K |

## KENNEDY® Glass & Tile Cutter

- Tungsten carbide cutting wheel for effective and easy action
- Metal handle to protect over time
- Compatible with both ceramic tiles and glass

| Overall Length | Order Code KEN-533 |
|---|---|
| 130mm | -1840K |

## KENNEDY® Six Wheel Glass & Tile Cutter

Six wheel cutting head with tungsten carbide cutting wheels.

| Overall Length | Weight each | Order Code KEN-533 |
|---|---|---|
| 135mm | 40g | -1990K |

## KENNEDY® Grout & Adhesive Spreader

Non-scratch plastic spreader. The grooved edge ensures that the adhesive is evenly spread. The flexible edge is suitable for removing excess grout.

| Overall Length | Weight each | Order Code KEN-533 |
|---|---|---|
| 180mm | 43g | -1960L |

## SENATOR QUALITY TOOLING® Grout Remover

Long life tempered steel blade. Grout can be loosened and removed quickly and easily, for repair, renewal or 'facelift'.

| Weight each | Order Code SEN-533 |
|---|---|
| 50g | -2090K |

# SCISSORS

## KENNEDY® Tailor's Thread Cutting Snips

**Plastic Handled**
Handy, economical lightweight plastic snips with finger hole for stability. Useful for cutting threads, wires, string, Plastic pull straps etc.

| Length (mm) | Order Code KEN-533 |
|---|---|
| 125 (5") | -3750K |

## KENNEDY® Kitchen Scissors - Offset Handle

Asymmetrical handles with offset hardened and ground steel blades. Suitable for precise snipping or running along the edge of a cutting board.

| Length (mm) | Weight each | Order Code KEN-533 |
|---|---|---|
| 190 (7½") | 60g | -3270K |

## KENNEDY® Multi-purpose Scissors

Large plastic handles. Excellent for cutting heavy seatbelts, fabrics, thin metal, plastics and splints.

| Handle Shape | Overall Length mm | Order Code KEN-533 |
|---|---|---|
| Offset/ Asymmetrical | 180 | -3590K |

## KENNEDY® Multi-Purpose Shears

High strength reinforced offset steel blades with serrated cutting edge. Suitable for moderate to heavy cutting applications.

| Length (mm) | Weight each | Order Code KEN-533 |
|---|---|---|
| 180 (7") | 60g | -2370K |

## KENNEDY® Bi-Material Handled Slimline Scissors

Bi-Material comfort handle. Slimline scissors ideal for fine and intricate detailed work.

| Length mm | Order Code KEN-533 |
|---|---|
| 140 (5½") | -3920K |

## KENNEDY® Bi-Material Handled Offset Scissors

Hardened and ground steel blades allows the scissors to be used comfortably just above the work surface. Sharp stainless steel blades.

**190mm**

**245mm**

| Length mm | Order Code KEN-533 |
|---|---|
| 190 | -3940K |
| 195 | -3950K |
| 245 | -3960K |

## KENNEDY® General Purpose Scissors

- Matte finish gives the product a clean and sleek look
- Asymmetrical handle has been ergonomically designed to allow for optimum comfort and control when using
- Available in two sizes and specifications to suit your individual needs and preferences
- Manufactured from high quality stainless steel for overall product hardiness

| Overall Length in. | End Shape | Order Code KEN-533 |
|---|---|---|
| 7 | Pointed | -2380K |

## KENNEDY® Fibre Optic Shears

Designed for cutting fibre optics, KEVLAR materials, plastic canvas, upholstery, headlines, cloth, etc. Long lasting precision ground hardened high carbon alloy steel with Molybdenum and Vanadium blades.
Serrated blade reduces slippage.

**Overall length:** 160mm
**Cutting length:** 42mm.

| Weight each | Order Code KEN-533 |
|---|---|
| 82g | -3580K |

## SENATOR QUALITY TOOLING Kitchen Scissors - Offset Handle

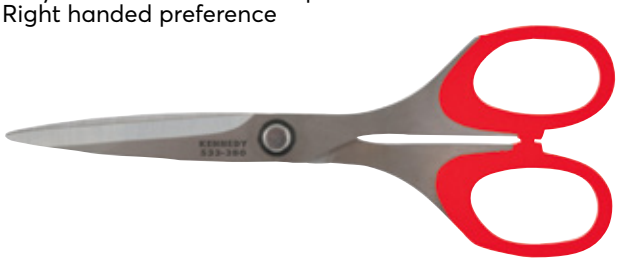
The straight and curved blade tips are suitable for both long cuts and precise stitch cutting.

- Blade material: Stainless steel
- Handle shape: Offset/Asymmetrical
- Hand preference: Right hand
- Handle material: Plastic
- End shape: Pointed and Round
- Blade lengths: 180, 215 and 255mm
- Handle colour: Blue

| Handle Shape | Overall Length mm | Order Code SEN-533 |
|---|---|---|
| Offset/ Asymmetrical | 115 | -0480K |

## KENNEDY Paper Scissors

- Non-twist
- Plastic handles, quality stainless steel blades
- Easy to use with consistent performance
- Right handed preference



| Overall Length mm | End Shape | Order Code KEN-533 |
|---|---|---|
| 180 | Pointed | -3810K |

## KENNEDY Sidebent Shears

Stainless steel blades, large loop comfortable handles. For trimming.

| Length (mm) | Weight each | Order Code KEN-533 |
|---|---|---|
| 180 (7") | 190g | -2070K |
| 205 (8") | 190g | -2080K |
| 230 (9") | 280g | -2090K |
| 255 (10") | 440g | -2100K |
| 305 (12") | 720g | -2120K |

## KENNEDY Fibre Optic Cutters

Designed for cutting fibre optics, KEVLAR materials, plastic canvas, upholstery, headlines, etc. Lightweight and easy to use for both right and left handed users. Easy reach thumb lock. High carbon alloy steel with molybdenum and vanadium. Serrated blade.

**Overall length:** 145mm (5").
**Cutting length:** 32mm (1").

| Weight each | Order Code KEN-533 |
|---|---|
| 82g | -3570K |

## KENNEDY Paper Scissors

- Non-twist
- Plastic handles, quality stainless steel blades
- Easy to use with consistent performance
- Right handed preference

| Overall Length mm | Order Code KEN-533 |
|---|---|
| 160 | -3800K |

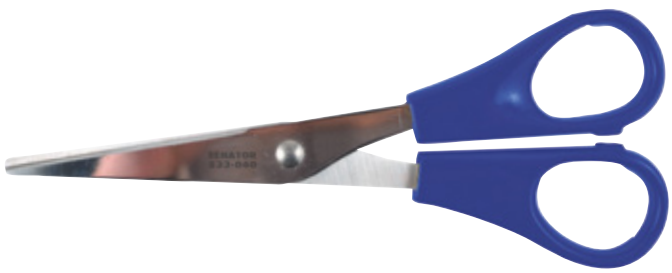
## KENNEDY Thread Scissors

Compact design to fit comfortably in the palm of the hand provides precise control of the cutting action when removing threads from garments. Spring loaded blade opening.

| Length (mm) | Order Code KEN-533 |
|---|---|
| 125 (5") | -3500K |

## SENATOR QUALITY TOOLING Paper Scissors

Non-twist blades manufactured from the finest quality stainless steel with plastic handles.



| Length (mm) | Order Code SEN-533 |
|---|---|
| 140 (51/2") | -0400K |

## KENNEDY Open End Insulated Spanners

Chrome vanadium single ended open jaw spanners. Spanner dimensions conform to **DIN 7446**. Fully insulated to conform to **VDE 0680/201** and **EN 60900:2012** standards for safe electrical applications up to 1000V.

**Single End Open Jaw**

1000V

| Size | Overall Length | Order Code KEN-534 |
|---|---|---|
| 6mm | 185mm | -2232K |
| 7mm | 185mm | -2233K |
| 8mm | 185mm | -2234K |
| 9mm | 185mm | -2235K |
| 10mm | - | -8800K |
| 11mm | - | -8810K |
| 12mm | - | -8820K |
| 13mm | - | -8830K |
| 14mm | - | -8840K |
| 15mm | - | -8850K |
| 16mm | - | -8860K |
| 17mm | - | -8870K |
| 18mm | - | -8880K |
| 19mm | - | -8890K |
| 20mm | 185mm | -2236K |
| 21mm | - | -8910K |
| 22mm | 200mm | -2237K |
| 23mm | 210mm | -2238K |
| 24mm | - | -8940K |
| 26mm | 250mm | -2239K |
| 27mm | 250mm | -2240K |
| 28mm | 275mm | -2241K |
| 30mm | 275mm | -2242K |
| 32mm | 275mm | -2243K |

## KENNEDY Insulated Single End Ring Spanners

- Sizing printed on the body of the tool for easy identification
- Tested against high voltage for reliable safety
- Multi-layer insulation protects against up to 1000 volts of electricity
- Available in a range of sizes to suit all requirements
- **IEC 60900**

1000V

| Size | Order Code KEN-534 |
|---|---|
| 6mm | -2260K |
| 7mm | -2261K |
| 8mm | -2262K |
| 9mm | -2263K |
| 10mm | -9200K |
| 11mm | -9210K |
| 12mm | -9220K |
| 13mm | -9230K |
| 14mm | -9240K |
| 15mm | -9250K |
| 16mm | -9260K |
| 17mm | -9270K |
| 18mm | -9280K |
| 19mm | -9290K |
| 20mm | -2264K |
| 21mm | -9310K |
| 22mm | -9320K |
| 23mm | -2265K |
| 24mm | -9340K |
| 26mm | -2266K |
| 27mm | -2267K |
| 28mm | -2268K |
| 30mm | -2269K |
| 32mm | -2270K |

## KENNEDY Insulated Ratchet Ring Spanner

- Multi-layer insulated to protect against up to 1000 volts
- Sizing details printed on the body of the tool for easy identification
- Available in a range of sizes to suit all requirements
- **IEC 60900**

1000V

| Spanner Size | Overall Length | Order Code KEN-534 |
|---|---|---|
| 10mm | 135mm | -2328K |
| 11mm | 135mm | -2329K |
| 12mm | 140mm | -2330K |
| 13mm | 140mm | -2331K |
| 14mm | 150mm | -2332K |
| 15mm | 150mm | -2333K |
| 16mm | 160mm | -2334K |
| 17mm | 160mm | -2335K |
| 18mm | 180mm | -2336K |
| 19mm | 180mm | -2337K |

## KENNEDY 1/4in. Insulated Hexagon Socket

1000V

- Sizing printed on the body of the socket for easy identification
- Dual layers of dipped insulation to isolate against up to 1000 volts
- Individually tested against high voltages to ensure reliable protection
- **IEC 60900**

| Socket size | Order Code KEN-534 | Socket size | Order Code KEN-534 |
|---|---|---|---|
| 5mm | -2378K | 10mm | -2383K |
| 6mm | -2379K | 11mm | -2384K |
| 7mm | -2380K | 12mm | -2385K |
| 8mm | -2381K | 13mm | -2386K |
| 9mm | -2382K | 14mm | -2387K |

## KENNEDY Insulated 3/8 Hexagon Socket

1000V

- Sizing marked on the socket body for easy identification
- Individually tested against high voltage for reliable safety
- Multi-layer insulation isolates against up to 1000 volts of electricity
- **IEC 60900**

| Socket size | Order Code KEN-534 | Socket size | Order Code KEN-534 |
|---|---|---|---|
| 6mm | -2350K | 15mm | -2359K |
| 7mm | -2351K | 16mm | -2360K |
| 8mm | -2352K | 17mm | -2361K |
| 9mm | -2353K | 18mm | -2362K |
| 10mm | -2354K | 19mm | -2363K |
| 11mm | -2355K | 20mm | -2364K |
| 12mm | -2356K | 21mm | -2365K |
| 13mm | -2357K | 22mm | -2366K |
| 14mm | -2358K | | |

## KENNEDY® Insulated Deep 3/8in. Hexagon Socket

1000V

- Individually tested against high voltage
- Dual layers of dipped insulation isolate against up to 1000 volts
- Sizing printed on the body of the socket for easy identification
- **IEC 60900**

| Drive size | Socket size | Order Code KEN-534 |
|---|---|---|
| 3/8 in. | 8mm | -2390K |
| 3/8 in. | 9mm | -2391K |
| 3/8 in. | 10mm | -2392K |
| 3/8 in. | 11mm | -2393K |
| 3/8 in. | 12mm | -2394K |
| 3/8 in. | 13mm | -2395K |
| 3/8 in. | 14mm | -2396K |
| 3/8 in. | 15mm | -2397K |

| Drive size | Socket size | Order Code KEN-534 |
|---|---|---|
| 3/8 in. | 16mm | -2398K |
| 3/8 in. | 17mm | -2399K |
| 3/8 in. | 18mm | -2400K |
| 3/8 in. | 19mm | -2401K |
| 3/8 in. | 20mm | -2402K |
| 3/8 in. | 21mm | -2403K |
| 3/8 in. | 22mm | -2404K |

## KENNEDY® Insulated Hexagonal Socket, 3/8in. Square Drive

1000V

- Sizing information is printed on the side of the socket for easy identification
- Manufactured from high-quality chrome vanadium steel for a durable product
- Double insulation layers isolate against up to 1000 volts of electricity
- **IEC 60900**

| Socket size | Order Code KEN-534 |
|---|---|
| 4mm | -2415K |
| 5mm | -2416K |
| 6mm | -2417K |
| 8mm | -2418K |
| 10mm | -2419K |

## KENNEDY® Deep Insulated Hexagonal Socket

1000V

- Dual layers of insulation dip protect against up to 1000 volts of electricity
- Available in a range of sizes to suit all requirements
- **IEC 60900**

| Drive Size | Size | Order Code KEN-534 |
|---|---|---|
| 3/8 in. | 4mm | -2424K |
| 3/8 in. | 5mm | -2425K |
| 3/8 in. | 6mm | -2426K |
| 3/8 in. | 8mm | -2427K |
| 3/8 in. | 10mm | -2428K |

## KENNEDY® Insulated Hexagon Socket Wrench, 1/2in. Square Drive

1000V

- Individually tested at high voltage for reliable safety
- Dual insulation dipped for safety
- Size and type printed for easy identification
- **IEC 60900**

| Drive Size | Socket size | Order Code KEN-534 |
|---|---|---|
| 1/2 in. | 8mm | -2468K |
| 1/2 in. | 9mm | -2469K |
| 1/2 in. | 23mm | -2470K |
| 1/2 in. | 27mm | -2472K |

## KENNEDY® Insulated Sockets & Accessories

All products are quality tested and fully insulated to 1000V AC. Conforms to **VDE 0680/201** (except extension bars) and **EN 60900:2012** standards. All ½" square drive.

### Kennedy® Insulated Reversible Ratchet Handle

1000V

| Weight each | Order Code KEN-534 |
|---|---|
| 660g | -7400K |

### Kennedy® 200mm Insulated T-Handle

1000V

| Weight each | Order Code KEN-534 |
|---|---|
| 450g | -7420K |

### Kennedy® 125 & 250mm Insulated Extension Bars

1000V

| Description | Weight each | Order Code KEN-534 |
|---|---|---|
| 125mm Extension Bar | 200g | -7440K |
| 250mm Extension Bar | 270g | -7460K |

### Kennedy® Insulated Single Hexagon Sockets

1000V

| Type | Size | Overall Length | Weight each | Order Code KEN-534 |
|---|---|---|---|---|
| Metric | 10mm | 37 | 60g | -7500K |
| | 11mm | 37 | 60g | -7510K |
| | 12mm | 37 | 60g | -7520K |
| | 13mm | 37 | 70g | -7530K |
| | 14mm | 37 | 60g | -7540K |
| | 15mm | 37 | 60g | -7550K |
| | 16mm | 37 | 70g | -7560K |
| | 17mm | 37 | 80g | -7570K |
| | 18mm | 37 | 90g | -7580K |
| | 19mm | 37 | 90g | -7590K |
| | 20mm | 37 | 100g | -7600K |
| | 21mm | 37 | 95g | -7610K |
| | 22mm | 37 | 105g | -7620K |
| | 24mm | 37 | 135g | -7640K |

## KENNEDY Insulated Deep Hexagon Socket

1000V

- Available in a range of sizes to suit a range of applications
- Individually tested to IEC 60900 insulation standards
- Printed sizing on the socket body allows for easy identification
- **DIN 7448**

| Drive size | Socket size | Order Code KEN-534 | Drive size | Socket size | Order Code KEN-534 |
|---|---|---|---|---|---|
| ½" in. | 10mm | **-2480K** | ½" in. | 17mm | **-2487K** |
| ½" in. | 11mm | **-2481K** | ½" in. | 18mm | **-2488K** |
| ½" in. | 12mm | **-2482K** | ½" in. | 19mm | **-2489K** |
| ½" in. | 13mm | **-2483K** | ½" in. | 20mm | **-2490K** |
| ½" in. | 14mm | **-2484K** | ½" in. | 21mm | **-2491K** |
| ½" in. | 15mm | **-2485K** | ½" in. | 22mm | **-2492K** |
| ½" in. | 16mm | **-2486K** | ½" in. | 24mm | **-2493K** |

## KENNEDY Inhex Insulated Hexagonal Socket

1000V

- Insulated with double layers of safety dip for safety
- Socket type and size marked on the body for easy identification
- Available in a range of sizes to suit various tasks
- **IEC 60900**

| Drive size | Socket size | Order Code KEN-534 |
|---|---|---|
| 1/2 in. | 4mm | **-2498K** |
| 1/2 in. | 5mm | **-2499K** |
| 1/2 in. | 6mm | **-2500K** |
| 1/2 in. | 8mm | **-2501K** |
| 1/2 in. | 10mm | **-2502K** |

## KENNEDY Inhex Insulated Hexagonal Socket

1000V

- Coated with two layers of safety dip insulation for protection against live machinery
- Socket size and type printed on the main body for easy identification
- Available in various sizes to suit many applications
- **IEC 60900**

| Drive size | Socket size | Order Code KEN-534 |
|---|---|---|
| ½ in. | 4mm | **-2507K** |
| ½ in. | 5mm | **-2508K** |
| ½ in. | 6mm | **-2509K** |
| ½ in. | 8mm | **-2510K** |
| ½ in. | 10mm | **-2511K** |

## KENNEDY TX-E Insulated Socket, 3/8in.

1000V

- Multi-layer dipped insulation protects users against up to 1000 volts of electricity
- Size and type printed on the body for easy identification
- **IEC 60900**

| Socket Size | Order Code KEN-534 |
|---|---|
| E5 | **-2433K** |
| E6 | **-2434K** |
| E7 | **-2435K** |
| E8 | **-2436K** |
| E10 | **-2437K** |
| E11 | **-2438K** |
| E12 | **-2439K** |
| E14 | **-2440K** |

## KENNEDY Insulated Adaptor

- Printed size and safety information on the adaptor body for easy identification
- Insulated with multi-layer safety dip to isolate against up to 1000 volts of electricity
- Conveniently adapts square drives to hexagonal drives
- **IEC 60900**

| Total length | Drive Size | Order Code KEN-534 |
|---|---|---|
| 46mm | 3/8 in. to 1/4 in. | **-2344K** |
| 23mm | 1/4 in. to 1/4 in. | **-2374K** |

| Total length | Drive Size | Order Code KEN-534 |
|---|---|---|
| 23mm | 1/4 in. to 3/8 in. | **-2370K** |

## KENNEDY Insulated Extension Bar, 1/4in. Square Drive

1000V

- Sizing information printed on the size of the bar for easy identification
- Dipped in two layers of insulation to isolate against up to 1000 volts of electricity
- Available in a range of sizes to suit all requirements
- **IEC 60900**

| Overall Length | Order Code KEN-534 |
|---|---|
| 50mm | **-2408K** |
| 75mm | **-2409K** |
| 100mm | **-2410K** |
| 150mm | **-2411K** |

## KENNEDY Insulated Extension Bar, 3/8in. Square Drive

- Sizing information printed on the side of the bar for easy identification
- Available in a range of sizes to suit all requirements
- Double dipped in safety insulation to isolate against up to 1000 volts
- **IEC 60900**

1000V

| Overall Length | Order Code KEN-534 |
|---|---|
| 125mm | **-2462K** |
| 250mm | **-2464K** |

## KENNEDY 200mm Insulated T-Handles, 3/8in. Square Drive

- Tool information is printed on the body for easy identification
- Multi-layer insulation isolates against up to 1000 volts of electricity
- **IEC 60900**

| Total length | Drive Size | Order Code KEN-534 |
|---|---|---|
| 200mm | 3/8 in. | **-2457K** |

## KENNEDY Insulated Reversible Ratchet Spanner

- Forward and reverse gears for convenient working
- Individually tested against high voltage
- Style and size printed on the body for easy identification
- Dual-layer insulation protects against electricity up to 1000 volts
- **IEC 60900**

| Spanner Size | Overall Length | Order Code KEN-534 |
|---|---|---|
| 1/4 | 140mm | **-2445K** |
| 3/8 | 200mm | **-2446K** |

## KENNEDY Insulated T-Socket Wrench

- Size and standards printed on the tool body for easy identification
- Manufactured from heat-treated, galvanised steel pipe for durability
- Available in a range of sizes to suit all requirements
- **IEC 60900**

1000V

| Socket Size | Overall Length | Order Code KEN-534 |
|---|---|---|
| 10mm | 200mm | **-2282K** |
| 11mm | 200mm | **-2283K** |
| 12mm | 200mm | **-2284K** |
| 13mm | 200mm | **-2285K** |
| 14mm | 200mm | **-2286K** |
| 15mm | 200mm | **-2287K** |
| 16mm | 200mm | **-2288K** |
| 17mm | 200mm | **-2289K** |
| 19mm | 200mm | **-2290K** |
| 20mm | 200mm | **-2291K** |
| 21mm | 200mm | **-2292K** |
| 22mm | 200mm | **-2293K** |
| 23mm | 200mm | **-2294K** |
| 24mm | 200mm | **-2295K** |
| 10mm | 300mm | **-2300K** |
| 11mm | 300mm | **-2301K** |
| 12mm | 300mm | **-2302K** |
| 13mm | 300mm | **-2303K** |
| 14mm | 300mm | **-2304K** |
| 15mm | 300mm | **-2305K** |
| 16mm | 300mm | **-2306K** |
| 17mm | 300mm | **-2307K** |
| 19mm | 300mm | **-2308K** |
| 20mm | 300mm | **-2309K** |
| 21mm | 300mm | **-2310K** |
| 22mm | 300mm | **-2311K** |
| 23mm | 300mm | **-2312K** |
| 24mm | 300mm | **-2313K** |

## KENNEDY Insulated Adjustable Torque Wrench

- Manufactured from high-quality materials
- Insulation dipped for multiple layers of protective insulation
- Individually tested with high-voltage for reliable safety
- **IEC 60900**

1000V

| Drive Size | Torque Range | Accuracy | Order Code KEN-534 |
|---|---|---|---|
| 1/2 | 5 to 50 Nm | +/-4 | **-2516K** |
| 1/2 | 20 to 100 Nm | +/-4 | **-2518K** |

## KENNEDY 205mm Adjustable Torque Wrench

- Sizing information is marked on the body of the wrench for easy identification
- Double safety dip isolates against up to 1000 volts of electricity
- Individually tested against high voltage for reliable safety
- **IEC 60900**

1000V

| Drive Size | Torque Range | Accuracy | Order Code KEN-534 |
|---|---|---|---|
| 1/4 | 5 to 25 Nm | +/-4 | **-2450K** |

## KENNEDY Insulated Adjustable Torque Wrench

- Size and style marked on the tool body for easy identification
- Individually tested at a high voltage for a reliable tool
- Dual-layer insulation protects against up to 1000 volts of electricity
- **IEC 60900**

1000V

| Drive Size | Torque Range | Accuracy | Order Code KEN-534 |
|---|---|---|---|
| 3/8 | 5 to 25 Nm | +/-4 | **-2452K** |
| 3/8 | 5 to 50 Nm | +/-4 | **-2454K** |

# INSULATED TOOLS

## KENNEDY® Insulated Combination Pliers, 1000V

- Chrome-plated jaws for durability
- Induction-hardened cutting edges provide reliable performance
- Phthalate-free manufacture avoids the handling of harmful chemicals
- **EN 6900**, **IEC 60900**

1000V

| Overall Length | Features | Order Code KEN-534 |
|---|---|---|
| 160mm | Multilayer insulated | **-2123K** |
| 180mm | Multilayer insulated | **-2105K** |
| 210mm | Multilayer insulated | **-2110K** |
| 180mm | Ergonomic Grip | **-2139K** |
| 180mm | Comfort Grip | **-2130K** |
| 205mm | Comfort Grip | **-2133K** |
| 210mm | Comfort Grip | **-2136K** |
| 210mm | Chrome Plated Jaws | **-2142K** |
| 200MM | Snipe Pliers | **-2084F** |

## KENNEDY® Insulated Power Side Cutters

1000V

- Sizing printed on the handles for easy identification
- Hardened cutting edges (to 63 HRC) for powerful cutting action
- Safety layer dipped handles isolate against up to 1000 volts of electricity
- **IEC 60900**

| Total length | Capacity | Order Code KEN-534 |
|---|---|---|
| 200mm | 2.5mm | **-2339K** |

## KENNEDY® Open End Insulated Pump/ Box Joint Pliers

Hardened chromed steel jaws. Sliding pivot joint allows the widest range of jaw openings. Serrated jaws for gripping flat and round parts. The handles cannot be closed together, preventing trapped fingers.

Fully insulated, conforms to EN 60900:2012 standards for safe electrical applications up to 1000V.

1000V

| Overall Length | Weight each | Order Code KEN-534 |
|---|---|---|
| 240mm | 55g | **-4860K** |

## KENNEDY® Insulated Flat Nose Pliers

1000V

- Serrated jaws provide strong gripping action
- Multi-layer insulation protects against up to 1000 volts of electricity
- Chrome-plated tool steel ensures a strong and durable product
- **IEC 60900**

| Total length | Order Code KEN-534 |
|---|---|
| 160mm | **-2531K** |

## KENNEDY® Insulated Cable Cutters

Manufactured from drop forged high carbon steel with induction hardened blades. Fully insulated to conform with **VDE 0680/201** and **EN 60900:2012** standards for safe electrical applications up to 1000V.

1000V

| Overall Length | Capacity | Weight each | Order Code KEN-534 |
|---|---|---|---|
| 240mm | 22mm | 398g | **-4960K** |

## KENNEDY Insulated Ratcheting Cable Cutter

For copper and aluminium cables up to 32mm diameter. Lightweight steel handles with insulated vinyl hand grips. Fixed and moving blade made from high grade alloy steel. Quality tested **EN 60900:2012** and insulated to 1000V AC.

1000V

| Overall Length | Weight each | Order Code KEN-534 |
|---|---|---|
| 250mm (10") | 678g | **-5000K** |

## KENNEDY Insulated Hexagon Key

- Multi-layer insulation protects users from up to 1000 volts of electricity
- Key size and type is printed on the handle for easy identification
- Available in a wide range of sizes to suit all requirements
- **DIN 911L**

1000V

| Tip Size | Long Arm Length | Order Code KEN-534 |
|---|---|---|
| 3mm | 130mm | **-2185K** |
| 4mm | 140mm | **-2186K** |
| 5mm | 160mm | **-2187K** |
| 6mm | 180mm | **-2188K** |
| 8mm | 200mm | **-2189K** |
| 10mm | 226mm | **-2190K** |
| 12mm | 250mm | **-2191K** |

## KENNEDY Insulated Hexagon Key

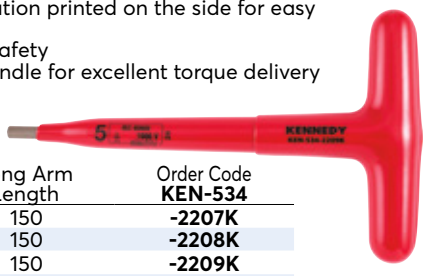
- Multi-layer insulation protects users from up to 1000 volts of electricity
- Key size and type is printed on the handle for easy identification
- Available in a wide range of sizes to suit all requirements
- **IEC 60900**

1000V

| Tip Size | Long Arm Length | Order Code KEN-534 |
|---|---|---|
| 3mm | 65 | **-2195K** |
| 4mm | 70 | **-2196K** |
| 5mm | 80 | **-2197K** |
| 6mm | 90 | **-2198K** |
| 8mm | 100 | **-2199K** |
| 10mm | 115 | **-2200K** |
| 12mm | 130 | **-2201K** |

## KENNEDY T-Handle Wrench for Hexagonal Screws

- Size and safety information printed on the side for easy identification
- Individually tested for safety
- Reliable heavy-duty handle for excellent torque delivery
- **IEC 60900**



| Tip Size | Long Arm Length | Order Code KEN-534 |
|---|---|---|
| 3mm | 150 | **-2207K** |
| 4mm | 150 | **-2208K** |
| 5mm | 150 | **-2209K** |
| 6mm | 150 | **-2210K** |
| 8mm | 150 | **-2211K** |
| 3mm | 250 | **-2212K** |
| 4mm | 250 | **-2213K** |
| 5mm | 250 | **-2214K** |
| 6mm | 250 | **-2215K** |
| 8mm | 250 | **-2216K** |

## KENNEDY 150mm Insulated Adjustable Wrench

1000V

- Sizing information printed on the tool handle for easy identification
- Multi-layer dipped insulation on the handle isolates against up to 1000 volts of electricity
- **IEC 60900**
- Made from high-quality material for a durable tool

| Total length | Capacity | Order Code KEN-534 |
|---|---|---|
| 150mm | 22mm | **-2320K** |

## KENNEDY Insulated Adjustable Wrenches

1000V

Manufactured from chrome vanadium steel with hardened parallel opening jaws that are ground and polished, laser etched with metric graduations for rapid repeatable reference setting. Knurled adjusting screw ensures smooth adjustment. Fully insulated, conforms to **EN 60900:2012** standards for safe electrical applications up to 1000V.

| Overall Length | Capacity | Weight each | Order Code KEN-534 |
|---|---|---|---|
| 200mm | 24mm | 336g | **-6080K** |
| 250mm | 30mm | 551g | **-6100K** |
| 300mm | 34mm | 870g | **-6120K** |

## KENNEDY Comfort Grip Insulated Pliers, 1000V

- Chrome-plated jaws for durability
- Induction-hardened cutting edges provide reliable performance
- Comfort-grip plastic handles for a comfortable operation
- **EN 6900**
- **IEC 60900**

1000V

| Total length | Cutting capacity | Order Code KEN-534 |
|---|---|---|
| 160mm | 2mm | **-2117K** |
| 180mm | 2.3mm | **-2118K** |
| 205mm | 2.8mm | **-2119K** |

## KENNEDY Electronic Insulated Side Cutters, 1000V

1000V

- Chrome-plated jaws for durability
- Induction-hardened cutting edges provide reliable performance for both hard and soft wire
- Dual-layer insulation meets IEC 60900 requirements
- **IEC 60900**

| Total length | Capacity | Order Code KEN-534 |
|---|---|---|
| 115mm | 1mm | **-2126K** |

## KENNEDY® Insulated Cable Cutters

1000V

- Double cutting edge provides squeeze-free cutting action
- Insulated handles protect against up to 1000 volts of electricity
- Comfortable handle grip for strain-free use
- **IEC 60900**

| Maximum Cutting Capacity | Overall Length | Order Code KEN-534 |
|---|---|---|
| 10mm | 160mm | **-2522K** |

## KENNEDY® Insulated Cable Knives

1000V

Fully insulated to conform to **VDE 0680/201**and **EN 60900:2012** standards for safe electrical applications up to 1000V.

**Curved Blade:** Steel hook blade for splitting flat and ribbon cables along its length.

**Straight Blade:** Fixed straight blade and protection cap.
**Blade length:** 45mm.

| Overall Length | Type | Weight each | Order Code KEN-534 |
|---|---|---|---|
| 180mm | Curved Blade | 65g | **-3480K** |
| 180mm | Straight Blade | 65g | **-3500K** |

## KENNEDY® Insulated Dismantling Cable Knife

Insulated dismantling cable knife complete with protection cap. Quality tested to 1000V AC. Comfortable handle, fixed sickle shaped blade for cutting sector cables. Conforms to **VDE 0680/201 and EN 60900:2012** standards.

1000V

**Blade length:** 45mm.

| Overall Length | Weight each | Order Code KEN-534 |
|---|---|---|
| 180mm | 70g | **-3540K** |

## KENNEDY® Insulated Plastic Hammer

- Multiple layers of insulation protects users against up to 1000 volts of electricity
- Insets are replaceable for a long service life
- Safe, recoil-free design
- **IEC 60900**

| Diameter | Order Code KEN-534 |
|---|---|
| 25mm | **-2526K** |
| 35mm | **-2528K** |

## KENNEDY® Insulated Junior Hacksaw

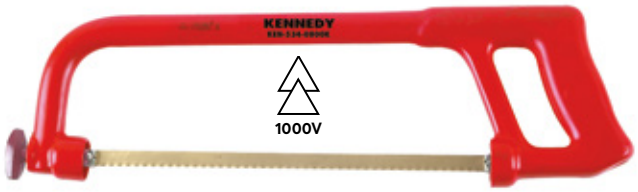
1000V

Tested and insulated to 1000V AC and 1500V DC for live line working. All insulation is moulded in one piece, uses conventional junior hacksaw blades. **EN 60900:2012.**

| Overall Length | Weight each | Order Code KEN-534 |
|---|---|---|
| 150mm (6") | 264g | **-0600K** |

## KENNEDY® Insulated Hacksaw

Die cast frame with 'D' style handle for user comfort and control. Wing nut blade tensioning. Supplied complete with 300mm 24tpi blade. Fully insulated, conforms to **EN 60900:2012** standards for safe electrical applications up to 1000V.




| Overall Length | Weight each | Order Code KEN-534 |
|---|---|---|
| 400mm | 619g | **-0800K** |

## KENNEDY® Insulated Tweezers

Straight/bent pattern tweezers with serrated gripping surfaces, quality tested and insulated to 1000V AC. Conforms to **EN 60900:2012** standards. **Exposed blade length:** 15mm.

**Straight Pattern**

**Bent Pattern**

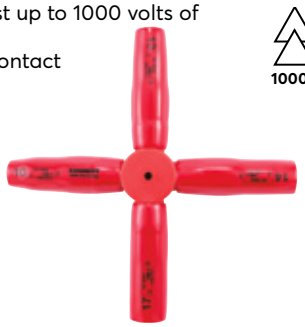
1000V

| Overall Length | Type | Weight each | Order Code KEN-534 |
|---|---|---|---|
| 145mm | Straight | 40g | **-1120K** |
| 145mm | Curved | 40g | **-1140K** |

## KENNEDY® Insulated Centre Cross Key

- Multi-layer insulated to isolate against up to 1000 volts of electricity
- Prevents the possibility of electrical contact
- **IEC 60900**

1000V



| Drive Size | Order Code KEN-534 |
|---|---|
| 10/13/14/17mm | **-2275K** |
| 13/14/17/19mm | **-2277K** |

## KENNEDY® Insulated Ring Spanner Set

- Sturdy tool case inlay keeps tools secure when on the move
- Sizing information printed on the spanner bodies for easy identification
- Multi-layer insulation isolates against up to 1000 volts of electricity

1000V

**Contents**
- 6 x insulated ratchet spanners (10mm, 11mm, 12mm, 13mm, 14mm, 17mm)
- **IEC 60900**

| Number of pieces | Overall Length | Order Code KEN-534 |
|---|---|---|
| 6 | 140mm | **-2324K** |

## KENNEDY® Insulated VDE Reversible Ratchet Set NEW

- Multi-layer insulation on each item delivers protection against up to 1000 volts of electricity
- Storage case features a two-colour inlay to keep tools secure when on the move
- **IEC 60900**

1000V

**Contents (9 Pieces)**
- 1 x reversible ratchet tool
- 1 x extension bar
- 7 x sockets (10mm, 11mm, 12mm, 13mm, 14mm, 17mm,19mm)
- 1 x plastic case with inlay

(For 9 pieces only)

**Contents (18 Pieces)**
- 1 x 200mm T-handle
- 2 x extension bars (125mm, 250mm)
- 11 x sockets (10mm, 11mm, 12mm 13mm, 14mm, 17mm, 19mm, 22mm, 24mm, 27mm, 32mm)
- 3 x hex sockets (5mm, 6mm, 8mm)
- 1 x 260mm reversible ratchet

**9 Pieces**

**18 Pieces**

| Number of pieces | Order Code KEN-534 |
|---|---|
| 9 | **-2248K** |
| 18 | **-2249K** |

## KENNEDY® Insulated Reversible Ratchet Safety Tool Set

- Dual-layer insulation protects against up to 1000 volts of electricity
- Sturdy plastic case with insert keeps tools secure when on the move
- **IEC 60900**

1000V

**Contents (14 Pieces)**
- 1 x 200mm reverse ratchet
- 1 x 200mm t-handle
- 2 x extension bars (125mm, 250mm)
- 7 x sockets (8mm, 10mm, 11mm, 13mm, 14mm, 17mm, 19mm)
- 3 x hex sockets (4mm, 5mm, 6mm)

**Contents (18 Pieces)**
- 1 x 200mm t-handle
- 2 x extension bars (125mm, 250mm)
- 11 x sockets (10mm, 11mm, 12mm, 13mm, 14mm, 17mm, 22mm, 24mm, 27mm, 32mm)
- 3 x hex sockets (5mm, 6mm, 8mm)
- 1 x 370mm torque wrench

**14 Pieces**

**18 Pieces**

| Number of pieces | Order Code KEN-534 |
|---|---|
| 14 | **-2251K** |
| 18 | **-2255K** |

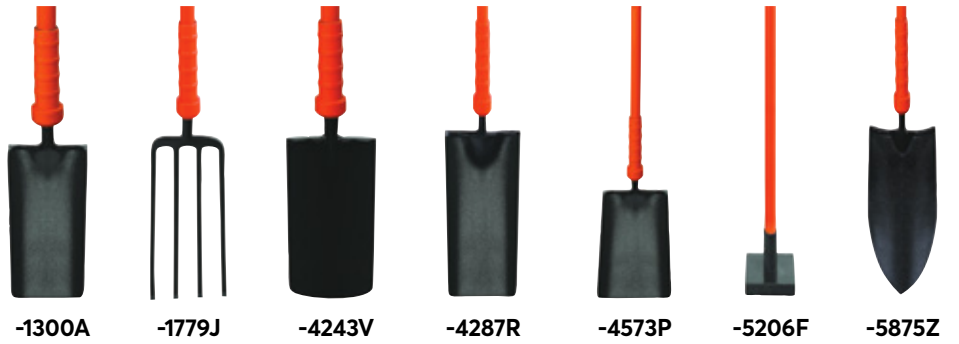
# INSULATED CONTRACTORS TOOLS



## KENNEDY Insulated Tools

NEW

- Designed for use in areas with live electricity
- Cable protection provides a safeguard against hidden electrical cables
- Manufactured as per BS8020:2011 standards for quality assurance



-1300A -1779J -4243V -4287R -4573P -5206F -5875Z

-6798H -7475L -8040D -9613M -9898V -9913L

| Tool Type | Order Code KEN-534 |
|---|---|
| Cable Laying | -1300A |
| Trenching | -1779J |
| Grafting | -4243V |
| Taper Mouth | -4287R |
| Square Mouth | -4573P |
| Tamper | -5206F |
| Round Mouth | -5875Z |

| Tool Type | Order Code KEN-534 |
|---|---|
| Fencers Graft | -6798H |
| Post Hole | -7475L |
| General Service | -8040D |
| Newcastle Drainer | -9613M |
| Trenching | -9898V |
| Cross | -9913L |

## KENNEDY Insulated Club Hammers

NEW

- Designed for use in areas with live electricity
- Cable protection provides a safeguard against hidden electrical cables
- Manufactured as per BS8020:2011 standards for quality assurance

| Head Weight g | Head Weight oz. | Head Dia. mm | No. Pieces | Overall Length mm | Overall Length in. | Order Code KEN-534 |
|---|---|---|---|---|---|---|
| 1830 | 64.551 | 55 | 8 | 300 | 11.81 | -2334N |

## KENNEDY Insulated Claw Hammer

NEW

- Designed for use in areas with live electricity
- Cable protection provides a safeguard against hidden electrical cables
- Manufactured as per BS8020:2011 standards for quality assurance

| Head Weight g | Head Dia. mm | No. Pieces | Overall Length mm | Overall Length in. | Order Code KEN-534 |
|---|---|---|---|---|---|
| 560 | 29.22 | 24 | 300 | 11.81 | -1415X |

## KENNEDY Insulated Sledge Hammers

NEW

- Variety of weights suitable for a range of different uses
- Designed for use in areas with live electricity
- Cable protection provides a safeguard against hidden electrical cables
- Manufactured as per BS8020:2011 standards for quality assurance

| Head Weight g | Head Dia. mm | No. Pieces | Overall Length mm | Overall Length in. | Order Code KEN-534 |
|---|---|---|---|---|---|
| 3060 | 56 | 4 | 910 | 35.82 | **-9794H** |
| 6050 | 70 | 2 | 925 | 36.41 | **-9794J** |

## KENNEDY Insulated Pick Axe

NEW

- Cable protection provides a safeguard against hidden electrical cables
- Manufactured as per BS8020:2011 standards for complete quality assurance
- The 7lbs weight ensures effective and efficient digging and breaking

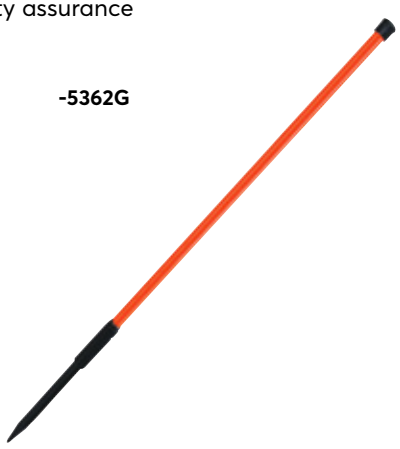
| Head Size oz. | Order Code KEN-534 |
|---|---|
| 112 | **-0517M** |

## KENNEDY Insulated Crowbars

NEW

- Designed for use in areas with live electricity
- Cable protection provides a safeguard against hidden electrical cables
- Manufactured as per BS8020:2011 standards for quality assurance

**-5362G**



**-4157M**

| Type | Order Code KEN-534 |
|---|---|
| Double End Crowbar | **-4157M** |
| Single End Crowbar | **-5362G** |

# TAPE MEASURES

## KENNEDY Auto Locking Tape Measures

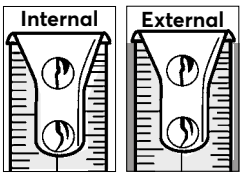
Blades are reverse printed and have a nylon coating for extra life. The double-sided marking makes all the difference when measuring ceilings and window reveal etc. All come with an automatic brake which locks the blade in position during use until you press the release control button. They also benefit from a sliding magnetic hook and belt clip.

EEC CLASS II ACCURACY

| Blade Length | Blade Width | Order Code KEN-536 |
|---|---|---|
| 3m | 16mm | -1730K |
| 5m | 25mm | -1750K |
| 3m/10' | 16mm | -1830K |
| 5m/16' | 25mm | -1850K |
| 8m/26' | 25mm | -1880K |

## YAMOTO Rubber Grip Tape Measures

**'Dynamic Grip'**
Textured rubber non-slip grip case for improved comfort and impact resistance. Locking spring assisted blade return. Rivetted metal end hook. Steel belt clip and wrist strap.
Action lock holds the blade precisely where you want it.
Blades and hooks are heavy gauge and corrosion resistant, designed for industrial use.
Self-aligning hooks ensure accuracy for internal and external measurements.




5m and longer tape hooks have four rivets (3m/10' tape hooks have two). Metric/English blades have 1/32", 1/16" inch and mm graduations. Metric-only blades have mm and cm graduations.

EEC CLASS II ACCURACY

| Blade Length | Blade Width | Order Code YMT-536 |
|---|---|---|
| 3m | 16mm | -1440K |
| 5m | 19mm | -1460K |
| 8m | 25mm | -1490K |
| 3m/10' | 16mm | -1430K |
| 5m/16' | 19mm | -1450K |
| 7.5m/25' | 25mm | -1480K |
| 10m/33' | 25mm | -1500K |

## SENATOR QUALITY TOOLING Locking Tape Measures

Tough plastic case with a slide action blade lock. Locking spring assisted blade return. Riveted metal end hook. Steel belt clip and wrist strap. Action lock holds the blade precisely where you want it. Blades and hooks are heavy gauge and corrosion-resistant. Self-aligning hooks ensure accuracy for internal and external measurements. 5m and longer tape hooks have four rivets (3m/10' tape hooks have two).

**Chrome Cased**

| Blade Length | Blade Width | Weight each | Order Code SEN-536 |
|---|---|---|---|
| **Metric Only Blades** | | | |
| 3m | 16mm | 130g | -6040K |
| 5m | 19mm | 210g | -6060K |
| **Metric & Inch Blades** | | | |
| 3m/10' | 16mm | 115g | -6030K |
| 5m/16' | 19mm | 200g | -6050K |
| 8m/25' | 25mm | 365g | -6080K |

**Hi-Vis Cased**

EEC CLASS II ACCURACY

| Blade Length | Blade Width | Order Code SEN-536 |
|---|---|---|
| **Metric Only Blades** | | |
| 3m | 16mm | -1440K |
| 5m | 19mm | -1460K |
| **Metric & Inch Blades** | | |
| 3m/10' | 16mm | -1430K |
| 5m/16' | 19mm | -1450K |
| 7.5m/25' | 25mm | -1480K |
| 10m/33' | 25mm | -1500K |

## KENNEDY® Metric Measuring Wheel

Robust, lightweight design with impact resistant wheel and patented gear transmission structure with weather resistant housing. Folding aluminium handle automatically 'clicks' into extended position. Five digit counter. 2 reset buttons. Spring loaded kickstand. 'Exact Point' indicator. Trigger operated brake. Supplied with carry case.

**Length folded:** 505mm
**Length extended:** 995mm
**Wheel:** 319mm diameter

99 METRES

**Metric Only**

999 10CM

**Five digit counter - reads up to 9,999.9m (10km)**

| Weight | Order Code KEN-536 |
|---|---|
| 1.96kg | -9010K |

## KENNEDY® Surveyor's Fibreglass Tape Measure

A high tensile strength fibreglass tape that will never kink or rust. It is white on one side and yellow on the other to help prevent twisting and the blade is double-coated to protect the markings which feature both metric and imperial measurements. Housed in a robust ABS open frame with folding end claw and large D type handle with rubber insert for a comfort grip. It also has a quick, 2x fast retraction function and marking spike.

| Blade Length | Order Code KEN-536 |
|---|---|
| 50m/165' | -3960K |
| 100m/330' | -3990K |

## KENNEDY® Steel Tape Measures

Non-reflective steel tape with nylon coated blade for maximum durability. The tape is housed in a high impact ABS plastic case with flush winding handle and belt clip. For ease of use, the tape is finished off with a handy plastic loop and metal end hook.

| Blade Length | Order Code KEN-536 |
|---|---|
| 20m/66' | -3720K |
| 30m/100' | -3740K |

## SENATOR QUALITY TOOLING Pull/Push Tape Measures

With spring blade return. Self-adjusting hook for internal and external reading. Metric and inch readings. ABS casing. End hook has two rivets, graduated with 1/32", 1/16" and mm.

EEC CLASS II ACCURACY

| Blade Length | Blade Width | Order Code SEN-536 |
|---|---|---|
| 2m/6' | 13mm | -1130K |
| 3m/10' | 13mm | -1140K |

## SENATOR QUALITY TOOLING Fibreglass Tape Measures

A high tensile strength fibreglass blade that is both water- and corrosion-proof. It has an easy to read dual scale (metric and imperial), reinforced blade tip and metal end claw. The tape is presented in an impact resistant ABS plastic case with flush fitting winding handle and convenient strap handle

| Blade Length | Blade Width | Order Code SEN-536 |
|---|---|---|
| 10m/33' | 9.5mm | -2420K |
| 20m/66' | 9.5mm | -2440K |
| 30m/100' | 9.5mm | -2460K |

# KNIVES



## Considerations To Make When Choosing A Safety Knife

**1.** The knife is suitable for use - for the purpose and conditions in which it is to be used

**2.** Risk of cut injuries - created by using the knife are eliminated where possible or controlled as far as reasonably practicable

**3.** Risk of avoidable damage and spoilage - to products and materials by the knife are eliminated

**4.** Knife is maintained - to be safe to protect health and safety and it remains suitable for its intended purpose

**5.** Staff wellbeing is prioritised - by involving knife users in the selection process

| Safety Level | | Safety Knives |
|---|---|---|
| Ultimate | 5 | **Recessed blade**<br>Designed specifically to maximise user safety. The blade is recessed and concealed in the knife body making it almost impossible to touch. |
| Very High | 4 | **Ceramic blade**<br>Safer than traditional blades and last longer than steel blades. |
| High | 3 | **Restricted blade depth**<br>The blade only comes out a certain amount. |
| Very Good | 2 | **Auto return blade (page 339)**<br>Also known as a Smart knife, the blade retracts when the slide button or lever is released or automatically when losing contact with the material being cut. |
| Good | 1 | **Spring return blade (page 339)**<br>The blade retracts when the slide button or lever is released. |

## Product Damage

Experience from specialist Knife Risk Assessments show that product damage is identified during almost in every UK warehouse and picking operational risk assessment, sometimes running to thousands of pounds per annum. In one major clothes retailer, knife cuts slashed garments worth in excess of £2500 every week. The workforce were paid per box opened. The business assumed the damage had happened at the clothes manufacturer or in transit - they had not realised just how damaging a knife could be and that it was happening in the heart of their UK warehouse and picking operation.

The solution was easy - a knife with a concealed blade where no blade touches the garments but sliced open the box every time. The losses stopped immediately, with training videos and safety posters helping management effect behavioural change.

## Utility Knives

**Manual return blade (pages 339 - 340)**
The blade is manually retracted into the handle.

**Fixed blade (page 340)**
No retraction or safe covering.

**Snap-off blade (pages 342 - 343)**
Blade can be snapped off when blunted to reveal a new sharp edge.

## You must be 18 or over to purchase knives & blades

Age Requirements for Specific Goods such as solvents, axes, knives and knife blades, carry restrictions relating to sales.

We therefore have additional processes in place to ensure that sales will only be made in accordance to the requirements and you may be asked to validate that your address for delivery is to a named business location.

Online sales are restricted and if you are making the purchase in one of our sales locations please do not be offended if you are requested to provide proof of age.

For more information please see our Age Restricted Goods Policy on www.cromwell.co.za

# UTILITY SAFETY KNIVES - AUTO RETURN BLADE



| Safety level 2 **Very Good** | | Safety Level 2 Very Good | Squeeze trigger | Ambidextrous | Aluminium body | Plastic body | Lanyard hole | Strap cutter | Tape splitter | Bi-material grip | Bade depth setting | 3 sided slide button | Spare blade storage | Tool-less blade change | Order Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Kennedy®** | · | | · | · | | | · | · | · | | | | · | KEN-537-0780K |

## KENNEDY® Automatic Retractable Safety Knife/Strap Cutter

Blade automatically retracts when losing contact with surface.
Accepts medium, Nehéz duty şi hook blades.

| Product Number | Order Code **KEN-537** |
|---|---|
| SX1212 | **-0780K** |
| Blades | **-7610K** |

## Spring Return Blade

| Safety level 1 **Good** | | Safety Level 1 Good | Ambidextrous | Aluminium body | Glass fibre reinforced plastic body | Lanyard hole | Bi-material grip | Spare blade storage | Tool-less blade change | Folding body | Sliding body | Order Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Kennedy®** | · | · | · | | · | | · | | | | KEN-537-0515K |
| | **Kennedy®** | · | · | · | | | · | · | · | | | KEN-537-0790K |

## KENNEDY® Auto Retractable Safety Knife

Fixed blade. Spring loaded plastic slide mechanism, automatically retracts the blade back into the handle when pressure is released.
Accepts heavy duty blades only.

| Overall Length | Weight each | Order Code **KEN-537** |
|---|---|---|
| 150mm | 165g | **-0515K** |

## KENNEDY® Auto Retractable Quick Release Safety Knife

Designed for comfort and ease of use, this knife has auto retractable blade and bi- material comfort grip. It also features quick blade release and easy release blade storage.
Comes complete with 4 blades.

| Product Number | Order Code **KEN-537** |
|---|---|
| SX660 | **-0790K** |

## Manual Return Blade

| | | Aluminium body | Lanyard hole | Bi-material handle | Spare blade storage | Tool-less blade change | Folding body | Two knives in one | Scabbard included | Raised thumb grip | Order Code |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Kennedy®** | · | · | · | · | | | | · | | KEN-537-1000K |

## KENNEDY® Retractable Blade Knife with Scabbard

Trimming knife supplied with heavy duty blade and impact resistant scabbard.

| Overall Length | Weight each | Order Code **KEN-537** |
|---|---|---|
| 170mm | 300g | **-1000K** |

# UTILITY SAFETY KNIVES - MANUAL RETURN BLADE

| | | Aluminium body | Lanyard hole | Bi-material handle | Spare blade storage | Tool-less blade change | Folding body | Two knives in one | Scabbard included | Raised thumb grip | Order Code |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Kennedy® | · | · | · | · | | | | | | KEN-537-0800K |
| | Kennedy® | · | · | | · | | | | | | KEN-537-0500K |
| | Kennedy® | · | · | | · | | | | | · | KEN-537-0510K |
| | Senator | · | · | | · | | | | | | SEN-537-0500K |

## KENNEDY® Quick Release Utility Knife

Classic design which features quick blade release button, comfort grip handle and lanyard hole.

| Product Number | Order Code KEN-537 |
|---|---|
| SX75N | -0800K |

## KENNEDY® Retractable - Complete with 5 Heavy Duty Blades

Slimline diecast body with contoured grip. High carbon steel blades. Spare blades can be stored in the handle.

| Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|
| 155mm | 170g | -0510K |

## KENNEDY® Retractable - Complete with 5 Heavy Duty Blades

Slimline die cast body designed to fit comfortably in the hand, with high carbon steel blades. Up to five spare blades can be stored in the handle.

| Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|
| 160mm | 120g | -0500K |

## SENATOR QUALITY TOOLING Retractable Trimming Knife

Diecast aluminium body with retractable locking blade, built-in hanging hook. Complete with 1 spare blade.

| Overall Length | Weight each | Order Code SEN-537 |
|---|---|---|
| 160mm | 150g | -0500K |

## Fixed Blade

| | | Aluminium body | Lanyard Hole | Bi-material handle | Spare blade storage | Tool-less blade change | Folding body | Scabbard included | Order Code |
|---|---|---|---|---|---|---|---|---|---|
| | Kennedy® | · | · | | · | · | | · | KEN-537-0480K |
| | Kennedy® | · | · | | · | | | | KEN-537-0530K |

## KENNEDY® Hercules Pattern Trimming Knives

Heavy duty fixed blade pattern, with interlocking body to prevent blade pop up during arduous cutting applications. The spring opening mechanism allows rapid replacement of dulled blades without the need for any other tool. Spare blades are stored in body.

**Fixed Blade**

**Impact Resistant Scabbard**

The spring opening mechanism allows rapid replacement of dulled blades

| Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|
| 185mm | 347g | -0480K |

## KENNEDY® Fixed - Complete with 5 Heavy Duty Blades

Die cast body with heavy duty knurled style for extra grip which provides a greater degree of control and comfort.

| Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|
| 135mm | 150g | -0530K |

# UTILITY KNIVES - REPLACEMENT BLADES



## KENNEDY® Knife Blades

Kennedy® Industrial quality knife blades have a superior edge hardening for longer tool life and sharper edge.

**Medium Duty**
For use on paper, card and leather.

| Pack Quantity | Weight Per Pk | Order Code KEN-537 |
|---|---|---|
| 5 | 30g | -2540K |
| 100 | 250g | -2550K |

**Heavy Duty**
For use on carpets and vinyl.

| Pack Quantity | Weight Per Pk | Order Code KEN-537 |
|---|---|---|
| 5 | 30g | -2560K |
| 10 | 55g | -2500K |
| 100 | 250g | -2570K |

**Hook Type**
With point, suitable for penetrating and cutting sheet materials.

| Pack Quantity | Weight Per Pk | Order Code KEN-537 |
|---|---|---|
| 5 | 30g | -2580K |
| 100 | 250g | -2590K |

# KNIVES - 18MM & 9MM SNAP-OFF



| | 18mm Wide Blade | 8 Segment Blade | 9mm Wide Blade | 7 Segment Blade | 13 Segment Blade | Micro knife | Disposable | Ultra Slim | Auto Load Blades | Blade Lock | Soft Grip | Blade Snapper | Plastic Body | Metal Body | Wheel Lock | Order Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kennedy® | • | • | | | | | | | • | | • | | • | | | KEN-537-0740K |
| Kennedy® | • | • | | | | | | | | | | | • | | | KEN-537-0350K |
| Kennedy® | • | • | | | | | | | | | | | • | | | KEN-537-0370K |
| Senator | • | • | | | | | | | | | | | • | | | SEN-537-0330K |
| Senator | • | • | | | | | | | | • | | | • | | | SEN-537-0410K |
| Kennedy® | | | • | | • | | | | • | | • | | • | | | KEN-537-0720K |
| Kennedy® | | | • | | • | | | | | | | | • | | | KEN-537-0310K |
| Kennedy® | | | • | | • | | | | | | | | • | | | KEN-537-0290K |
| Kennedy® | | | • | • | | • | • | | | | | | • | | | KEN-537-0200K |
| Senator | | | • | | • | | | | | • | | | • | | | SEN-537-0430K |
| Kennedy® | | | • | | • | | | • | | | | | | • | | KEN-537-0250K |

## KENNEDY® Autoload & Lock Knife

ABS plastic with rubber coating for extra grip. Steel blade slides prevent blade slippage or case splitting and give the knife a smooth action.
**Auto- load feature. As used blade is ejected, a new blade is automatically loaded into place.**

| Overall Length | Blade Segments | Weight each | Order Code KEN-537 |
|---|---|---|---|
| 170mm | 8 | 165g | -0740K |

## KENNEDY® Snap-off Blade Retractable Knife

High strength ABS plastic construction with slider lock.

**Standard:** 160mm. 18 x 100mm, 8 segment blade.

| Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|
| 160mm | 86g | -0350K |

## KENNEDY® Snap-off Blade Retractable Knife

High strength ABS plastic construction with slider lock.

**Standard:** 18 x 100mm. 8 segment blade.

| Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|
| 160mm | 38g | -0370K |

## SENATOR QUALITY TOOLING Utility Knives

A range of Snap-off blade knives with contoured moulded grips and steel slides. Blade locking mechanism in the thumb slide. Replacement blades available on request.

**Snap-off Blade**
8 segment, 18mm heavy duty.

| Overall Length | Weight each | Order Code SEN-537 |
|---|---|---|
| 130mm | 60g | -0330K |

## SENATOR QUALITY TOOLING Snap-off Blade Knife

8 segment, 18mm economy.

| Overall Length | Weight each | Order Code SEN-537 |
|---|---|---|
| 130mm | 60g | -0410K |

# KNIVES - 18MM & 9MM SNAP-OFF



## KENNEDY® Snap-off Knife Blades

Kennedy® Industrial quality knife blades have a superior edge hardening for longer tool life and sharper edge. Best value with longer working between blade changes.

| Overall Length | Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|---|
| 18 x 100 | 10 | 72g | -2050K |
| | 50 | | -2070K |

## KENNEDY® Autoload & Lock Knife

ABS plastic with rubber coating for extra grip. **Unique spring loaded automatic blade replacement.**

| Overall Length | Blade Segments | Weight each | Order Code KEN-537 |
|---|---|---|---|
| 140mm | 13 | 65g | -0720K |

## KENNEDY® Snap-off Blade Retractable Knives

High strength ABS plastic construction with slider lock.
**Mini:** 140mm. 9 x 91mm, 13 segment blade.

| Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|
| 140mm | 32g | -0310K |

**Mini:** 9 x 91mm, 13 segment blade.

| Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|
| 130mm | 21g | -0290K |

**Retractable Micro Pocket Knife**
Blade snapper and locking mechanism. 7 segment 9mm wide blade.

| Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|
| 100mm | 6g | -0200K |

## KENNEDY® Ultra Slim Retractable Knife

Precision knife. Black coated. 13 segment, blade 9 x 91mm.

| Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|
| 130mm | 20g | -0250K |

## KENNEDY® Snap-off Knife Blades

Kennedy® Industrial quality knife blades have a superior edge hardening for longer tool life and sharper edge. Best value with longer working between blade changes and with easy, safe segment-snap to renew leading edge.

**9 x 91mm - 13 segments**

| Overall Length | Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|---|
| 9 x 91 | 10 | 23g | -2110K |
| | 50 | | -2140K |

## SENATOR QUALITY TOOLING Utility Knife

Contoured moulded grip and steel slide. Blade locking mechanism in the thumb slide.

**Snap-off Blade**
13 segment, 9mm standard.

| Overall Length | Weight each | Order Code SEN-537 |
|---|---|---|
| 130mm | 60g | -0430K |

# KNIVES - CRAFT & PRECISION



## KENNEDY® Disposable Knife

Fixed ground steel blade. Non-slip finger/thumb grip. Ideal for industrial use, modelling and craft work. Plastic safety cap with pocket clip.

| Overall Length | Order Code KEN-537 |
|---|---|
| 155mm | -0070K |

## KENNEDY® Non-Sterile Handles

**No.3 & 4 Style**
Non-sterile nickel alloy handle with textured body. For precision use in modelling and craft work. Dulled blades can be changed quickly and easily.

| Handle Type | Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|---|
| No.3 | 123mm | 27g | -7230K |
| No.4 | 135mm | 27g | -7240K |

## KENNEDY® Carbon Steel Non-Sterile Blades

**No.10A**
Non-sterile, for use with No.3 type handle.

| Style | Pack Quantity | Order Code KEN-537 |
|---|---|---|
| 10A | 100 | -7015K |

**No.11**
Non-sterile, for use with No.3 type handle.

| Style | Pack Quantity | Order Code KEN-537 |
|---|---|---|
| 11 | 100 | -7025K |

**No.21**
Non-sterile, for use with No.4 type handle.

| Style | Pack Quantity | Order Code KEN-537 |
|---|---|---|
| 21 | 100 | -7045K |

**No.22**
Non-sterile, for use with No.4 type handle.

| Style | Pack Quantity | Order Code KEN-537 |
|---|---|---|
| 22 | 100 | -7055K |

**Each blade is packaged in safety foil for easier handling.**

**No.24**
Non-sterile, for use with No.4 type handle.

| Style | Pack Quantity | Order Code KEN-537 |
|---|---|---|
| 24 | 100 | -7075K |

**No.23**
Non-sterile, for use with No.4 type handle.

| Style | Pack Quantity | Order Code KEN-537 |
|---|---|---|
| 23 | 100 | -7065K |

**No.26**
Non-sterile, for use with No.4 type handle.

| Style | Pack Quantity | Order Code KEN-537 |
|---|---|---|
| 26 | 100 | -7085K |

# KNIVES - PRECISION & POCKET



## KENNEDY® Precision Knife Set

Multi-purpose knife set, ideal for modelling, craft work and industrial use. Covers a wide range of applications including cutting, chiselling, stencilling and scoring. All holders have a positive guide locator to provide extra safety when changing blades.

**Contents:**
1x light duty holder.
1x medium duty holder.
1x fluted ABS holder.
1x general cutting and trimming blade.
1x general cutting and slicing blade.
3x detail cutting and stripping blade.
1x medium/heavy duty cutting blade.
1x stencilling and scoring blade.
1x precision wood chiselling blade.
1x deep cross and smooth wood chiselling blade.
2x chiselling and trimming blade.
1x heavy duty cutting blade.
1x close corner cutting blade.

| Number Of Pieces | Weight each | Order Code KEN-537 |
|---|---|---|
| 16 | 235g | -5100K |

## SENATOR QUALITY TOOLING Locking Knives

- Handle is made from rosewood for resilience and bolstered user comfort
- Blades are manufactured from stainless steel for durability and precision cutting
- Available in two sizes to suit your needs
- Brass fittings hold the blade securely in place
- Ambidextrous design allows bot left and right handed users to operate the knife

| Overall Length | Order Code SEN-537 |
|---|---|
| 150mm | -1200K |
| 200mm | -1300K |

## KENNEDY® Precision Blades

### General Cutting & Trimming

| Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|
| 10 | 9g | -7520K |

### General Cutting & Slicing

| Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|
| 10 | 9g | -7280K |

### Detail Cutting & Stripping

| Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|
| 5 | 8g | -7310K |

### Stencilling & Scoring

| Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|
| 5 | 9g | -7350K |

## KENNEDY® Precision Knives

Suitable for modellers art and craft workers and wood carvers. Ideal for making point of sale samples where precision cutting is required. Available in three styles:

**TK1 - Light duty:** lightweight, small diameter aluminium handle suitable for cutting on paper, soft and lightweight materials or wood.

**TK2 - Medium duty:** lightweight, large diameter aluminium handle suitable for cutting heavy paper and medium density materials.

**TK5 - Heavy duty:** fluted, ABS plastic handle suitable for working with hardwood, plastic and other difficult to cut materials.

| Product Number | Duty | Weight each | Order Code KEN-537 |
|---|---|---|---|
| TK1 | Light | 28g | -4610K |
| TK2 | Medium | 47g | -4620K |
| TK5 | Heavy | 47g | -4630K |

### Precision Wood Chiselling

| Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|
| 5 | 12g | -7550K |

### Deep Cross & Wood Chiselling

| Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|
| 5 | 9g | -7400K |

### Chiselling & Trimming

| Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|
| 10 | 10g | -7410K |

### Heavy Duty Cutting

| Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|
| 5 | 9g | -7420K |

### Close Corner Cutting

| Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|
| 10 | 9g | -7480K |

### Medium/Heavy Duty Cutting

| Pack Quantity | Weight each | Order Code KEN-537 |
|---|---|---|
| 10 | 10g | -7470K |

# SAFETY KNIVES - RECESSED BLADE



| Safety level 5 **Ultimate** | | Safety Level 5 Ultimate | Pull Cutter | Push Cutter | One Cutting Edge | Two Cutting Edges | Disposable | Replacement Head | Replacement Blade | Tape Splitter | Scraper | Lockable Blade Change | Tether Point | Spare Blade Storage | Staple Remover | Soft Grip | Order Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Avon** | • | • | | • | | • | | | | | | • | | | | AVN-537-0020K |
| | **Avon** | • | | • | • | | • | | | • | | | • | | | | AVN-537-0010K |
| | **Senator** | • | • | | • | | • | | | | | | | | | | SEN-537-2000K |

## AVON Disposable Cutting Safety Knife

High impact plastic handle with enclosed blade to ensure maximum user safety.

| Overall Length | Order Code **AVN-537** |
|---|---|
| 154mm | **-0020K** |

## AVON Fish 2000 Safety Knife

Has an enclosed blade within a 4.7mm gap and an auto-retracting hook blade.

| Overall Length | Order Code **AVN-537** |
|---|---|
| 155mm | **-0010K** |

## SENATOR QUALITY TOOLING Disposable Carton & Strap Cutter

The blade is partially exposed to prevent accidental cuts.

| Overall Length | Order Code **SEN-537** |
|---|---|
| 80mm | **-2000K** |

# UTILITY SAFETY KNIVES / WIRE & CABLE STRIPPERS



## Spring Return Blade

| Safety level 1 Good | | Safety Level 1 Good | Ambidextrous | Aluminium body | Glass fibre reinforced plastic body | Lanyard hole | Bi-material grip | Spare blade storage | Tool-less blade change | Folding body | Sliding body | Order Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Kennedy®** | · | · | · | | | · | | | | · | **KEN-537-1120K** |

### KENNEDY® Quick Change Utility Knife

An innovative sliding blade holder with durable soft touch composite casing. Quick and easy to change blade with no tools needed. One handed operation.

| Overall Length | Weight each | Order Code KEN-537 |
|---|---|---|
| 115mm | 120g | **-1120K** |

## Fixed Blade

| | | Aluminium body | Lanyard Hole | Bi-material handle | Spare blade storage | Tool-less blade change | Folding body | Scabbard included | Order Code |
|---|---|---|---|---|---|---|---|---|---|
| | **Kennedy®** | · | | · | | · | · | | **KEN-537-0640K** |

### KENNEDY® Quick Release Folding Knife

Quick release blade and folds to 9 x 3.5cm to stow using the integral belt clip. Accepts medium, heavy duty and hook blades. With blade guard.

| Product Number | Order Code KEN-537 |
|---|---|
| KQF935 | **-0640K** |

### KENNEDY® Window Scraper Replacement Blades

(10 Pack)

| Blade length | Width | Order Code KEN-537 |
|---|---|---|
| 40mm | 10mm | **-7560K** |

### KENNEDY® Wire and Cable Strippers

**NEW**

- Precise 0.125mm stripping, protecting the integrity of delicate fibre cores
- Funnel-shaped opening for effortless cable insertion
- Adjustable length stop ranging from 5 to 45mm
- No cutting depth adjustments needed
- Durable and designed to withstand regular use while maintaining effectiveness
- Ergonomic design

| Maximum Compatible Wire Size | Overall Length | Order Code KEN-537 |
|---|---|---|
| 0.125mm | 112mm | **-1245T** |
| 4.6mm | 160mm | **-2898C** |
| 0.8mm | 112mm | **-9091L** |
| 28mm | 145mm | **-4000K** |
| 28mm | 145mm | **-4010K** |

# SAW FRAMES



## KENNEDY® Hacksaw Frames
**Pro-Grip Junior**

150mm (6") Blade

Rigid steel frame. Contoured die cast handle with knuckle guard. Thumb screw blade tensioner.
Complete with blade.

| Overall Length | Weight per 12 | Order Code KEN-538 |
|---|---|---|
| 235mm | 2.50kg | -0550K |

## KENNEDY® Hacksaw Frames
**Beaver Style**

150mm (6") Blade

High impact resistant pistol grip. Steel oval section frame for strength and rigidity. Thumb screw blade tensioning.
Supplied complete with 18tpi metal cutting blade.

| Overall Length | Weight per 12 | Order Code KEN-538 |
|---|---|---|
| 275mm | 1.80kg | -0630K |

## KENNEDY® Pad Saw

145mm Blade

Heavy duty foam grip. Accepts ½" deep hacksaw blades.
Suitable for use in areas of awkward access.

| Overall Length | Weight each | Order Code KEN-538 |
|---|---|---|
| 275mm | 130g | -1000K |

## KENNEDY® Standard Junior Pattern

150mm (6") Blade

Epoxy coated spring steel frame, keeps the blade tensioned correctly at all times. Suitable for smaller applications, where the workpiece cannot be held firmly. Complete with 32tpi blade.

| Overall Length | Weight per 50 | Order Code KEN-538 |
|---|---|---|
| 260mm | 6.40kg | -0600K |

## KENNEDY® Tile Saw

150mm (6") Blade

Abrasive coated blade suitable for cutting intricate shapes, to allow flush fitting of tiles. Supplied with blade.

| Overall Length | Weight each | Order Code KEN-538 |
|---|---|---|
| 200mm | 210g | -3600K |

## KENNEDY® Mini Hand Saw - Comfort Grip

150mm (6") Blade

Plastic pistol grip with slip resistant grooves, spring steel frame.
Complete with blade.

| Overall Length | Weight per 12 | Order Code KEN-538 |
|---|---|---|
| 216mm | 1.20kg | -0620K |

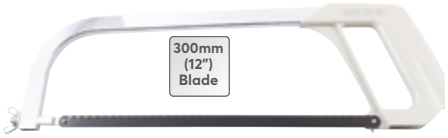
## KENNEDY® Adjustable Hacksaw

Die-cast 'D' style handle for user comfort and control. Epoxy coated tubular steel frame for strength and rigidity. The blade can be set at 90° to the frame to allow cutting in areas with restricted access. Wing nut blade tensioning. Accepts 250mm (10") and 300mm (12") blades. Supplied with blade.

| Overall Length | Weight per 5 | Order Code KEN-538 |
|---|---|---|
| 475mm | 3.20kg | -0650K |

## SENATOR QUALITY TOOLING Hacksaw Frame

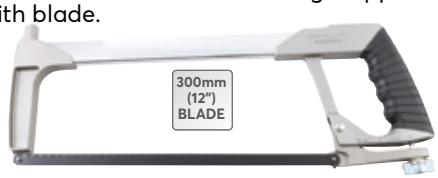
Lightweight body with wing nut blade tensioner. Supplied with blade. Suitable for light duty and workshop use.




| Overall Length | Weight per 6 | Order Code SEN-538 |
|---|---|---|
| 440mm | 3.10kg | -0010K |

## KENNEDY® Professional 'Plus' Hacksaw

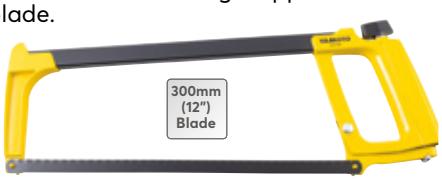
Heavy duty steel frame with front grip and 'D' style handle with grooved slip resistant rubber inlay for positive control and comfort. Wing nut and lever blade tensioning. The blade can be set at 45° to the frame to allow flush cutting. Supplied with blade.




| Overall Length | Weight per 5 | Order Code KEN-538 |
|---|---|---|
| 400mm | 3.80kg | -2350K |

## YAMOTO Lightweight Hacksaw Frame

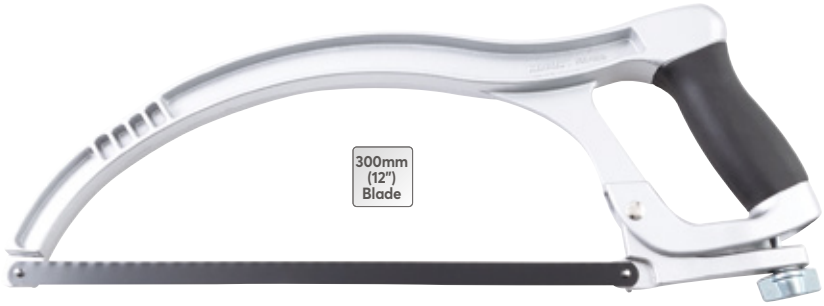
Strong and rigid construction frame with die-cast aluminium handle. Wing nut and lever blade tensioning allow easy blade replacement. The blade can be set at 90° for straight cuts and at 35° to the frame for flush cutting. Supplied with blade.




| Overall Length | Weight per 5 | Order Code YMT-538 |
|---|---|---|
| 400mm | 3.80kg | -2250K |

## KENNEDY® Low Profile Hacksaw

Manufactured from rigid and lightweight aluminium with hi-strength I-beam frame. Moulded 'soft touch' cushion grip. Features wing nut blade tensioning and 0° and 45° blade settings. Supplied with blade.




| Overall Length | Weight per 5 | Order Code KEN-538 |
|---|---|---|
| 410mm | 2.75kg | -0800K |

## KENNEDY® Quick Release Hacksaw

Featuring quick blade release and cushioned die-cast aluminium handle. Precise tension adjustment through ring nut and 45° & 90° blade positioning. Bi-metal blade included.

| Blade Length | Order Code KEN-538 |
|---|---|
| 12in | -2820K |

## KENNEDY® Heavy Duty G-Clamps

Manufactured from drop forged ribbed anti-twist frame steel suited to fabrication and other heavy applications, etc.

| Capacity (mm) | Throat Depth | Weight each | Order Code **KEN-539** |
|---|---|---|---|
| 50 | 33mm | 0.35kg | **-2020K** |
| 75 | 40mm | 0.75kg | **-2030K** |
| 100 | 52mm | 1.40kg | **-2040K** |
| 150 | 82mm | 2.00kg | **-2060K** |
| 200 | 100mm | 3.00kg | **-2080K** |
| 300 | 127mm | 7.60kg | **-2120K** |

## KENNEDY® Heavy Duty Deep Throat Clamps

Special clamp manufactured from drop forged steel, with extra throat depth for clamping workpieces further in from the edges, allowing a greater range of applications.

| Capacity (mm) | Throat Depth | Weight each | Order Code **KEN-539** |
|---|---|---|---|
| 50 | 60mm | 460g | **-2620K** |
| 75 | 80mm | 955g | **-2630K** |
| 100 | 115mm | 2195g | **-2640K** |

## SENATOR QUALITY TOOLING Light Duty Cast G-Clamps

Light duty cast steel. Suitable for tradesmen, engineers, woodworkers etc.

| Capacity | Weight each | Order Code **SEN-539** |
|---|---|---|
| 50mm | 195g | **-1020K** |
| 100mm | 675g | **-1040K** |
| 150mm | 1340g | **-1060K** |

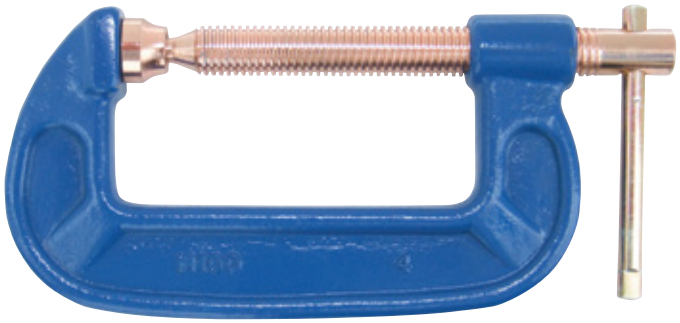
## KENNEDY® Extra Heavy Duty G-Clamps

Manufactured from drop forged steel ribbed anti-twist frame suited to fabrication and welding applications, etc.

| Capacity (mm) | Throat Depth | Weight each | Order Code **KEN-539** |
|---|---|---|---|
| 50 | 32mm | 0.45kg | **-2220K** |
| 75 | 43mm | 0.70kg | **-2230K** |
| 100 | 52mm | 1.40kg | **-2240K** |
| 150 | 72mm | 1.90kg | **-2260K** |
| 200 | 110mm | 4.50kg | **-2280K** |
| 250 | 123mm | 6.00kg | **-2300K** |
| 300 | 130mm | 9.00kg | **-2320K** |

## KENNEDY® Extra Heavy Duty G-Clamps - Copper Plate Screw

Manufactured from drop forged ribbed anti-twist frame steel suited to fabrication and welding applications, etc. Resistant to rusting and weld spatter.



| Capacity (mm) | Throat Depth | Weight each | Order Code **KEN-539** |
|---|---|---|---|
| 50 | 40mm | 0.60kg | **-2420K** |
| 75 | 50mm | 0.70kg | **-2430K** |
| 100 | 65mm | 1.30kg | **-2440K** |
| 150 | 90mm | 3.00kg | **-2460K** |
| 200 | 110mm | 4.50kg | **-2480K** |
| 250 | 130mm | 5.90kg | **-2500K** |
| 300 | 150mm | 9.10kg | **-2520K** |

## SENATOR QUALITY TOOLING One-Handed Speed Clamp

Manufactured from pressed steel for strength and durability. Trigger adjustment based on the sealant cartridge applicator gun. Quick release thumb lever.
High strength hexagonal steel thrust rod with swivel shoe for clamping non parallel surfaces. High strength plastic contact pads.

| Capacity (mm) | Throat Depth (mm) | Order Code **SEN-539** |
|---|---|---|
| 100 | 56 | **-5500K** |

## KENNEDY T-Handle Clamps

General-purpose. Manufactured from medium heat treated carbon steel finished with nickel and chrome plating.
Steel T-spindle for extra clamping force.

**Quick Action**

| Capacity (mm) | Throat Depth (mm) | Order Code **KEN-539** |
|---|---|---|
| 160 | 80 | **-0500K** |
| 200 | 100 | **-0520K** |
| 250 | 110 | **-0540K** |
| 300 | 110 | **-0560K** |
| 400 | 110 | **-0580K** |
| 500 | 110 | **-0600K** |
| 600 | 110 | **-0620K** |

## KENNEDY Heavy Duty T-Handle Clamps

Manufactured from heat treated carbon steel for extra strength. Finished with nickel and chrome plating. Textured T-spindle for extra clamping force.

**Thicker Section For Greater Strength**

| Capacity (mm) | Throat Depth (mm) | Order Code **KEN-539** |
|---|---|---|
| 150 | 60 | **-4200K** |
| 200 | 100 | **-4220K** |
| 300 | 100 | **-4280K** |

## KENNEDY Wooden Handle Speed Clamps

Manufactured from medium heat treated carbon steel with nickel and chrome plated finish. With a straight wooden handle for easy clamping.

**Easy To Use**

| Capacity (mm) | Throat Depth (mm) | Order Code **KEN-539** |
|---|---|---|
| 120 | 60 | **-0800K** |
| 160 | 80 | **-0820K** |
| 200 | 100 | **-0840K** |
| 250 | 130 | **-0860K** |
| 300 | 130 | **-0880K** |
| 400 | 110 | **-0900K** |
| 600 | 110 | **-0940K** |

## KENNEDY Heavy Duty T-Handle Multi-Hold Clamps

Manufactured from heat treated carbon steel for extra strength. Finished with nickel and chrome plating. Textured T-spindle for extra clamping force. Supplied with three replaceable clamping pads for versatility.

**Extremely Versatile**

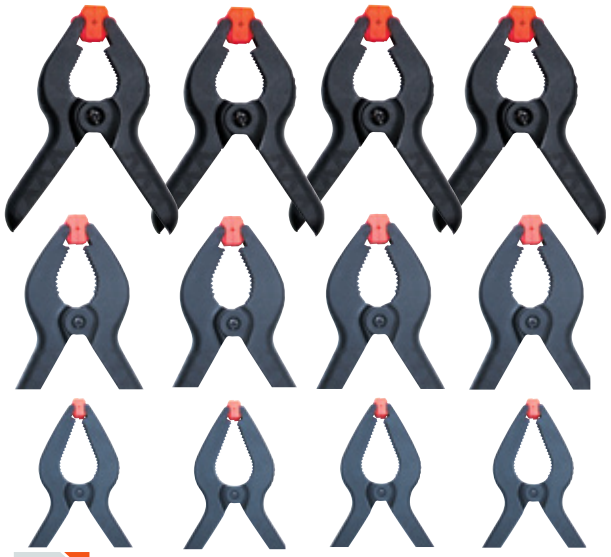
| Capacity (mm) | Throat Depth (mm) | Order Code **KEN-539** |
|---|---|---|
| 250 | 120 | **-4320K** |
| 300 | 120 | **-4340K** |
| 400 | 120 | **-4360K** |
| 500 | 120 | **-4380K** |
| 600 | 120 | **-4400K** |

# CLAMPS

## KENNEDY® Gripper Clamp Set

Spring loaded clamps, as above.

**12 Piece Set Contents:**
4x 120mm,
4x 150mm,
4x 210mm.



12 PIECES

| Weight | Order Code KEN-539 |
|---|---|
| 1564g | **-5400K** |


## THE ULTIMATE AIR GRINDER FOR EVERY SPACE

Elevate your work with Kobe's ultra-compact air grinder.
Designed for precision and power in tight spaces.

Ideal for grinding, polishing, and deburring, this versatile tool ensures flawless results every time. Choose Kobe for unmatched performance and redefine your standards.

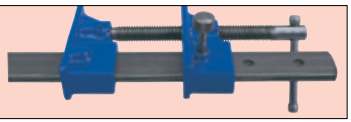
Power. Precision. Perfection.

KOBE™


## KENNEDY® Sash Clamps

SG ductile cast iron heads and slides, bars are manufactured from bright drawn steel. Main screw and handles are made from high grade steel.

**Unique spring load pin mechanism: for quick and easy adjustment. Can't drop out during use.**

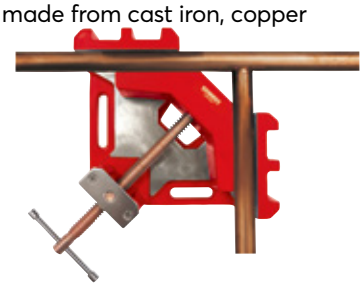


| Capacity (mm) | Weight | Order Code KEN-539 |
|---|---|---|
| 600 | 2.20kg | **-3820K** |
| 910 | 2.75kg | **-3840K** |
| 1220 | 3.25kg | **-3860K** |
| 1670 | 4.00kg | **-3880K** |

**High Grade Steel for Heavy Duty Applications**

## KENNEDY® 90° Welding Angle Clamp

One man set up and operation, made from cast iron, copper plated spindle for spatter protection, T-Handle enables high pressure for secure clamping, easy fixing to a work bench or machine tool table.



| Capacity (mm) | Weight each | Order Code KEN-539 |
|---|---|---|
| 60mm | 05.3kg | **-0360K** |
| 90mm | 10.5kg | **-0390K** |

## KENNEDY® One Handed Quick Action Bar Clamps

Kennedy® Professional Dual Action Quick Clamps are designed for use one handed for speed and convenience. The pistol grip handle houses a ratchet clamping mechanism, that incrementally applies clamping force when you pull the trigger, to release or reposition the clamp jaw hold down the quick release button and slide the jaw along the bar. Can be used as a bar clamp or as a spreader simply by turning the handle around.

**Features include:** 90mm throat depth. Clamping force of up to 180kg. Quick release buttons for both jaws allows them to be positioned quickly anywhere on the bar and can be turned around to act as a spreader. Heavy duty steel bar. Non-slip clamp faces.

| Capacity (mm) | Spread Range (mm) | Order Code KEN-539 |
|---|---|---|
| 175 | 190 - 425 | **-3330K** |
| 325 | 190 - 580 | **-3360K** |
| 475 | 190 - 730 | **-3390K** |
| 625 | 190 - 880 | **-3420K** |
| 925 | 190 - 1125 | **-3450K** |

## KENNEDY® Liquid Measures

Chemical and oil resistant polyethylene.

**Graduations:**
¼ltr - 10ml,
½ltr - 10ml,
1ltr - 10ml,
2ltr - 20ml,
3ltr - 50ml,
5ltr - 100ml.

| Capacity | Weight each | Order Code KEN-540 |
|---|---|---|
| 1/4ltr | 45g | -5500K |
| 1/2ltr | 75g | -5520K |
| 1ltr | 100g | -5540K |
| 2ltr | 180g | -5560K |
| 3ltr | 260g | -5580K |
| 5ltr | 360g | -5600K |

## KENNEDY® Heavy Duty Liquid Measures

Chemical and oil-resistant polyethylene. Integral dispensing spout. Can be used in conjunction with dispensing spouts below.

**Graduations:**
½ltr - ¼ and ½ltr.
1ltr - ¼, ½, ¾ltr.
2ltr - ½, 1, 1½ and 2ltr.
3ltr - 1, 1½, 2, 2½ and 3ltr.
5ltr - 1, 2, 3, 4 and 5ltr.

| Capacity | Weight each | Order Code KEN-540 |
|---|---|---|
| 1/2ltr | 60g | -5700K |
| 1ltr | 100g | -5720K |
| 2ltr | 180g | -5740K |
| 3ltr | 240g | -5760K |
| 5ltr | 340g | -5770K |

### Pouring Spouts

Flexible polyethylene, suitable for use with the spouted funnels and measures.

| Suitable For | Weight each | Order Code KEN-540 |
|---|---|---|
| 1/2 & 1ltr Measures | 5g | -5160K |
| 2, 3, & 5ltr Measures | 15g | -5170K |

## KENNEDY® Tin-Plated Oil Supply Cans

With easy pour handles, extended spout with chain retained end cap and hinged lid cap.

| Capacity litre | Weight each | Order Code KEN-540 |
|---|---|---|
| 3 | 562g | -2540K |
| 5 | 702g | -2560K |
| 10 | 1038g | -2580K |

## KENNEDY® Plastic Funnels

Resistant to oil and chemicals. Heavy duty polyethylene which will not shatter or break in cold weather.

| Diameter (mm) | Order Code KEN-540 |
|---|---|
| 55 | -2812K |
| 75 | -2817K |
| 100 | -2822K |
| 120 | -2832K |
| 150 | -2842K |

**Plastic Funnel Set Contents:**
50, 75, 100 and 125mm.

4 PIECES

| Number of Pieces | Order Code KEN-540 |
|---|---|
| 4 | -2892K |

## KENNEDY® Heavy Duty Plastic Funnels

With anti-splash rims.

| Diameter (mm) | Order Code KEN-540 |
|---|---|
| 160 | -2912K |
| 195 | -2922K |
| 235 | -2932K |
| 350 | -2940K |

## KENNEDY® Plastic Jerry Cans

Secure water containers manufactured from food grade plastic available in 10, 15 and 20ltr capacities, fitted with a collared screw top for ease of refilling and a twist on-off tap for spill free dispensing. The moulded handle design makes it ideal for transporting and storing water in and around the work place, home or when travelling.

| Capacity litre | Type | Order Code KEN-540 |
|---|---|---|
| 10 | Water | -6500K |
| 15 | Water | -6520K |
| 20 | Water | -6540K |
| 35 | Water | -6570K |

## KENNEDY® Polyethylene Funnel with Lockable Lid

Screws into a standard 2" bung hole on a barrel. Includes removable filter screen.

**Size:** 253mm x 200mm

| Capacity | Order Code KEN-540 |
|---|---|
| 4.5ltr | -2680K |

## KENNEDY® Industrial Quality Plastic Funnel

**Rectangular**
Suitable for use with petrol, oil, water etc.

| Size (mm) | Weight each | Order Code KEN-540 |
|---|---|---|
| 250 x 180 | 210g | -2900K |

## KENNEDY® Tin-Plated Industrial Quality Funnels

Suitable for use with petrol, oil, water etc.

| Diameter (mm) | Weight each | Order Code KEN-540 |
|---|---|---|
| 150 | 140g | -2600K |
| 200 | 250g | -2800K |

## KENNEDY® Metal Funnel with Plastic Spout & Filter

Sturdy metal construction complete with integral handle for ease of use, plastic spout and removable filter. High rim design guards against splashing. Flexible spout extension also available (KEN-540-2700K).

| Diameter | Order Code KEN-540 |
|---|---|
| 170mm | -2690K |
| Flexible spout extension | -2700K |

## KENNEDY® Plastic Funnel

With anti-splash rim, removable brass filter, integral handle and rigid offset spout.

| Diameter (mm) | Order Code KEN-540 |
|---|---|
| 160 | -2962K |

## KENNEDY® Plastic Funnel

With anti-splash rim, integral hanging hook and 300mm detachable flexible spout.

| Diameter (mm) | Order Code KEN-540 |
|---|---|
| 160 | -2997K |

## KENNEDY® Rotary Pump

**RP250**
Cast iron pump, steel suction tube and spout. Suitable for lubricants and diesel (not anti-freeze).
Suitable for container size 200ltr.
Tube length 980mm.
Inlet on pump 2" BSP and M59 x 5 male thread.

| Discharge per Stroke | Weight each | Order Code KEN-540 |
|---|---|---|
| 250ml 35ltr/min | 5.7kg | -3100K |

## YAMOTO Steel Lever Action Barrel Pump

Self adjusting telescopic suction tube. Comfortable handle grip. Suitable for lubricants & non-corrosive liquids.

| Discharge per Stroke | Weight each | Order Code YMT-540 |
|---|---|---|
| 300ml | 2.14kg | -3001K |

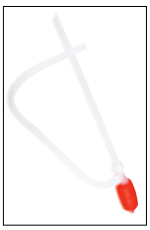
## KENNEDY® Syphon Pump

Flexible plastic outlet and semi- rigid inlet tubes. Hand pumping units incorporate one-way valves. Suitable for use with petrol, diesel and non-corrosive liquids. All tubes can be cut to length.

**SPS/25** For use with containers up to 25ltr. Fitted with 30mm bung.
**Tube length:** inlet 410mm/outlet 530mm.

**SPS/205** For use with containers up to 205ltr. Fitted with a 50mm threaded bung.
**Tube length:** inlet 860mm/outlet 1000mm.

**SPH/205** Heavy duty, for use with containers up to 205ltr. Fitted with a 50mm threaded bung.
**Tube length:** inlet 860mm/outlet 1000mm.



**Up to 25ltr**

**SPS/25** has a squeeze action.
**SPS/205 & SPH/205** have a plunger type action.

**Up to 205ltr**

**Up to 205ltr**
Heavy duty

| Model Number | Suitable for Containers | Weight each | Order Code KEN-540 |
|---|---|---|---|
| SPS/25 | 25ltr | 40g | -4000K |
| SPS/205 | 205ltr | 80g | -4050K |
| SPH/205 | 205ltr | 420g | -4150K |

## KENNEDY® Lever Pump LP300

Zinc chrome finish steel, telescopic suction tube. Suitable for lubricants, diesel and non-corrosive liquids. Suitable for container sizes 60 and 200ltr. Tube length 480 - 900mm. Inlet on pump 2" BSP and M59 x 5 male thread.

| Discharge per Stroke | Weight each | Order Code KEN-540 |
|---|---|---|
| 300ml | 2.0kg | -3000K |

## KENNEDY® Rotary Chemical Dispensing Pump

Designed for use with fluids where a regular cast iron or steel barrel pump cannot be used. Pump body is made from glass filled polypropylene with Ryton veins.

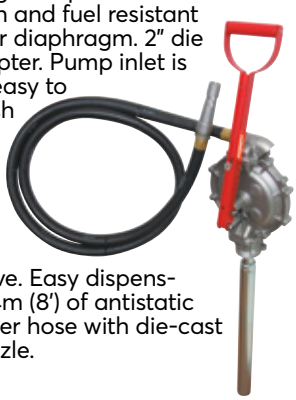
Seals are from Vitron rubber and all hardware is stainless steel. Strainer fitted at the suction tube inlet stops contaminants. Threaded polypropylene suction tube and a choice of 2" bung adaptors for use on both plastic and metal drums of capacities 50ltr and 205ltr. For use with water-based fluids, anti-freeze, acids, chemicals etc., in addition to all petroleum-based products.
Delivery 5ltr per 20 turns of the handle.

**DO NOT USE** with acetone, lacquer, mineral oils, solvents or turpentine.

| Discharge per Stroke | Weight each | Order Code KEN-540 |
|---|---|---|
| 250ml | 3kg | -3800K |

## KENNEDY® Double Diaphragm Fuel Transfer Pump

Heavy duty aluminium die-cast construction fuel transfer pump with a discharge rate of up to 1 gallon per 5 strokes Stainless steel piston and fuel resistant hi-nitrile rubber diaphragm. 2" die cast bung adapter. Pump inlet is fitted with an easy to clean wire mesh screen filter. Telescopic suction tube, adjustable to fit 50 to 205ltr drums, with non-return valve. Easy dispensing through 2.4m (8') of antistatic neoprene rubber hose with die-cast dispensing nozzle.



| Discharge per Stroke | Weight each | Order Code KEN-540 |
|---|---|---|
| 800ml | 7.5kg | -3600K |

## KENNEDY® Dispensing Bottles

Manufactured from oil and chemical resistant polyethylene. With rigid applicator nozzles and sealing caps.

**60ml Concertina Pump Action Bottle**

| Capacity (ml) | Weight each | Order Code KEN-540 |
|---|---|---|
| 60 | 15g | -5000K |

**250ml Squeeze Bottle**

| Capacity (ml) | Weight each | Order Code KEN-540 |
|---|---|---|
| 250 | 40g | -5020K |
| 500 | 60g | -5040K |

**With 25° adjustable Brass Spout & Nozzle**

| Capacity (ml) | Spout Length | Weight each | Order Code KEN-540 |
|---|---|---|---|
| 125 | 90mm | 40g | -5100K |
| 250 | 150mm | 55g | -5120K |
| 500 | 190mm | 70g | -5140K |

## KENNEDY® Heavy Duty Trigger Hand Sprayers

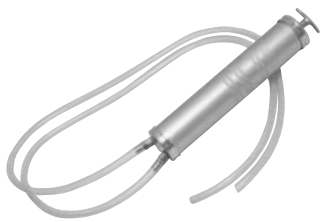
Manufactured from polyethylene, these robust trigger spray dispensers are suitable for many industrial applications. Will dispense various chemicals, water-based detergents, solvents and cleaning agents.

| Capacity (ml) | Type | Weight each | Order Code KEN-540 |
|---|---|---|---|
| 500 | Industrial | 79g | -5400K |
| 740 | Industrial | 85g | -5420K |
| 1000 | Industrial | 146g | -5440K |

## KENNEDY® Dual Transfer Pump

**DTP500**

Heavy-duty aluminium construction. Durable inlet and outlet valves. Suitable for the transfer of many different liquid types. Portable and easy to operate. Ideal for use in many home, industrial and farm applications.



| Capacity (cc) | Weight each | Order Code KEN-540 |
|---|---|---|
| 500 | 878g | -3400K |

## KENNEDY® Plastic Oil Cans

One-piece moulded plastic bodies with positive force feed pumps, supplied with nylon push-fit spouts.

*150mm spouts
**230mm spouts

| Capacity (cc) | Weight each | Order Code KEN-540 |
|---|---|---|
| 350* | 110g | -1880K |
| 500* | 120g | -1900K |
| 1000** | 170g | -1920K |

**Spare Spouts to Suit (Interchangeable)**

| Type | Spout Length | Weight each | Order Code KEN-540 |
|---|---|---|---|
| Nylon | 230mm | 8g | -1950K |
| Nylon | 255mm | 17g | -1970K |

## KENNEDY® Metal Oil Cans

Enamel finish, heavy gauge, seamless metal-bodied oil cans. With positive force feed brass pumps and valves. Supplied with both rigid metal and flexible nylon threaded spouts.

| Capacity (cc) | Weight per 10 | Order Code KEN-540 |
|---|---|---|
| 125 | 2.20kg | -1120K |
| 250 | 2.90kg | -1250K |
| 350 | 3.20kg | -1350K |
| 500 | 3.20kg | -1500K |
| 700 | 3.67kg | -1750K |
| 1000 | 4.16kg | -1100K |

**Spare Spouts to Suit (Interchangeable)**

| Type | Spout Length | Weight each | Order Code KEN-540 |
|---|---|---|---|
| Flexible | 150mm | 170g | -1800K |
| | 210mm | 210g | -1850K |

## KENNEDY® Oil Suction Gun

**SG500**

Chrome finish. Suitable for rapid draining or filling of oil and other non-corrosive liquids.

**Working pressure:** 90psi/6.2bar.
**Diameter:** 63mm.
**Overall length:** 330mm.

| Capacity (cc) | Weight each | Order Code KEN-540 |
|---|---|---|
| 500 | 870g | -0380K |

## KENNEDY® Tilting Drum Cradle

Tilting Drum Cradle tips, rotates and locates 205ltr drums.

- Self storing lever bar
- Large 2½" (63mm) non-sparking wheels
- Suitable for 180kg & 205L drums
- Maximum load 600lbs (273kgs).
- Unit comes flat packed.

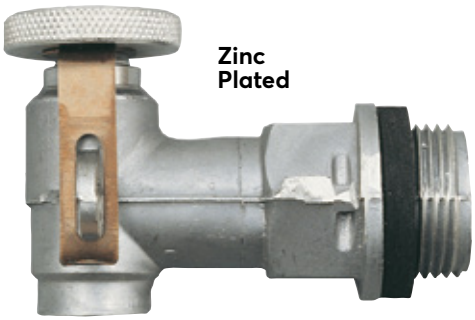
**Dimensions (H x W x L):**
415 x 410 x 814mm.
**Weight:** 12.5kg.

| Order Code KEN-540 |
|---|
| -4400K |

## KENNEDY® Drum Taps

With ¾" BSP male threads. Both models can be locked into the off position by use of a padlock or locking pin.

**Polypropylene**
Not suitable for petroleum- based products.



**Zinc Plated**

| Body | Weight each | Order Code KEN-540 |
|---|---|---|
| Zinc-Plated | 300g | -9000K |
| Polypropylene | 100g | -9050K |

## KENNEDY® Waste Oil Collection

Suitable for the collection of waste oil prior to disposal in accordance with your local authority regulations.

**Waste Oil Drainer/Container**
Compatible with diesel, oil, solvents, water and other non-corrosive liquids. Can be closed for storage and transportation of waste oil.

**Oil and Fluid Drain Pans**
Manufactured from tough plastic for an effective way of collecting and disposing of waste oil.

| Type | Capacity | Shape | Weight each | Order Code KEN-540 |
|---|---|---|---|---|
| Collector | 8ltr | Square | 1.13kg | -4500K |
| Pan | 8ltr | Round | 1.14kg | -4520K |
| Pan | 16ltr | Round | 5.30kg | -4540K |

## KENNEDY® Galvanised Drip Trays

NEW

- 0.6mm thick galvanised steel
- Beaded Rims
- Leakproof folded corners

| Description | Internal Dimensions Length x Width x Height | Weight each | Order Code KEN-540 |
|---|---|---|---|
| 5L Plain Tray | 540 x 345 x 50mm | 1.6kg | -4210K |
| 5L With Mesh | 540 x 345 x 50mm | 2.2kg | -4220K |
| 8L Plain Tray | 665 x 560 x 50mm | 2.7kg | -4250K |
| 8L With Mesh | 665 x 560 x 50mm | 3.8kg | -4260K |

## KENNEDY® 10 Litre Pneumatic Fluid Extractor

The cleaner way to drain engine oil from the sump via the dipstick tube, bleed or drain brake/clutch fluids and collect other non-corrosive fluid spillage.
- Fast extraction 2.5Ltr/min
- LightGreut
- Assorted nozzles
- Quick release connection 1/4" BSP

**Air Supply:** 70-110psi (5-8bar)
**Air Consumption:** 180L/min
**Vacuum (max):** 500mm HG

| Weight each | Order Code KEN-540 |
|---|---|
| 3.5kg | -4700K |

## KENNEDY® 12.5kg High Pressure Grease Pump

Direct high pressure lubricating system with centre pump, metal dust cover/lid with integral stabiliser and fixing mechanism.
Flexible delivery tube with offset nozzle.
Suitable for medium greases.

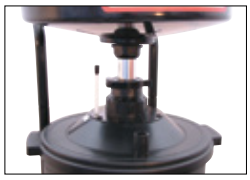
**Discharge per stroke:** 3.8cm³,
**Tube length:** 375mm,
**Inlet on pump max:** 260mm.
Barrel (illustrated) available separately.

| Weight each | Order Code KEN-540 |
|---|---|
| 4.90kg | -0540K |

## KENNEDY® 30 Litre Waste Oil Drainer

**ODB300**
Mobile polyethylene container for collecting waste oil by gravity from engines/ gearboxes.
- Includes a float level indicator
- Height adjustable from 900 to 1600mm
- Drain pan fitted with anti-splash mesh

Heavy duty castors for easy manoeuvrability



| Weight each | Order Code KEN-540 |
|---|---|
| 11.1kg | -4600K |

## KENNEDY® High Pressure Grease Dispensing Pump

An easy to operate high pressure manual greasing system that is used to provide volume greasing where power is not available.
**Pail Capacity:** 12.5kg
**Pressure:** 3500PSI (240bar)
**Drum Cover Diameter:** 287mm
**Delivers:** 1.25gm per stroke

| Weight each | Order Code KEN-540 |
|---|---|
| 4.8kg | -3640K |

## KENNEDY® Lever Action Grease Guns

200cc

**Lever LG200**
Chrome plated steel body, handle and offset nozzle. Suction fill only. Suitable for medium/heavy greases.

**Working pressure:** 3000psi/206bar.
**Diameter:** 45mm.
**Lung Totală:** 300mm.

| Capacity | Order Code KEN-540 |
|---|---|
| Cartridge 160cc, Bulk Fill 200cc | -0150K |

## KENNEDY® Side Lever Grease Gun

- Chrome-plated steel body provides long lasting durability
- Side grip and offset nozzle allows precision on application
- Cartridge, bulk or suction fill allows for flexibility on refills
- Working Pressure: 4500psi / 310bar

| Capacity cc | Overall Length mm | Order Code KEN-540 |
|---|---|---|
| 400 | 505 | -0251K |
| 500 | 525 | -0301K |

## KENNEDY® Side Lever Grease Gun 500cc LG-PRO500

- Enamel finish steel body provides long lasting durability
- Side grip and offset nozzle allows precision on application
- Cartridge, bulk or suction fill allows for flexibility on refills

| Capacity cc | Overall Length mm | Order Code KEN-540 |
|---|---|---|
| 500 | 520 | -0341K |

## KENNEDY® Push-Type Grease Gun

- Compact design allows for use in tight and restricted areas
- Comes with a universal connector allowing use in a variety of applications

| Capacity | Power Source | Order Code KEN-540 |
|---|---|---|
| 118cc | Manual | -0022K |
| 236cc | Manual | -0042K |

## YAMOTO Lever Type Grease Gun

500c/400g Cartridge, bulk or suction fill. Air bleed screw. Comfortable Handle Grip. Suitable for medium or heavy greases.

| Capacity Bulk Fill | Capacity Cartridge | Order Code YMT-540 |
|---|---|---|
| 500cc | 400/14oz | -0251K |

## YAMOTO Steel Push-Type Grease Gun

120cc

**PTG1200**
Bulk or suction fill. Corrosion protective electro-plated finish. Polished nozzle and galvanised plunger assembly. Suitable for medium or heavy greases.

| Capacity | Weight each | Order Code YMT-540 |
|---|---|---|
| 120cc | 415g | -0030K |

## KENNEDY® Hydraulic Grease Nipple Kit

**Contents**
**Straight:**
¼" BSP,
⅛" BSP,
M8 x 1.25
¼" BSF.

**45°:**
M8 x 1.25
M10 x 1.50.

**90°:**
¼" BSF.

| Order Code KEN-541 |
|---|
| -5140K |

## KENNEDY® Hydraulic Grease Nipples

For use with Kennedy® grease guns and all other hydraulic grease equipment.

**Straight Hook-On**

| Thread Size | Weight Per 100 | Order Code KEN-541 |
|---|---|---|
| ⅛" BSP(T) | 1.30kg | -1070K |
| ¼" BSP(T) | 2.00kg | -1090K |

**45° Type**

| Thread Size | Weight Per 100 | Order Code KEN-541 |
|---|---|---|
| ⅛" BSP(T) | 1.30kg | -0610K |
| ¼" BSP(T) | 1.95kg | -0690K |
| ¼" BSF | 0.70kg | -0770K |
| M6 x 1 | 0.70kg | -0850K |
| M8 x 1.25 | 0.60kg | -0930K |
| M10 x 1.5 | 1.25kg | -1010K |

## KENNEDY® Hydraulic Connectors

Securely grips the grease nipple while in use.

**4-Jaw**

| Thread Size | Weight each | Order Code KEN-541 |
|---|---|---|
| ⅛" BSP(T) | 40g | -0480K |

## KENNEDY® Metal & Flexible Hoses

For use with Kennedy® grease guns, flexible hoses improve access in confined spaces, ⅛" BSP connecting threads.

| Bore x Length | Type | Weight each | Order Code KEN-540 |
|---|---|---|---|
| 150mm | Offset Metal | 40g | -0390K |
| 8x230 | Nylon | 30g | -0400K |
| 8x300 | Nylon | 40g | -0410K |
| 8x500 | Nylon | 40g | -0420K |
| 11x230 | Rubber | 60g | -0430K |
| 11x300 | Rubber | 70g | -0440K |
| 11x500 | Rubber | 90g | -0450K |

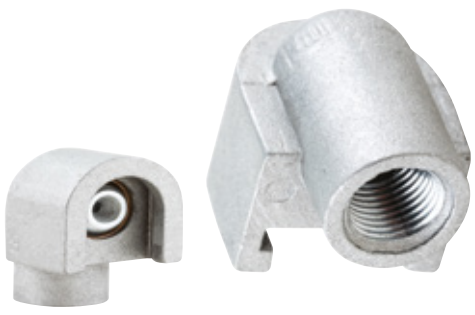
**Straight-Type**

| Thread Size | Weight Per 100 | Order Code KEN-541 |
|---|---|---|
| ⅛" BSP(T) | 0.60kg | -0600K |
| ¼" BSP(T) | 1.10kg | -0680K |
| ¼" BSF | 0.30kg | -0760K |
| M6 x 1 | 0.30kg | -0840K |
| M8 x 1.25 | 0.50kg | -0920K |
| M10 x 1.5 | 0.60kg | -1000K |

**90° Type**

| Thread Size | Weight Per 100 | Order Code KEN-541 |
|---|---|---|
| ⅛" BSP(T) | 1.30kg | -0630K |
| ¼" BSP(T) | 2.10kg | -0710K |
| ¼" BSF | 0.70kg | -0790K |
| M6 x 1 | 0.60kg | -0870K |
| M8 x 1.25 | 0.55kg | -0950K |
| M10 x 1.5 | 1.30kg | -1030K |

**Hook-On**



| Thread Size | Weight each | Order Code KEN-541 |
|---|---|---|
| ⅛" BSP(T) | 40g | -0490K |

## KENNEDY® Bossing Mallets

- Manufactured from high density hardwood to deliver an optimum blow
- Pear shaped head allows you to strike with precision
- Available in a range of sizes to suit your needs
- Shapes sheet metal with minimal damage to the workpiece due to the wooden construction
- Head material: Beech
- Head shape: Pear

**-2500K**

**-2520K**

| Head Dia. (mm) | Weight each | Order Code **KEN-549** |
|---|---|---|
| 40 (1½") | 130g | **-2500K** |
| 50 (2") | 370g | **-2520K** |

## Find us online

Navigating our website is made simple and easy to use. Optimised search and comparison for quick product selection.

Check product availability with ease. Once you've found your desired item, just click on it to see if it's in stock. Our real-time updates will let you know instantly if it's available for purchase.

Stay informed on pricing. List price shown making it easy for you to make purchasing decision.

Access detailed product information. For those who crave more knowledge, we provide comprehensive descriptions and downloadable technical documents to give you all the information you need to make an informed decision.

## KENNEDY® Magnetic Pick-up Tool

High power magnet for easy pick-up and release of metal objects. Can be used for scrap and ferrous debris. Spring-loaded magnet release.
Permanent magnet, never needs to be re-magnetised.

**Maximum lifting weight:**
10lbs/4.5kg.

| Working Size | Weight each | Order Code KEN-553 |
|---|---|---|
| 100mm dia. | 634g | -0160K |

## KENNEDY® Magnetic Long Reach

Long reach handle. High power magnet for easy pick-up and release of metal objects. Can be used for scrap and ferrous debris. Spring-loaded magnet release. Permanent magnet, never needs to be re-magnetised.

**Maximum lifting weight:**
8lbs/3.6kg.

| Working Size | Weight each | Order Code KEN-553 |
|---|---|---|
| 90mm Dia. | 693g | -0180K |

## KENNEDY® Magnet Extending Pick-up Sweeper

High power magnet for easy pick-up and release of metal objects. Can be used for scrap and ferrous debris. Permanent magnet, never needs to be re-magnetised. Lightweight. Chrome-plated and corrosion-resistant.

**Maximum lifting weight:**
20lbs/9.0kg.

| Working Length | Weight each | Order Code KEN-553 |
|---|---|---|
| 104cm | 1430g | -0220K |

## KENNEDY® Magnetic Pick-up Wand

High power magnet for easy pick-up and release of metal objects. Can be used for scrap and ferrous debris. Permanent magnet, never needs to be re-magnetised.
Lightweight. Chrome-plated and corrosion-resistant.

**Maximum lifting weight:** 14lbs/6.35kg.

| Working Length | Weight each | Order Code KEN-553 |
|---|---|---|
| 140mm | 567g | -0200K |

## KENNEDY® Telescopic Pick-up Tool

High power magnet, slimline contoured handle.

| Extended Length (mm) | Max Lift weight | Order Code KEN-553 |
|---|---|---|
| 550 (22") | 4lbs/1.8kg | -0100K |

## KENNEDY® Pen Type Pick-up Tool

Pen-type with pocket clip, high power magnet.

| Extended Length (mm) | Max Lift weight | Order Code KEN-553 |
|---|---|---|
| 610 (24") | 4lbs/1.8kg | -0120K |

## KENNEDY® Adjustable Pen-Type

Pen-type handle with pocket clip, multi-directional head.

| Extended Length (mm) | Max Lift weight | Order Code KEN-553 |
|---|---|---|
| 610 (24") | 1.5lbs/680g | -0140K |

## KENNEDY® Flexible Pick-up Tool

Fully adjustable shaft, high power magnet.

| Extended Length (mm) | Max Lift weight | Order Code KEN-553 |
|---|---|---|
| 455 (18") | 1.1lbs/500g | -0130K |

## KENNEDY® Claw/Magnetic Pick-up Tool with LED

Flexible spring steel stem with magnetic tip, ideal for recovery of small objects. Four retractable adjustable steel claws. Fitted with LED. Chrome plated and corrosion-resistant. Magnetic pull 1kg. Includes 3x LR44 batteries and battery protector.

| Product Number | Length (mm) | Order Code KEN-553 |
|---|---|---|
| PTM600 | 600 | -0340K |

## KENNEDY® Telescopic Magnetic Pick-up Tool with LED

Telescopic with flexible head and magnets fitted to head and base. Fitted with LED. Knurled grip. Pocket size. Belt grip. Magnetic pull 2.27kg. Includes 4x LR44 batteries and battery protector.

| Product Number | Extendable Length | Order Code KEN-553 |
|---|---|---|
| KTM583 | 175 - 583mm | -0360K |

## KENNEDY® Magnetic Trays

For holding metal items such as nuts, bolts, washers etc.

**Dish**

For use in high and confined spaces with rubberised magnetic base mat to protect work surface.

| Size (mm) | Weight each | Order Code KEN-553 |
|---|---|---|
| 150 dia. | 375g | -0250K |

**Rectangular Tray**

For holding larger items.

| Size (mm) | Weight each | Order Code KEN-553 |
|---|---|---|
| 242 x 142 | 720g | -0300K |

## KENNEDY Magnetic Hold Fasts

Positive gripping pot magnets supplied with screw-down release handle. Can be used singly or in multiples for making welding or other jigs. With M8 x 1.25 thread.

**Depth:** 35mm.

| Dia. (mm) | Magnetic Adhesion | Weight each | Order Code KEN-554 |
|---|---|---|---|
| 40 | 20kgf | 590g | -1200K |
| 50 | 40kgf | 955g | -1240K |

## KENNEDY Magnetic Quick Clamp

For fast accurate holding.

**Dimensions (W x L x T):**
65 x 110 x 15mm.

| Angles | Weight each | Order Code KEN-554 |
|---|---|---|
| 30°, 90° & 135° | 270g | -1700K |

## KENNEDY Channel Magnet

Designed to give maximum grip within channels or slots. Able to grip non-uniform workpieces.

| Dimensions L x W x H (mm) | Weight each | Order Code KEN-554 |
|---|---|---|
| 130 x 30 x 13 | 250g | -3500K |

## KENNEDY Power Magnets

A square horseshoe magnet. Supplied with plain fixing holes.

**Kg pull (max):**
25mm - 4.5, 30mm - 9.0, 40mm - 11.8.

| Size (mm) | Weight each | Order Code KEN-553 |
|---|---|---|
| 25 x 40 x 20 | 60g | -8120K |
| 30 x 45 x 30 | 120g | -8130K |
| 40.5 x 57 x 35 | 180g | -8140K |

## KENNEDY Ferrite Shallow Pot Magnets

Manufactured from ceramic ferrite material. Suitable for holding machine tool accessories with M6 threads or building into jigs.

**Heavy Duty L-bolt**

| Diameter x Width (mm) | Weight each | Order Code KEN-553 |
|---|---|---|
| 66 x 10.7 | 220g | -7020K |
| 76 x 12.5 | 300g | -7040K |
| 100 x 15.5 | 610g | -7060K |

**J-bolt**

| Size (mm) | Weight each | Order Code KEN-553 |
|---|---|---|
| 46 x 10.7 | 90g | -8900K |
| 56 x 10.7 | 130g | -8910K |
| 66 x 10.7 | 190g | -8920K |

## KENNEDY Bar Magnets

A range of one-piece cylindrical magnets with opposing poles at either end.
Permanently magnetic.

| Dia. (mm) | Depth (mm) | Weight Per 100 | Order Code KEN-553 |
|---|---|---|---|
| 6.0 | 20 (¾") | 0.44kg | -8050K |
| 8.0 | 25 (1") | 1.00kg | -8060K |
| 10.0 | 30 (1³⁄₁₆") | 1.90kg | -8070K |

## KENNEDY Button Magnets

A horseshoe type cylindrical magnet. Opposing poles are at the same end of the magnet separated by a slot. Supplied with a plain bore and keeper.
Permanently magnetic.

| Diameter (mm) | Depth (mm) | Weight Per 100 | Order Code KEN-553 |
|---|---|---|---|
| 12.7 (½") | 9.5 | 0.87kg | -8210K |
| 20 (¾") | 12.5 | 2.00kg | -8220K |
| 25 (1") | 16.0 | 5.60kg | -8230K |
| 32 (1¼") | 19.5 | 13.0kg | -8240K |

## KENNEDY Shallow Pot Magnets

North polarity in centre separated from opposing pole by a continuous slot. For use in areas of restricted height. Supplied with plain bore fixing hole/keeper.
Permanently magnetic.

| Diameter (mm) | Depth (mm) | Weight Per 100 | Order Code KEN-553 |
|---|---|---|---|
| 20 (³⁄₄") | 7.8 | 1.75kg | -8260K |
| 28.5 (1¹⁄₈") | 8.7 | 4.70kg | -8270K |
| 38 (1½") | 10.6 | 9.70kg | -8280K |

## KENNEDY Deep Pot Magnets

North polarity in centre separated from opposing pole by a continuous slot. Ideally suited for gripping applications. Supplied with M5 x 1 threaded bore fixing hole and keeper. *M3 x 0.5

| Diameter (mm) | Depth (mm) | Weight Per 100 | Order Code KEN-553 |
|---|---|---|---|
| 9.5 (⅜")* | 15.1 | 2.00kg | -8290K |
| 17.5 (¹¹⁄₁₆") | 16.0 | 2.70kg | -8310K |
| 20 (¾") | 18.0 | 4.50kg | -8320K |
| 27 (1¹¹⁄₁₆") | 25.4 | 9.80kg | -8330K |
| 35 (1³⁄₈") | 30.0 | 28.9kg | -8340K |

**Set**
2 each: 12.7mm button.
1 each: 17.5mm deep button, 20mm button and 20mm pot.

5 PIECES

| Weight each | Order Code KEN-553 |
|---|---|
| 90g | -9000K |

## KENNEDY® Quick-Set Torque Drivers

- Micrometer style adjustment allows easy accurate setting
- Slipping action at pre-set torque eliminates over-tightening
- The adjustment ring automatically disengages when the tool is in use to prevent accidental adjustment
- Stainless steel shafts with1/4in. hexagon drive and supplied with sliding 'T' bar
- Anodised aluminium handles are comfortable and durable
- Manufactured to ISO 6789-2:2017

| Product Number | Torque Range Nm | Torque Range lbf.in | Weight each | Order Code KEN-555 |
|---|---|---|---|---|
| QS50IH | - | 5-50 | 335g | **-5500K** |
| QS6MH | 1-6 | - | 335g | **-5600K** |

## KENNEDY® Torque Limiting Screwdrivers

L" A/F female hexagon socket which will accept screwdriver bits. Can be converted to a male end by using the appropriate adaptor. Can be pre-set to any torque value within range by using a Torque Calibration Analyser. Can be fitted with 'impact-free resetting' option.
Manufactured to **ISO 6789 : 2003. (Repeatability at ±6% of set torque).**

**LS135H**

**LS406H**

| Product Number | Torque Range cNm | Torque Range lbf.in | Weight each | Order Code KEN-555 |
|---|---|---|---|---|
| LS135H | 2-135 | 12 | 200g | **-5700K** |
| LS406H | 6-406 | 36 | 300g | **-5800K** |

## KENNEDY® Quick-Set Torque Drivers

Micrometer style adjustment allows easy accurate setting. Slipping action at pre-set torque eliminates overtightening. The adjustment ring automatically disengages when the tool is in use to prevent accidental adjustment. Stainless steel shafts. Anodised aluminium handles. Suitable for electrical, electronics and instrument assembly works.
**Manufactured to ISO 6789 : 2003.**
**(Accuracy ±6% of reading).**

**Minor Type**

| Product Number | Torque Range cNm | Weight each | Order Code KEN-555 |
|---|---|---|---|
| QS1.2MH | 20-120 | 165g | **-5010K** |

## KENNEDY® Preset Torque Screwdriver

Eliminates under and over tightening due to the slipping technology to ensure accurate process control.
Dual formed ergonomic hand grip and smooth tool reset action.

**-8600K**

| Torque Range (Nm) | Length (mm) | Order Code KEN-555 |
|---|---|---|
| 0.2-1.5 | 138 | **-8600K** |
| 0.5-1.5 | 138 | **-8620K** |
| 0.2-1.5 | 132 | **-8680K** |
| 0.5-4.5 | 140 | **-8720K** |
| 2.5-13.5 | 140 | **-8760K** |

## KENNEDY® QTorq Calibrated Slipper Wrenches

Featuring micrometer style, fine adjustment with positive locking system and clearly audible click when reaching the set torque.
Aircraft specification stainless steel heads
Aluminium handles
Micrometer type sleeve allows torque values to be accurately set
Automatic resetting with audible click when the wrench slips

**Drive type:** square
**Drive size:** ¼"
**Repeatable accuracy:** +/- 6%
**Length:** 195mm

| Drive Size | Torque Range Nm | Torque Range Increment | Weight each | Order Code KEN-555 |
|---|---|---|---|---|
| ¼" | 1-5 | 0.05Nm | 235g | **-7052K** |
| ¼" | 2-10 | 0.1Nm | 235g | **-7102K** |

## KENNEDY® Production Slipper Torque Wrenches

Wrench 'slips' when predetermined torque setting is reached, completely eliminating overtightening. Fitted with Mechanical Torque Adjustment Locking Device. Accurate repeatability guarantees equal tightness every time. Incorporates a specially designed multi-lobed cam which automatically resets the wrench after a small movement of the handle, allowing quick progress to the next operation. Incorporates a fully supported ratchet giving smooth, positive torque control, even in confined spaces. Lightweight for less operator fatigue. Manufactured to **ISO 6789 : 2003.**
**(Repeatability at ±4% of reading).**

| Product Number | Torque Range Nm | Length lbf/ft | Ratchet (mm) | Size | Order Code **KEN-555** |
|---|---|---|---|---|---|
| SPW25 | 3-25 | 2-18 | 216 | 3/8" | **-4050K** |
| SPW55 | 15-55 | 10-40 | 325 | 3/8" | **-4070K** |
| TPW25 | 3-25 | 2-18 | 216 | 1/4" | **-4100K** |

**Mechanical Torque Adjustment Lock**
- Easy-to-use locking device for the torque adjusting screws.
- Positive, mechanical locking system.
- Does not rely on friction to arrest movement.
- Operated using a single adjusting key.

## KENNEDY® Dial Indicating Torque Wrenches

Ideal for use in inspection and quality control, research and development, production and after sales service. Lightweight aluminium handles, abrasive resistant bodies for longer life and easy read dual scale for observing the amount of torque applied throughout the tightening process. Socket not included.
Manufactured to **ISO 6789 : 2003.**
(Accuracy ±4% of reading).

### 1/4 Square Drive
Not suitable for use with extensions.

| Product Number | Torque Range Nm | Torque Range Inch | Weight each | Order Code **KEN-555** |
|---|---|---|---|---|
| TW4 | 0.8-4.0 | 7-35 lbf.in | 520g | **-1040K** |
| TW12 | 2.4-12 | 24-120 lbf.in | 520g | **-1120K** |

### 1/2 Square Drive

| Product Number | Torque Range Nm | Torque Range lbf.ft | Weight each | Order Code **KEN-555** |
|---|---|---|---|---|
| MW80 | 16-80 | 12-60 | 1.35kg | **-2080K** |
| MW200 | 40-200 | 30-160 | 1.40kg | **-2200K** |

### 3/8 Square Drive
(not illustrated)

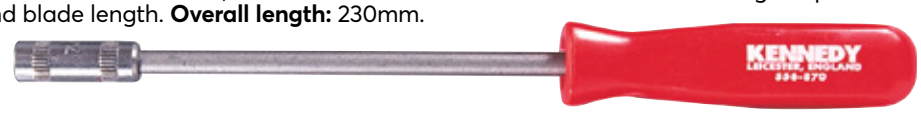
| Product Number | Torque Range Nm | Torque Range Inch | Weight each | Order Code **KEN-555** |
|---|---|---|---|---|
| SW25 | 5-25 | 48-240 lbf.in | 520g | **-1250K** |
| SW40 | 8-40 | 72-360 lbf.in | 520g | **-1400K** |

### 3/4 Square Drive
With built-in audio/visual signal.

| Product Number | Torque Range Nm | Torque Range lbf.ft | Weight each | Order Code **KEN-555** |
|---|---|---|---|---|
| LW800 | 160-800 | 120-660 | 4.85kg | **-3800K** |

## KENNEDY® Nut Spinners

Manufactured from hardened and tempered chrome vanadium steel, with satin chrome finish. Oil and acid resistant high impact plastic handles. 6" (150mm) combined socket and blade length. **Overall length:** 230mm.




| Type | Hexagon AF | Weight each | Order Code **KEN-556** |
|---|---|---|---|
| Metric | 5.0mm | 80g | **-7500K** |
| | 5.5mm | 80g | **-7550K** |
| | 6.0mm | 80g | **-7600K** |
| | 7.0mm | 90g | **-7700K** |
| | 8.0mm | 90g | **-7800K** |
| | 9.0mm | 100g | **-7900K** |
| | 10.0mm | 110g | **-8100K** |

**Sets**

| No. of Pieces | Contents | Weight each | Order Code **KEN-556** |
|---|---|---|---|
| 9 | 4, 4.5, 5, 5.5, 6, 7, 8, 9 & 10mm | 720g | **-9620K** |

# TORQUE TOOLS



## KENNEDY® Torque Multipliers

Ideal for applications where no electrical or air supply is available. Enables precision tightening of threaded fasteners. Aids the loosening of nuts that are corroded or seized. Accurate to within ±4%, taking the uncertainty out of high torque tightening.
**TN14: Input:** ½" sq. drive. **Output:** ¾" sq. drive.
**TN27: Input:** ¾" sq. drive. **Output:** 1" sq. drive.

**6:1 - Maximum Torque 1680Nm**

**5.4:1 - Maximum Torque 2700Nm**

| Product Number | Maximum Torque | Order Code KEN-557 |
|---|---|---|
| TN14 | 1500Nm | **-3620K** |
| TN27 | 2700Nm | **-3630K** |

| Torque Range | Order Code KEN-555 |
|---|---|
| 280 - 1680Nm | **-4520K** |

## KENNEDY® Presetable Torque Breaking Handle - Spigot Type

Handle 'breaks' at an angle of 20° and features a unique patented single direction mechanism, ensuring long tool life and repeatable accuracy. Fitted with the new mechanical torque adjustment locking device. Automatically resets when force is released and returns to the in-line position.

**Overall length:** 265mm.
Manufactured to **ISO 6789 : 2003. (Repeatability at ±4% of reading tools above 10Nm and ±6% for tools less than 10Nm).**

Compatible the Norbar® 16mm Spigot End fittings.

16

**Mechanical Torque Adjustment Locking Device**
- Easy-to-use locking device for the torque adjusting screws.
- Does not rely on friction to arrest movement.
- Operated using a single adjusting key.

| Product Number | Torque Range Nm | Torque Range lbf.in | Spigot Size | Weight each | Order Code KEN-555 |
|---|---|---|---|---|---|
| BH25 | 5.0-25 | 44-221 | 16mm | 415g | **-5900K** |

## SENATOR QUALITY TOOLING Square Drive Torque Wrench

Reversible ratchet head. 'Click + Snap' action indicates when the pre-set torque level has been reached. Engraved kgf.m and Nm scale on barrel. Micrometer type sleeve allows preset torque values to be accurately set.
Manufactured to **ISO 6789-2:2017.**

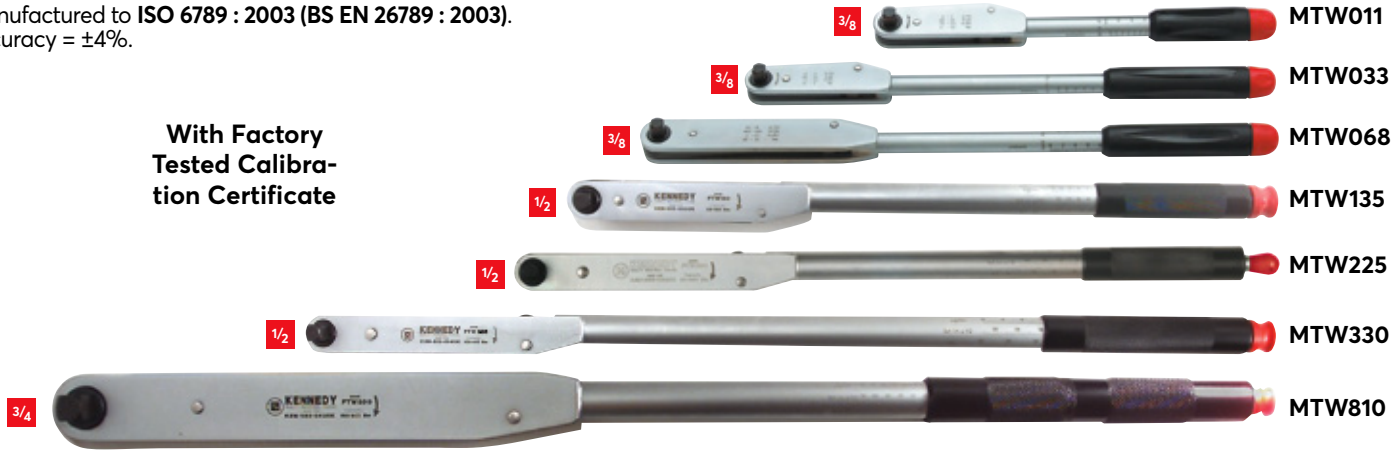
¼ 3/8 ½

| Overall Length | Sq. Drive | Torque Range Nm | Torque Range kgf.m | Order Code SEN-557 |
|---|---|---|---|---|
| 280mm* | ¼" | 5-25 | 0.5-2.5 | **-0300K** |
| 365mm | ⅜" | 19-110 | 1.9-11.2 | **-0400K** |
| 440mm | ½" | 42-210 | 4.2-21.4 | **-0500K** |

## KENNEDY® Adjustable Torque Wrenches

High quality chrome-plated, polished steel head and retractable torque setting lever. 'Click and Snap' action indicates when the pre-set torque level has been reached. Four easy read scales Nm, kgf.m, lbf.in x10, lbf.ft. Push through square drive connector to instantly reverse action. Knurled grip plastic handle. Complete with factory tested calibration certificate, operating instructions and torque conversion chart. Supplied in a cardboard case.
Manufactured to **ISO 6789 : 2003 (BS EN 26789 : 2003)**.
Accuracy = ±4%.

**With Factory Tested Calibration Certificate**




| Model Number | Square Drive | Torque Range Nm | Length (mm) | Order Code KEN-557 |
|---|---|---|---|---|
| MTW011 | 3/8" | 2.5 - 11 | 300 | -3500K |
| MTW033 | 3/8" | 7 - 33 | 410 | -3521L |
| MTW068 | 3/8" | 14 - 68 | 480 | -3541L |
| MTW135 | 1/2" | 25 - 135 | 560 | -3560K |
| MTW225 | 1/2" | 50 - 225 | 610 | -3580K |
| MTW330 | 1/2" | 70 - 330 | 780 | -3600K |
| MTW810 | 3/4" | 200 - 800 | 940 | -3610K |

## KENNEDY® Angular Torque Gauge

The gauge has an easy to read 360° scale in 2°, 10° and 30° increments and has an Indicator etched into the clear plastic. An adjustable arm to keep the angled scale stationary, with a long and short side for flexibility in positioning against components.

| Product Number | Capacity Nm | Weight each | Order Code KEN-557 |
|---|---|---|---|
| TGA360 | 0 - 360 | 180g | -0150K |

## TRI TORQ Adjustable Torque Wrench

Manufactured from high quality satin finish steel with a polished steel head. Supplied with a fully traceable calibration certificate and storage case. The desired torque value can be set, and is displayed in windows on the handle.
Manufactured to **ISO 6789-2:2017.**

**Supplied in Robust Storage Box**

1/4 3/8 1/2

**With Factory Tested Calibration Certificate**

| Model Number | Sq. Drive | Torque Range Nm | Torque Range lbf.ft | Weight each | Order Code TRQ-557 |
|---|---|---|---|---|---|
| FXL5 | 1/4" | 1-5 | 0.7-3 | 0.40kg | -5740K |
| FXL32 | 1/4" | 6-30 | 4-22 | 0.40kg | -5760K |
| FXL33 | 3/8" | 6-30 | 4-22 | 0.40kg | -5850K |
| FXL63 | 3/8" | 12-60 | 7-44 | 1.30kg | -5870K |
| FXL100 | 3/8" | 20-100 | 15-75 | 1.38kg | -5900K |
| FXL200 | 1/2" | 40-200 | 30-150 | 2.36kg | -6900K |
| FXL320 | 1/2" | 60-320 | 45-225 | 2.57kg | -6920K |

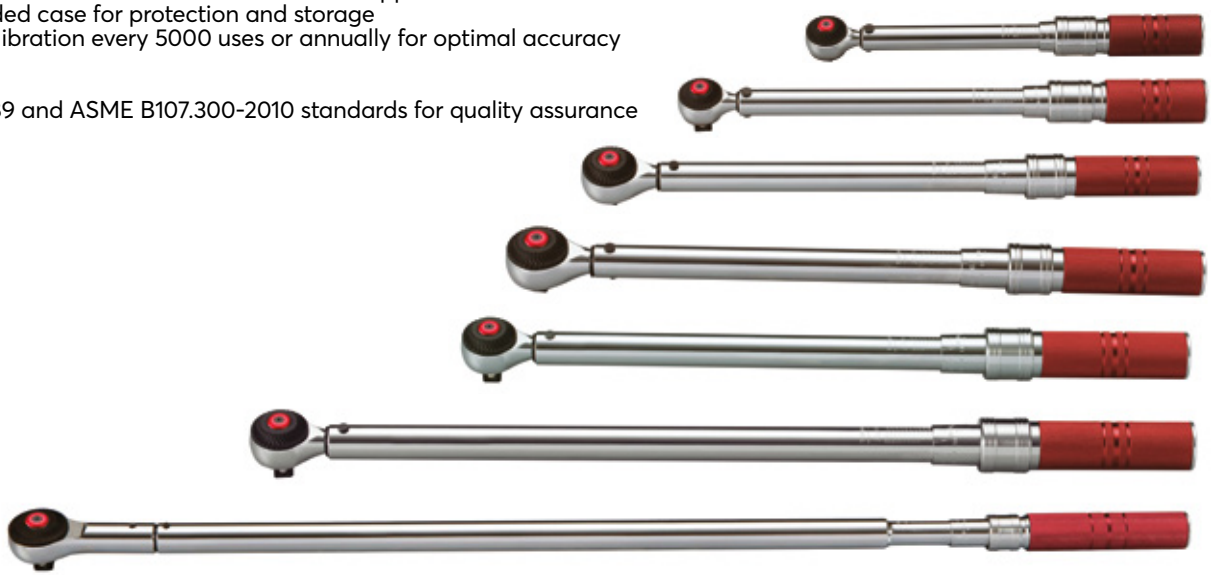
# TORQUE TOOLS

## KENNEDY Micrometer Torque Wrenches

NEW

- Reversible 72-tooth ratchet head with quick socket release and lock button
- Audible and palpable signal indicates desired torque value is achieved
- Micrometer laser scale ensures easy and precise torque adjustments
- Lock-ring mechanism prevents accidental mis-setting for safety
- ±3% torque tolerance for accurate and reliable performance
- Knurled aluminium handle for secure and comfortable grip
- Dual scales in N.m and ft-lb for versatile applications
- Individually tested, marked with serial numbers and supplied with a test certificate
- Sturdy blow-moulded case for protection and storage
- Recommended calibration every 5000 uses or annually for optimal accuracy

Standards
- Meets DIN ISO 6789 and ASME B107.300-2010 standards for quality assurance

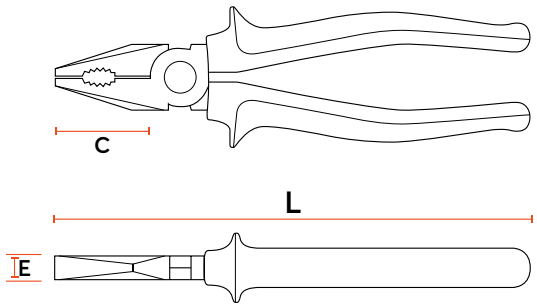


| Model Number | Square Drive | Torque Range Nm | Box Quantity | Order Code KEN-557 |
|---|---|---|---|---|
| TW-279-1FW | ¼" | 1 - 6 | 24 | -9756V |
| TW-279-3FW | ¼" | 5 - 25 | 24 | -9756W |
| TW-379-1FW | ⅜" | 10 - 60 | 12 | -9756X |
| TW-379-2FW | ⅜" | 20 - 100 | 12 | -9756Y |
| TW-479-1FW | ½" | 40 - 200 | 12 | -9756Z |
| TW-479-2FW | ½" | 60 - 340 | 12 | -9757A |
| TW-679-7FW | ¾" | 150 - 800 | 2 | -9757B |

## KENNEDY Digital Torque Wrenches

- Offers torque, unit, and mode settings, along with online calibration, making it adaptable to multiple applications
- Operates in both clockwise and anticlockwise directions, increasing flexibility for different tasks
- Clear LCD shows measurements in N-m, ft-lb, in-lb, and kg-cm, allowing easy reading and reduced errors
- Real-time feedback provides torque confirmation with a buzzer and LED indicators, ensuring the user knows when the target torque is achieved
- Features green and red LED lights to warn users as torque approaches and reaches the target, preventing over-tightening
- Simple setup enables quick adjustments for specific applications, saving time and increasing efficiency

| Drive Size | Minimum Torque Nm | Maximum Torque Nm | Order Code KEN-557 |
|---|---|---|---|
| ½" | 17 | 340 | -1308U |
| ⅜" | 6.8 | 135 | -1308V |
| ¼" | 1.5 | 30 | -1308W |
| ¾" | 42.5 | 850 | -6938N |




**C** - Jaw Length
**E** - Jaw Width
**L** - Overall Length

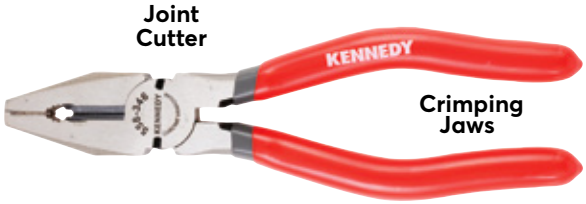
## KENNEDY Universal Type Combination Pliers with Single Cutter

Chrome vanadium steel, bonded vinyl-coated handle. Double polished head and joint. Induction hardened cutting edges. Also with side cutter and serrated gripping and crimping jaws behind the head.

| Overall Length | Jaw Length | Jaw Width | Order Code KEN-558 |
|---|---|---|---|
| 155mm | 31mm | 24mm | -3520K |
| 176mm | 37mm | 26mm | -3530K |
| 208mm | 42mm | 30mm | -3540K |

## KENNEDY Universal Type Combination Pliers with Joint Cutter

Chrome vanadium steel, bonded vinyl coated handle. Double polished head and joint. Induction hardened cutting edges. Also with side cutter, serrated gripping and crimping jaws behind the head and joint cutter for heavy duty wire cutting.




| Overall Length | Jaw Length | Jaw Width | Order Code KEN-558 |
|---|---|---|---|
| 178mm | 37mm | 26mm | -3460K |

## SENATOR QUALITY TOOLING Heavy Duty Lineman's Pliers

Heavy duty standard manufactured from chrome vanadium steel with a satin finish. Serrated jaws for gripping nuts, bolts, studs etc. Side cutting for wire up to 1.6mm diameter. Also with serrated gripping and crimping jaws behind the head.

| Overall Length | Jaw Length | Jaw Width | Order Code SEN-558 |
|---|---|---|---|
| 160mm | 29mm | 23mm | -4560K |
| 185mm | 32mm | 26mm | -4570K |
| 200mm | 31mm | 28mm | -4580K |

## KENNEDY Pro-Torq Insulated Combination Pliers

Manufactured from specially selected steels. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. Manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip.
Double polished head and joint.
For gripping nuts.

VDC/IEC 900
DIN EN 60900

VDE 1000VAC

| Overall Length | Jaw Length | Jaw Width | Order Code KEN-558 |
|---|---|---|---|
| 160mm | 36mm | 26mm | -5140K |
| 180mm | 39mm | 26mm | -5160K |
| 200mm | 42mm | 29mm | -5180K |

## KENNEDY Pro-Torq Combination Pliers

- Induction hardened cutting edges for gripping with precision and strength
- Dual material handle for expert non-slip grip and comfort, to provide maximum force with minimal effort
- Serrated jaws for secure hold of nuts
- Double polished head for longevity of product and hardiness
- Available in a variety of sizes to suit personal needs

| Overall Length | Jaw Length | Jaw Width | Order Code KEN-558 |
|---|---|---|---|
| 168mm | 35mm | 25mm | -2050K |
| 180mm | 39mm | 27mm | -2030K |
| 202mm | 42mm | 30mm | -2040K |

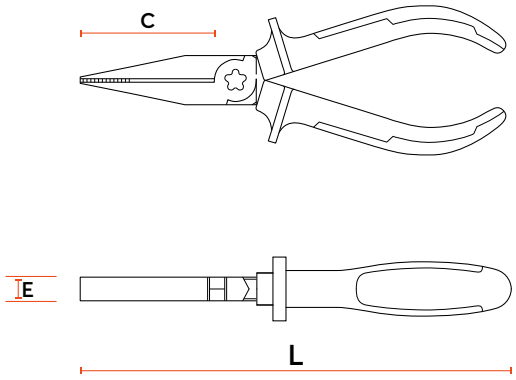
## YAMOTO INDUSTRIAL PLIERS Combination Pliers

Industrial quality chrome vanadium steel, chemically blacked. Particularly useful for engineers and electricians.
Serrated jaws for gripping nuts, bolts, studs etc.

| Overall Length | Jaw Length | Jaw Width | Order Code YMT-558 |
|---|---|---|---|
| 160mm | 35mm | 25mm | -4352K |
| 195mm | 42mm | 29mm | -4358K |
| 185mm | 39mm | 28mm | -4351K |

# LONG NOSE PLIERS



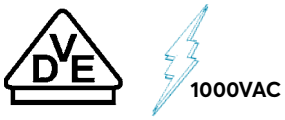



**C** - Jaw Length
**E** - Jaw Width
**L** - Overall Length

## KENNEDY® Pro-Torq Insulated Long Nose Pliers

Manufactured from specially selected steels. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. Manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip. Especially suitable for production line environments where repetitive work is undertaken. Double polished head and joint. Induction hardened cutting edges with serrated jaws for gripping nuts.

**VDC/IEC 900**
**DIN EN 60900**




| Overall Length | Jaw Length | Order Code KEN-558 |
|---|---|---|
| 106mm | 60mm | **-5020K** |
| 205mm | 85mm | **-5040K** |

## SENATOR QUALITY TOOLING Heavy Duty Long Nose Pliers with Cutter

Heavy duty standard manufactured from chrome vanadium with satin finish. Built-in serrated section behind head for gripping. Hard wearing with PVC safety handles şi side cutter.

| Overall Length | Jaw Length | Jaw Width | Order Code SEN-558 |
|---|---|---|---|
| 125mm | 45mm | 12mm | **-4200K** |
| 150mm | 60mm | 18mm | **-4210K** |
| 200mm | 80mm | 22mm | **-4230K** |

## YAMOTO INDUSTRIAL PLIERS Long Nose Pliers

Industrial quality chrome vanadium steel, chemically blacked. Ideal for terminal loupe forming, wire manipulation and shape forming in confined spaces. Round jaw finish with smooth action single joints and hardened cutting edges. Laser etched markings. Bi-material grips.

| Overall Length | Jaw Length | Jaw Width | Order Code YMT-558 |
|---|---|---|---|
| 135mm | 45mm | 45mm | **-4356K** |
| 170mm | 60mm | 18mm | **-4353K** |
| 190mm | 80mm | 18mm | **-4357K** |
| 200mm | 90mm | 18mm | **-4359K** |

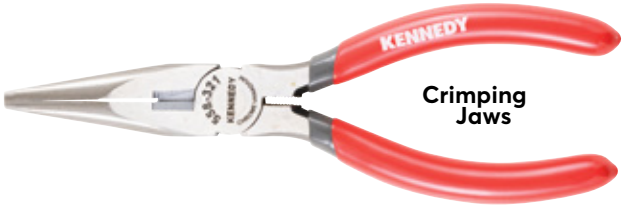
## KENNEDY PROFESSIONAL Pro-Torq Snipe Nose Pliers

- Double polished head and joint
- Induction hardened cutting edges
- Dual material grip handle with slip guard

| Overall Length | Jaw Length | Order Code KEN-558 |
|---|---|---|
| 165mm | 60mm | **-2060K** |
| 215mm | 85mm | **-2070K** |

## KENNEDY® Long Nose Pliers with Cutter

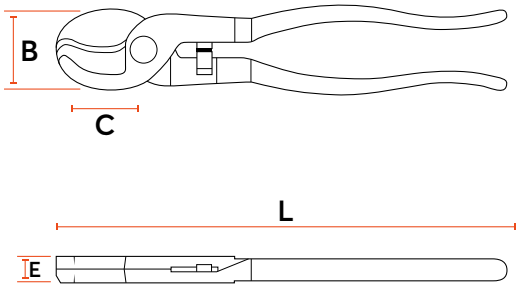
Chrome vanadium steel, with bonded vinyl coated handle. Double polished head and joint with induction hardened cutting edges. Also with side cutter and serrated gripping and crimping jaws behind the head.




| Overall Length | Jaw Length | Jaw Width | Order Code KEN-558 |
|---|---|---|---|
| 140mm | 55mm | 13mm | **-3200K** |
| 160mm | 60mm | 20mm | **-3210K** |
| 200mm | 40mm | 24mm | **-3230K** |

# CABLE CUTTERS/CRIMPING PLIERS






**B** - Jaw Opening
**C** - Jaw Length
**E** - Jaw Width
**L** - Overall Length

## KENNEDY® Ratchet Type Cable Cutters

These cable cutters have heat treated cutting edges and are designed to cut copper/aluminium cables with minimal distortion. The soft grip handles are designed for user comfort whilst exerting force.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 220mm | 55mm | 110mm | 32mm | **-9500K** |
| 240mm | 75mm | 110mm | 42mm | **-9510K** |

## KENNEDY® Ratcheting Cable Cutter

Manufactured from high tensile steel. For cutting copper, aluminium and multiple strand cable. Fully hardened cutting edges produce burr-free cuts. Compound lever action for maximum efficiency and moulded cushion grips for user comfort.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 250mm | 75mm | 85mm | 32mm | **-8200K** |

## KENNEDY® Pro-Torq End Cutting Nippers

Manufactured from specially selected steels. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. Manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip. Double polished head şi joint. Induction hardened cutting edges. Used for twisting şi cutting sârmă in the constructionindustry.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 165mm | 26mm | 31mm | 12mm | **-4860K** |
| 210mm | 28mm | 33mm | 14mm | **-4880K** |

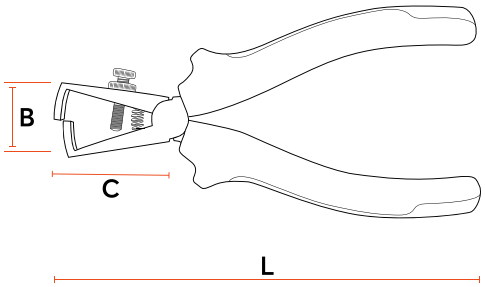
## KENNEDY® End Cutting Nippers

Bonded vinyl-coated handle, double polished head and joint with induction hardened cutting edges. The robust construction makes these ideal for twisting and cutting wire in the construction industry.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 160mm | 29mm | 25mm | 10mm | **-3620K** |

# WIRE STRIPPERS/CABLE CUTTERS






**B** - Jaw Depth
**C** - Jaw Length
**L** - Overall Length

## KENNEDY® Pro-Torq Insulated End Wire Strippers

Especially suitable for production line environments where repetitive work is undertaken. Double polished head and joint with induction hardened cutting edges.

**VDC/IEC 900**
**DIN EN 60900**

**1000VAC**

| Overall Length | Jaw Length | Jaw Depth | Wire Size | Order Code KEN-558 |
|---|---|---|---|---|
| 160mm | 38.5mm | 16.6mm | 6mm | **-5200K** |

## KENNEDY® Heavy Duty Wire Strippers

Multi-purpose tool with alloy steel jaws suitable for stripping, cutting and crimping all types of wire.
Automatic wire stripper.

**Crimps:** non-insulated terminals 1.5, 2.5 and 4 - 6mm 12 - 10, 22 - 18 and 16 - 14 AWG).
**Crimps:** insulated terminals 1.5, 2.5 and 6mm (10 - 22 AWG).
**Capacity:** 0.13 - 6.0mm².

| Overall Length | Jaw Length | Jaw Depth | Wire Size | Order Code KEN-558 |
|---|---|---|---|---|
| 205mm | 25mm | 45mm | 13mm | **-3600K** |

## KENNEDY® Heavy Duty Cable Cutters

For use when cutting aluminium and copper cable, using a slicing action. Manufactured from forged steel with PVC dipped handles.
**Capacity:** 60mm².

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 236mm | 35mm | 42mm | 39.8mm | **-8220K** |

## KENNEDY® Light Duty Cable Cutters

For cutting copper cable, plastic pipe, wooden dowels, rope cord and similar materials up to 10mm diameter. Precision ground and hardened stainless steel blades - 50~54HRC.
Lightweight polypropylene handles with spring loaded action, easy reach thumb catch convenient for right and left hand users.

**Overall length:** 165mm (6½").
**Cutting capacity:** 10mm (⅜").

| Overall Length | Jaw Length | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|
| 165mm | 10mm | 10mm | **-5640K** |

## KENNEDY® 7" Wire Rope Cutters

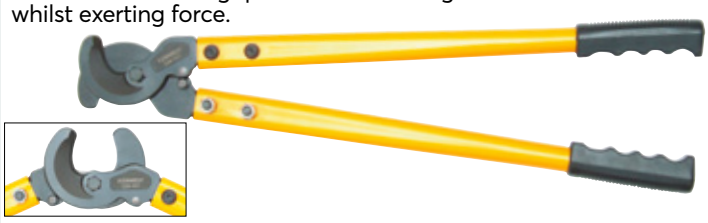
Contoured steel handles with vinyl grip for improved comfort and control. Heavy duty blades manufactured from tempered and hardened high carbon steel with polished finish. Spring-loaded cutting action for easy one-handed operation with safety lock to keep jaws closed when not in use.

**Wire rope capacity:** 4.8mm,
**Spring wire:** 1.5mm.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 190mm | 8mm | 24mm | 5mm | **-5700K** |

## KENNEDY® Lever Type Cable Cutter

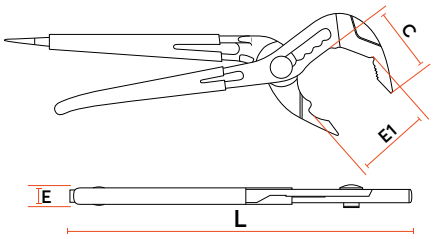
These cable cutters have heat-treated cutting edges and are designed to cut copper/ aluminium cables with minimal distortion. The soft grip handles are designed for user comfort whilst exerting force.



| Overall Length | Jaw Length | Jaw Width | Jaw Depth | Order Code KEN-558 |
|---|---|---|---|---|
| 300mm | 72mm | 50mm | 20mm | **-9400K** |
| 530mm | 150mm | 77mm | 40mm | **-9410K** |
| 770mm | 150mm | 115mm | 57mm | **-9420K** |

# WATER PUMP PLIERS/SLIP JOINT PLIERS






**C** - Jaw Length
**E** - Jaw Width
**E1** - Jaw Opening
**L** - Overall Length

## KENNEDY® Pro-Torq Groove Joint Waterpump Pliers

Non-slip dual material hand grip. Serrated jaws. Joint protector stops the handles trapping fingers.

| Overall Length | Jaw Length | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|
| 265mm | 30mm | 40mm | -2140K |

## SENATOR QUALITY TOOLING Engineer's Pliers - Slip Joint

Chrome vanadium with a chrome finish and textured grip dipped handles. With serrated parallel jaws. Dual position joint.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code SEN-558 |
|---|---|---|---|---|
| 150mm | 24mm | 4mm | 27mm | -4630K |
| 200mm | 25mm | 5mm | 30mm | -4640K |
| 255mm | 31mm | 5mm | 33mm | -4650K |

## SENATOR QUALITY TOOLING Groove Joint Waterpump Pliers

Manufactured from chrome vanadium steel with a satin finish. Textured grip handles for improved comfort and control. Groove joint for quick adjustment with serrated jaws for extra grip.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code SEN-558 |
|---|---|---|---|---|
| 200mm | 24mm | 22mm | 37mm | -4670K |
| 255mm | 32mm | 31mm | 31mm | -4680K |
| 300mm | 31mm | 29mm | 43mm | -4700K |
| 420mm | 60mm | 59mm | 81mm | -4710K |

## YAMOTO INDUSTRIAL PLIERS 10in. Waterpump Pliers

- Manufactured from industrial quality chrome vanadium steel for durability
- Chemically blackened for bolstered resilience
- Sliding pivot to control the jaw opening
- Bonded anti-slip vinyl grips for superior handling and comfort

| Overall Length mm | Insulated | Individual or Set | Order Code YMT-558 |
|---|---|---|---|
| 250 | No | Individual | -4361K |

## KENNEDY® Spring-Loaded Soft Touch Slip Joint Water Pump Pliers

Hardened and tempered chrome vanadium steel, corrosion-resistant chemically blacked finish. Vinyl grips. Replaceable soft grip Plastic inserts.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 250mm | 37mm | 11mm | 40mm | -8920K |
| Soft Jaws To Suit Above | | | | -8930K |

## KENNEDY® Plastic Pipe Gripping Pliers

4-position adjustable slip joint. Serrated gripping jaws with removable plastic jaw covers. Chrome vanadium electric steel.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 230mm | 42mm | 17mm | 66mm | -4100K |

## KENNEDY® Box Joint Waterpump Pliers

The slip joint head design prevents the pliers from twisting when pressure is applied.

- Sliding pivot joint for a wide range of jaw opening
- Joint protector stops the handles trapping fingers
- Satin finish

**Overall length:** 255mm (10").

| Overall Length | Jaw Length | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|
| 255mm | 35mm | 35mm | -2130K |

## KENNEDY® Groove Joint Waterpump Pliers

Hardened chromed steel jaws. Sliding pivot joint allows the widest range of jaw openings. The handles cannot be closed together, preventing trapped fingers.

| Overall Length | Jaw Length | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|
| 190mm | 25mm | 30mm | -3670K |
| 225mm | 30mm | 40mm | -3680K |
| 320mm | 37mm | 48mm | -3700K |
| 405mm | 58mm | 83mm | -3710K |

## SENATOR QUALITY TOOLING Box Joint Waterpump Pliers

Chrome vanadium steel with bonded vinyl-coated handles.

| Overall Length | Order Code SEN-558 |
|---|---|
| 255mm | -4660K |

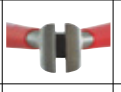
# MINIATURE PLIERS



## Nose Types

| Side View | End View | Head |
|---|---|---|
| Flat Nose | | |
| Bent Nose | | |
| Long Nose | | |
| Needle Nose | | |

| Side View | End View | Head |
|---|---|---|
| Diagonal Cutters | | |
| End Cutters | | |
| Round Nose | | |
| Pointed Bent Nose | | |

| Side View | End View | Head |
|---|---|---|
| Pointed Nose | | |
| Oblique Cutters |  | |
| Micro Diagonal Cutters | | |

## KENNEDY Pro-Torq Miniature Pliers

Dual material grip handle. High quality chrome nickel steel with induction ground cutting edges. For delicate, fine and accurate work.

| Type | Overall Length | Order Code KEN-558 |
|---|---|---|
| Flat Nose | 130mm (5¼") | -1210K |
| Long Nose | 130mm (5¼") | -1240K |
| Needle Nose | 150mm (6") | -1220K |
| Diagonal Cutters | 110mm (4¼") | -1250K |
| End Cutters | 110mm (4¼") | -1260K |

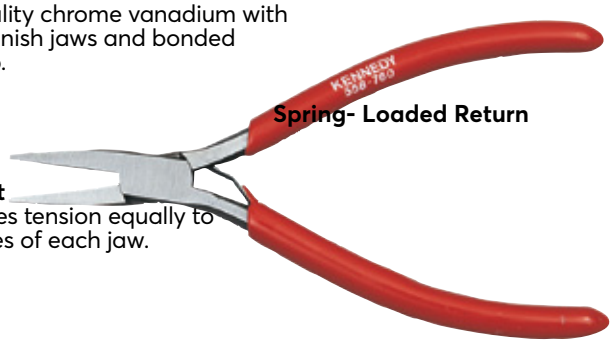
## KENNEDY Pro-Torq Miniature ESD Pliers & Cutters

Dissipative handles safely discharge any electrostatic energy, dual material grip handle with a polypropylene core and soft thermoplastic outer for non-slip comfort grip.

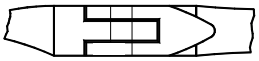
| Type | Overall Length | Order Code KEN-558 |
|---|---|---|
| Flat Nose | 130mm (5¼") | -9120K |
| Bent Nose | 140mm (5½") | -9160K |
| Long Nose | 130mm (5¼") | -9130K |
| Micro Diagonal Cutters | 110mm (4¼") | -9060K |
| Diagonal Cutters | 115mm (4½") | -9080K |

## KENNEDY Electronics Pliers & Cutters

High quality chrome vanadium with ground finish jaws and bonded vinyl grip.



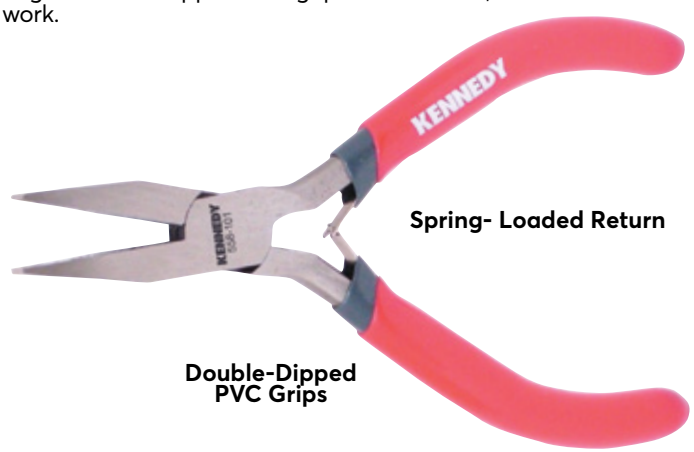

**Box Joint**
Distributes tension equally to both sides of each jaw.



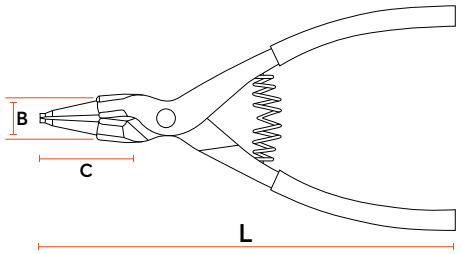
| Type | Overall Length | Order Code KEN-558 |
|---|---|---|
| Flat Nose | 120mm (4⅝") | -7600K |
| Round Nose | 120mm (4⅝") | -7610K |
| Pointed Bent Nose | 120mm (4⅝") | -7620K |
| Pointed Nose - Box Joint | 120mm (4⅝") | -7630K |
| Diagonal Cutters | 120mm (4⅝") | -7640K |
| End Cutters | 120mm (4⅝") | -7650K |
| Oblique Cutters | 120mm (4⅝") | -7660K |

## KENNEDY Miniature Pliers

High quality chrome nickel steel with induction ground cutting edges. Double dipped PVC grips. For delicate, fine and accurate work.




| Type | Overall Length | Order Code KEN-558 |
|---|---|---|
| Bent Nose | 120mm (4⅝") | -7430K |
| Flat Nose | 130mm (5¼") | -7440K |
| Needle Nose | 130mm (6") | -7450K |
| Diagonal Cutters | 110mm (4¼") | -7410K |
| End Cutters | 110mm (4¼") | -7420K |
| Needle Nose | 150mm (4¼") | -7460K |




**C** - Jaw Length
**B** - Circlip Capacity
**L** - Overall Length

## KENNEDY® Pro-Torq Sprung Circlip Pliers

Manufactured from specially selected steels. Dual material grip handle with polypropylene core and soft thermoplastic outer. Double polished head and joint. Induction hardened cutting edges.

**Internal - Straight Jaw**

| Overall Length | Jaw Length | Circlip Capacity | Order Code KEN-558 |
|---|---|---|---|
| 137mm | 32mm | 10-25mm | -6050K |
| 175mm | 52mm | 12-65mm | -6070K |

**External - Straight Jaw**

| Overall Length | Jaw Length | Circlip Capacity | Order Code KEN-558 |
|---|---|---|---|
| 137mm | 30.5mm | 10-25mm | -6060K |
| 175mm | 49mm | 12-40mm | -6080K |

## KENNEDY® Heavy Duty Snap Ring Pliers

**Ratcheting**

Heat-treated steel circlip pliers Replaceable tips and spring ratchet locking mechanism. Black powder coated. Galvanised tips and lock lever. Insulated lever handle.

| Type | Jaw Length | Circlip Capacity | Order Code KEN-558 |
|---|---|---|---|
| Internal | 24-67mm | 165 - 300mm | -6700K |
| Straight | 33-74mm | 165 - 300mm | -6710K |
| External | 24-67mm | 165 - 300mm | -6720K |
| Straight | 33-74mm | 165 - 300mm | -6730K |

| Spare Jaws | To suit | Order Code KEN-567 |
|---|---|---|
| Straight | 165 - 300mm | -3820K |
| Angled | 165 - 300mm | -3840K |

## KENNEDY® Reversible Circlip Pliers

Reversible for both internal and external circlip insertion and removal, high grade carbon steel vinyl handles.

**Straight Jaw**

| Overall Length | Jaw Length | Circlip Capacity | Order Code KEN-558 |
|---|---|---|---|
| 150mm | 15mm | 10-18mm | -5870K |
| 150mm | 18mm | 12-25mm | -5890K |
| 210mm | 20mm | 18-48mm | -5910K |

## KENNEDY® Circlip Pliers

**Long Handled**

Industrial quality chrome vanadium hardened and tempered. PVC cushion grip handles. Coil sprung to aid operation.

| Type | Overall Length | Jaw Length | Circlip Capacity | Order Code KEN-558 |
|---|---|---|---|---|
| Internal Straight | 310mm | 62mm | 85-165mm | -6650K |
| Internal Bent | 310mm | 46.3mm | 85-165mm | -6660K |
| External Straight | 310mm | 64mm | 85-165mm | -6670K |
| External Bent | 310mm | 47mm | 85-165mm | -6680K |

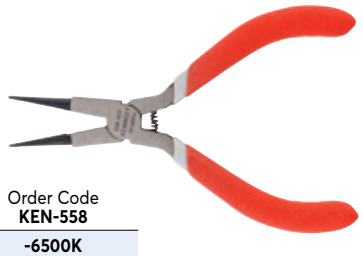
## KENNEDY® European Pattern Circlip Pliers

Chrome vanadium hardened and tempered. PVC cushion grip handles. Coil sprung to aid oindation.

**Külső - Egyenes Jaw**

| Overall Length | Jaw Length | Circlip Capacity | Order Code KEN-558 |
|---|---|---|---|
| 125mm | 34mm | 10-25mm | -6520K |
| 175mm | 41mm | 12-40mm | -6570K |
| 230mm | 48mm | 32-80mm | -6620K |

**Internal - Straight Jaw**



| Overall Length | Jaw Length | Circlip Capacity | Order Code KEN-558 |
|---|---|---|---|
| 125mm | 25mm | 10-25mm | -6500K |
| 175mm | 38.5mm | 12-65mm | -6550K |
| 230mm | 48mm | 32-80mm | -6600K |

**External - 90° Angled Jaw**

| Type | Overall Length | Jaw Length | Circlip Capacity | Order Code KEN-558 |
|---|---|---|---|---|
| Bent | 125mm | 17mm | 10-25mm | -6530K |
| Straight | 175mm | 28.5mm | 12-40mm | -6580K |
| Bent | 230mm | 33.5mm | 32-80mm | -6630K |

**Internal - 90° Angled Jaw**

| Overall Length | Jaw Length | Circlip Capacity | Order Code KEN-558 |
|---|---|---|---|
| 125mm | 16mm | 10-25mm | -6510K |
| 175mm | 26mm | 12-65mm | -6560K |
| 230mm | 34mm | 32-80mm | -6610K |

# WRENCHES/SPECIALISED PLIERS

## KENNEDY Fencing Tool

Chrome vanadium steel, with heavy duty handle with slip guard. Double polished head and joint. Induction hardened cutting edges. Also with serrated gripping and crimping jaws behind the head.

| Overall Length | Order Code KEN-558 |
|---|---|
| 270mm | **-3720K** |

## KENNEDY Wire Twisting Pliers

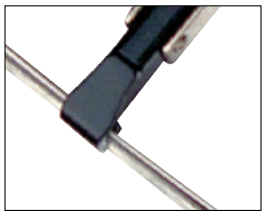
Manufactured from chrome vanadium steel with ground and polished head. Cross knurled jaws with wire cutter. Used for safety-wiring critical fasteners and electrical connectors.

| Overall Length | Order Code KEN-558 |
|---|---|
| 200mm | **-3900K** |
| 255mm | **-3920K** |

## KENNEDY Axial Grip Wrenches

For auto body repair and steel fabrication. Chrome steel body with narrow profile jaws for confined areas. Straight line jaw motion allows clamping through holes. Push button release for one-handed clamp releasing. No provisional (or track) welding required to hold auto body parts for assembly.

**Lap Joint Clamp - L-Type**
Clamps two lap joints.
**Jaw width:** 18mm.



| Overall Length | Jaw Capacity | Order Code KEN-558 |
|---|---|---|
| 195mm | 0-18mm | **-9200K** |

## KENNEDY Revolving Punch Pliers

**Heavy Duty**
Suitable for producing 2, 2.5, 3, 3.5, 4 and 4.5mm holes in a wide range of materials including card, PVC, etc. Hardened steel body with durable epoxy coating. The six revolving punches cutting edges are induction hardened. Compound lever action, requires 70% less force. Moulded contour grips with slip guards.

| Overall Length | Weight each | Order Code KEN-558 |
|---|---|---|
| 270mm (10½") | 430g | **-3800K** |

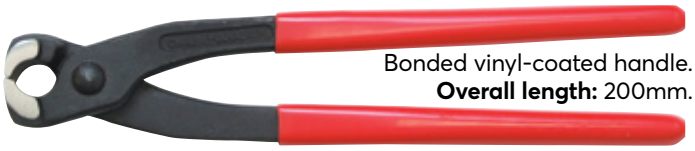
## KENNEDY Revolving Punch Pliers

**Standard Duty**
For producing 2, 2.5, 3, 3.5, 4 and 4.5mm holes in a wide range of materials including card, PVC etc. Hardened steel body with durable epoxy coating. Six revolving punches cutting edges are induction hardened. Moulded contour grips.

| Overall Length | Weight each | Order Code KEN-558 |
|---|---|---|
| 250mm (10") | 310g | **-3780K** |

## KENNEDY O-Clip Pincers

O-clip pincers are designed for rapidly closing O-clips ensuring a positive tamperproof seal. Manufactured from chrome vanadium steel with induction hardened, ground and polished jaws.



Bonded vinyl-coated handle.
**Overall length:** 200mm.

| Overall Length | Order Code KEN-558 |
|---|---|
| 200mm (8") | **-1000K** |

## KENNEDY Carpenter's Pincers

Ideal for the easy removal of tacks and nails. Bonded vinyl-coated handle, double polished head and joint with induction hardened cutting edges.

| Overall Length | Order Code KEN-558 |
|---|---|
| 200mm (8") | **-3760K** |

## KENNEDY® Curved Jaw Grip Wrenches

Rolled chrome vanadium steel bodies, drop forged hardened steel jaws with corrosion-resistant bright nickel coating. The jaw opening and clamping pressure can be adjusted with the knurled head screw.

| Type | Overall Length | Jaw Capacity | Order Code KEN-558 |
|---|---|---|---|
| Standard | 125mm | 26mm | -7150K |
| Standard | 180mm | 41mm | -7170K |
| Heavy | 255mm | 53mm | -7200K |
| Heavy | 255mm | 53mm | -7230K |

**Set:** Details as above.

| Number of Pieces | Contents | Order Code KEN-558 |
|---|---|---|
| 2 | 125mm (5") & 255mm (10") | -7290K |

## KENNEDY® Long Nose

Specially designed with long slim jaws to enable access to restricted areas. With quick release.

| Overall Length | Jaw Capacity | Order Code KEN-558 |
|---|---|---|
| 150mm | 57mm | -8060K |
| 230mm | 70mm | -8070K |

## KENNEDY® Parallel Plus Grip Wrench

Heavy duty chrome vanadium. With quick release. Self-adjusting lower jaw swivels into place. Grips squares, hexagons.

| Overall Length | Jaw Capacity | Order Code KEN-558 |
|---|---|---|
| 255mm | 45mm | -7250K |

## KENNEDY® Flat & Convex Grip Wrench

The convex jaw shape allows clearance around small obstacles and the broad jaw profile ensures that flat workpieces are clamped securely.

| Overall Length | Jaw Capacity | Order Code KEN-558 |
|---|---|---|
| 300mm | 0-100mm | -8420K |

## SENATOR QUALITY TOOLING Long Jaw Grip Wrenches

High strength.

| Overall Length | Jaw Capacity | Order Code SEN-558 |
|---|---|---|
| 165mm | 57mm | -7260K |
| 230mm | 70mm | -7290K |

## KENNEDY® Self-Levelling Grip Wrenches

The two knurled swivel pads ensure fully flat contact with the workpiece at the clamping point. Suitable for clamping tapered surfaces without slippage. Narrow jaw profile allows use in areas of confined access and where C-clamps cannot reach.

| Overall Length | Jaw Capacity | Order Code KEN-558 |
|---|---|---|
| 235mm | 0-45mm | -8460K |
| 300mm | 0-100mm | -8480K |

## KENNEDY® Multi-Purpose Grip Wrench

The jaw configuration allows straight, curved and convex shapes to be gripped.

| Overall Length | Jaw Capacity | Order Code KEN-558 |
|---|---|---|
| 235mm | 0-63mm | -8040K |

## KENNEDY® Long Nose Grip Wrenches

NEW

- Heavy duty construction for product longevity
- Bi-material grip provides enhanced operator comfort
- Locks securely for reliability
- Quick release lever for efficiency on the job

| Overall Length | Order Code KEN-558 |
|---|---|
| 150mm | -7550K |
| 230mm | -7560K |

## KENNEDY® Locking C-Clamps - Swivel Pads

Wide and deep jaw profile, clears obstacles to firmly clamp sections that a normal grip wrench cannot. With swivel contact pads to allow tapered surfaces to be clamped.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code **KEN-558** |
|---|---|---|---|---|
| 170mm | 54mm | 81mm | 38mm | **-9330K** |
| 285mm | 96mm | 120mm | 72mm | **-9340K** |
| 365mm | 130mm | 32mm | 150mm | **-8670K** |
| 450mm | 260mm | 134mm | 120mm | **-9350K** |
| 610mm | 412mm | 134mm | 140mm | **-9360K** |

## KENNEDY® Sheet Metal Clamp

The wide jaws distribute the clamping force evenly to prevent damaging the workpiece being handled.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code **KEN-558** |
|---|---|---|---|---|
| 200mm | 43mm | 80mm | 42mm | **-8080K** |

## KENNEDY® Table C-Clamp

Five holes in base to allow fixture to work surface as a permanent clamp. Swivel foot to clamp tapered workpieces.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code **KEN-558** |
|---|---|---|---|---|
| 280mm | 78mm | 32mm | 100mm | **-8160K** |

## KENNEDY® Welder's Clamp

Deep throated, suitable for clamping sheet metal, body panels and sills, with split jaws to allow maximum visibility and access to the working area when welding.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code **KEN-558** |
|---|---|---|---|---|
| 267mm | 49mm | 75mm | 60mm | **-8000K** |

## SENATOR® QUALITY TOOLING Sheet Metal Clamp

The wide jaws distribute the clamping force evenly to prevent damaging the workpiece being handled.

| Overall Length | Jaw Width | Jaw Opening | Order Code **SEN-558** |
|---|---|---|---|
| 255mm | 80mm | 6-50mm | **-7300K** |

## SENATOR® QUALITY TOOLING Welder's Clamp

Deep throated, suitable for clamping sheet metal, body panels and sills, with split jaws to allow maximum visibility and access to the working area when welding.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code **SEN-558** |
|---|---|---|---|---|
| 160mm | 70mm | 80mm | 60mm | **-7500K** |

## KENNEDY® Straight Jaw Bi-Material Handle Grip Wrenches

Rolled chrome vanadium steel bodies, drop-forged hardened steel jaws with corrosion-resistant bright nickel coating. The dual material handle design allows the user to apply the greatest force.

| Overall Length | Jaw Capacity | Order Code KEN-558 |
|---|---|---|
| 175mm | 33mm | -7030K |
| 255mm | 44mm | -7040K |

## KENNEDY® Curved Jaw Grip Wrenches

NEW

- Heavy duty construction for a reliable and longlasting product
- Bi-material grip provides enhanced operator comfort
- Locks securely for a reliable grip
- Quick release lever for efficiency on the job

| OverallLength | Order Code KEN-558 |
|---|---|
| 125mm | -7500K |
| 180mm | -7510K |
| 255mm | -7520K |

## SENATOR QUALITY TOOLING Straight & Curved Jaw Grip Wrenches

High strength grip wrench bodies are manufactured from rolled chrome vanadium steel with serrated drop forged hardened steel jaws.

**Straight Jaw**

**Curved Jaw**

| Type | Overall Length | Jaw Capacity | Order Code SEN-558 |
|---|---|---|---|
| Straight Jaw | 180mm | 45mm | -7070K |
| Straight Jaw | 255mm | 55mm | -7100K |
| Curved Jaw | 180mm | 45mm | -7170K |
| Curved Jaw | 255mm | 55mm | -7200K |

## KENNEDY® Curved Jaw Grip Wrenches

- Heavy duty construction for a reliable and longlasting product
- Bi-material grip provides enhanced operator comfort
- Locks securely for a reliable grip
- Quick release lever for efficiency on the job

**Set:** Details as above.

| Number of Pieces | Contents | Order Code KEN-558 |
|---|---|---|
| 2 | 125mm (5") & 255mm (10") | -7280K |

## KENNEDY® Ideal Grip Wrench

Heavy duty chrome vanadium. With quick release. Two staged curved jaw design for gripping small and large diameters. Particularly suited to gripping rounded off nuts and circular objects.

| Overall Length | Jaw Capacity | Order Code KEN-558 |
|---|---|---|
| 255mm | 0-60mm | -7270K |

## KENNEDY® Irwin Vise-Grip Straight Jaw Grip Wrenches

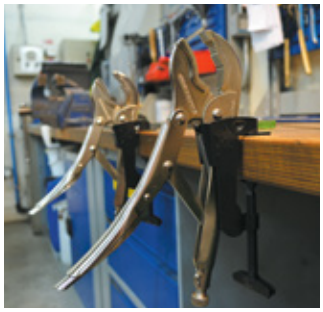
Rolled chrome vanadium steel bodies, drop forged hardened steel jaws with corrosion-resistant bright nickel coating. For general-purpose gripping.

| Type | Overall Length | Jaw Capacity | Order Code KEN-558 |
|---|---|---|---|
| Standard | 125mm | 23mm | -7050K |
| Standard | 180mm | 33mm | -7070K |
| Standard | 255mm | 43mm | -7100K |
| Heavy | 255mm | 43mm | -7130K |

## KENNEDY® Grip Holder

Can be used as a normal C-type clamp or converts most 250mm and 300mm grip wrenches into a versatile portable vice. Steel frame with butterfly adjustment screw and swivel clamping pad.

**N.B. Supplied singly.**
**Grip wrench not included.**



| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 130mm | 0-60mm | 35mm | 60mm | **-8020K** |

## KENNEDY® Spindle Clamps

Fine spindle clamping adjustment enables accurate clamping. Swivel joint clamping points allow tapered surfaces to be securely clamped. Copper plated spindle and clamping points ensure weld splatter will not adhere.

**Quick Release Lever**

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 300mm | 90mm | 32mm | 0-25mm | **-8720K** |
| 330mm | 90mm | 32mm | 0-100mm | **-8740K** |

## KENNEDY® Hose Clamp

Long rounded jaws with smooth section. For pinching off hoses without serration and gripping small sections of pipes. Invaluable aid for brake repairs on cars.

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 235mm | 77mm | 6mm | 70mm | **-8180K** |

## KENNEDY® Locking C-Clamps

Wide and deep jaw profile, clears obstacles to firmly clamp sections that a normal grip wrench cannot.

**Quick Release Lever**

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code KEN-558 |
|---|---|---|---|---|
| 170mm | 52mm | 81mm | 38mm | **-9270K** |
| 280mm | 91mm | 139mm | 72mm | **-9290K** |
| 445mm | 259mm | 144mm | 120mm | **-9300K** |
| 605mm | 420mm | 144mm | 140mm | **-9440K** |

## SENATOR® QUALITY TOOLING Locking C-Clamps

Wide and deep jaw profile, clear obstacles to firmly clamp sections that a normal grip wrench cannot.

**Quick Release Lever**

| Overall Length | Jaw Length | Jaw Width | Jaw Opening | Order Code SEN-558 |
|---|---|---|---|---|
| 220mm | 75mm | 68mm | 50mm | **-7360K** |
| 280mm | 130mm | 140mm | 115mm | **-7410K** |

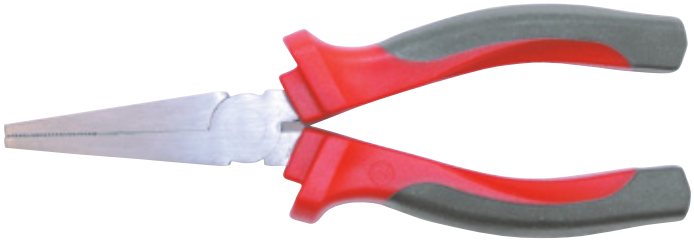
# LONG NOSE PLIERS/DIAGONAL PLIERS



## KENNEDY® Pro-Torq Flat Nose Pliers

• Dual material grip handle design (polypropylene core)

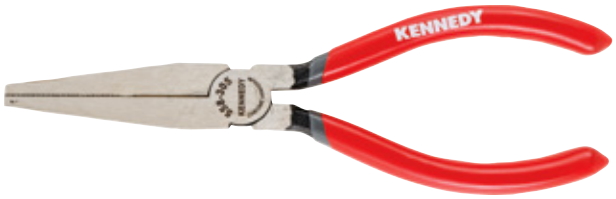
**Nose angle:** Straight.
**Jaw length:** 60mm.
**Overall length:** 160mm.



| Overall Length | Jaw Length | Order Code KEN-558 |
|---|---|---|
| 160mm | 60mm | -2090K |

## KENNEDY® Flat Nose Pliers

Ideal for general gripping especially thin materials. Bonded vinyl coated handle. Double polished head and joint. Induction hardened cutting edges.




* Serrated jaws

| Overall Length | Jaw Length | Order Code KEN-558 |
|---|---|---|
| 140mm | 50mm | -3020K |
| 160mm | 60mm | -3050K |

## KENNEDY® Combination Pliers

Featuring dual material grip handle with slip guard, double polished head and joint, induction hardened cutting edges and side cutter.
• Jaw style: serrated
• Jaw material: steel
• Handle material: polypropylene/thermoplastic
• Ideal for environments where repetitive work is undertaken

| Total length | Jaw opening | Order Code KEN-558 |
|---|---|---|
| 165mm | 30mm | -6820K |

## KENNEDY® Long Jaw Round Nose Pliers

Bonded vinyl-coated handle. Double polished head and joint. Induction hardened cutting edges.
The round nose jaws allow the forming of loops in wire or thin strips of material.

| Overall Length | Jaw Length | Order Code KEN-558 |
|---|---|---|
| 160mm | 55mm | -3120K |

## KENNEDY® Electrician's Flat Nose Pliers with Notched Wire Cutter

Bonded vinyl-coated handle. Double polished head and joint. Induction hardened cutting edges. Serrated jaws.

**Notched Cutter**

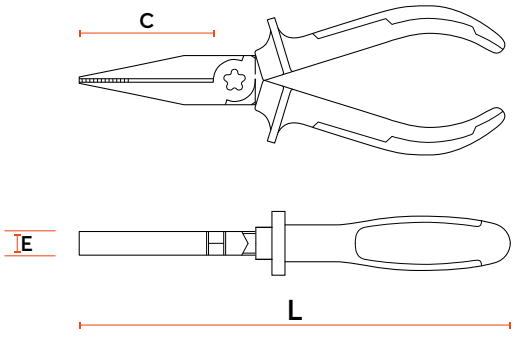
| Overall Length | Jaw Length | Order Code KEN-558 |
|---|---|---|
| 160mm | 60mm | -3140K |

## KENNEDY® Standard Diagonal Cutting Nippers

Double polished head and joint.
Induction hardened cutting edges.

| Overall Length | Jaw Length | Jaw Width | Order Code KEN-558 |
|---|---|---|---|
| 130mm | 19mm | 17mm | -3300K |
| 160mm | 23mm | 19mm | -3320K |
| 180mm | 27mm | 25mm | -3330K |

# LONG NOSE PLIERS/DIAGONAL PLIERS




**C** - Jaw Length
**E** - Jaw Width
**L** - Overall Length

## KENNEDY® Pro-Torq Long Nose Pliers with Side Cutter

Manufactured from specially selected steels. The dual material grip handle design allows the user to apply the greatest force with the minimum amount of effort. Manufactured with a polypropylene core for strength and durability with a soft thermoplastic outer for non-slip comfort grip. Especially suitable for production line environments where repetitive work is undertaken. Double polished head and joint. Induction hardened cutting edges with serrated jaws for gripping nuts.

| Overall Length | Jaw Length | Order Code KEN-558 |
|---|---|---|
| 160mm | 60mm | -2080K |
| 200mm | 80mm | -2100K |

## KENNEDY® Pro-Torq Insulated Diagonal Cutting Nippers

Insulated Diagonal Cutting Nippers. Especially suitable for production line environments where repetitive work is undertaken. Double polished head and joint with induction hardened cutting edges.

**VDC/IEC 900**
**DIN EN 60900**

1000VAC

| Overall Length | Jaw Length | Jaw Width | Order Code KEN-558 |
|---|---|---|---|
| 160mm | 21mm | 21mm | -5100K |
| 180mm | 20mm | 28mm | -5120K |

## KENNEDY® Bent Nose Pliers with Cutter

Chrome vanadium steel, bonded vinyl coated handle. Double polished head and joint with induction hardened cutting edges. Serrated jaws with side cutter.

| Overall Length | Jaw Length | Order Code KEN-558 |
|---|---|---|
| 160mm | 50mm | -3250K |
| 200mm | 45mm | -3260K |

## KENNEDY® Pro-Torq Diagonal Cutting Nippers

Double polished head and joint. Induction hardened cutting edges. Dual material grip handle with slip guard.

| Overall Length | Jaw Length | Jaw Width | Order Code KEN-558 |
|---|---|---|---|
| 125mm | 18mm | 16mm | -2020K |
| 165mm | 21mm | 22mm | -2010K |

## YAMOTO INDUSTRIAL PLIERS Diagonal Cutting Nippers

Industrial quality chrome vanadium steel, chemically blacked. Designed to give added strength and allow hard wire to be cut without damaging the edge.

| Overall Length | Jaw Length | Jaw Width | Order Code YMT-558 |
|---|---|---|---|
| 130mm | 30mm | 19mm | -4354K |
| 160mm | - | - | -4350K |
| 185mm | 38mm | 26mm | -4355K |

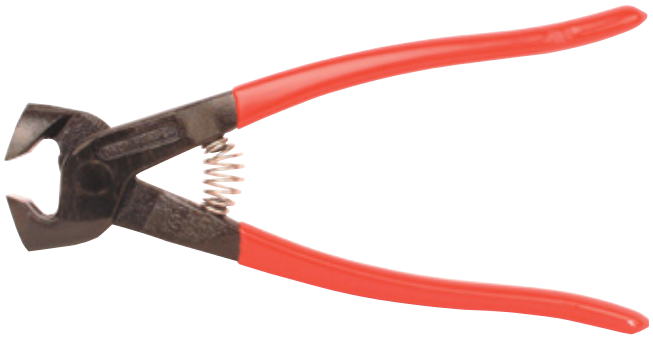
## KENNEDY® High Tensile Diagonal Cutting Pliers

Chrome vanadium steel, with bonded vinyl-coated handle. Double polished head and joint. Induction hardened cutting edges.

| Overall Length | Order Code KEN-558 |
|---|---|
| 160mm | -3410K |
| 180mm | -3430K |

## KENNEDY® 200mm (8") Tile Nipper

For nibbling shapes in wall and floor tiles. Suitable for use on both ceramic wall and floor tiles. Drop forged steel handles and tungsten carbide tips.
**Capacity:** 6mm (¼")



| Overall Length | Weight each | Order Code KEN-558 |
|---|---|---|
| 200mm | 345g | -8260K |

## SENATOR® QUALITY TOOLING High Tensile Diagonal Cutting Nippers

Chrome vanadium with textured dipped PVC handles for use on hard wire. Hardened cutting edges.

| Overall Length | Jaw Length | Jaw Width | Order Code SEN-558 |
|---|---|---|---|
| 175mm | 41mm | 30mm | -4430K |

## KENNEDY® Wheel Balancing Plier

NEW

- Multi-functional design combines hammer, pliers, and crimping tools, reducing the need for multiple tools
- Fits various types of wheel balancer weights, suitable for multiple vehicle types
- Secure handling offered by hooks, for easy weight removal and hammer for secure placement on the rim
- Durable construction withstands rigorous use, ensuring long-lasting reliability

| Order Code KEN-558 |
|---|
| -3462D |

## SENATOR® QUALITY TOOLING Heavy Duty Diagonal Cutting Nippers

Chrome vanadium steel with a satin finish. Also have a serrated section behind the head for gripping. Hard wearing heavy-duty PVC safety handles.

| Overall Length | Jaw Length | Jaw Width | Order Code SEN-558 |
|---|---|---|---|
| 125mm | 15mm | 13mm | -4300K |
| 150mm | 34mm | 21mm | -4320K |
| 200mm | 41mm | 23mm | -4340K |

# MULTIFUNCTIONAL PLIERS



## KENNEDY® Miniature Pliers Sets

Supplied in a cushioned zip around case with elasticated tool loops to keep the pliers and cutters secure.

**Contents:**
1x flat nose - 130mm (5¼"),
1x bent nose - 120mm (4⅝"),
1x long nose - 130mm (5¼"),
1x needle nose - 150mm (6"),
1x diagonal cutters - 110mm (4¼"),
1x end cutters - 110mm (4¼").

| Number of Pieces | Order Code KEN-558 |
|---|---|
| 6 | -7470K |

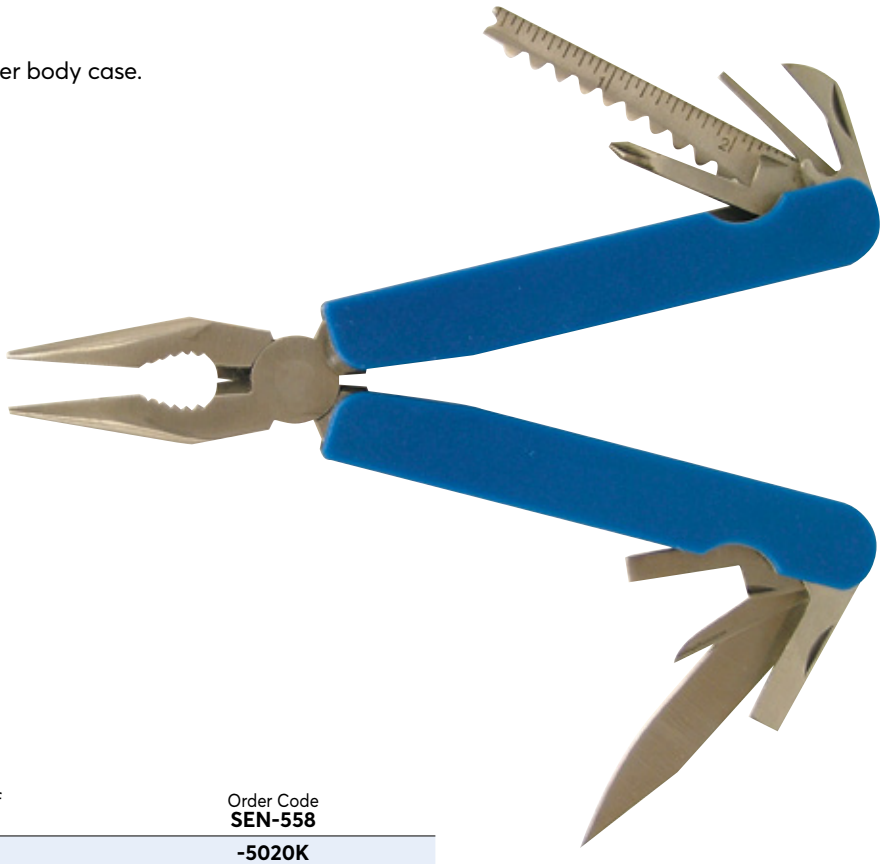
**Contents:**
1x flat nose - 130mm (5¼"),
1x bent nose - 120mm (4⅝"),
1x long nose - 130mm (5¼"),
1x needle nose - 150mm (6"),
1x diagonal cutters - 110mm (4¼"),
1x end cutters - 110mm (4¼").

| Number of Pieces | Order Code KEN-558 |
|---|---|
| 6 | -1300K |

## SENATOR QUALITY TOOLING 8 Blade - 13 Function

All stainless steel body and blades with plastic outer body case.
Easy to open blades.
Folds down to a compact 30 x 100mm.

**Plier overall dimensions:** 60 x 160mm.
**Functions:**
- 60mm clipt point super sharp knife blade
- 7.5 x 25mm flat screwdriver
- 5 x 22mm flat screwdriver
- 2 x 20mm flat screwdriver
- 25mm awl/punch tool
- No.0 x 25mm crosspoint driver
- Inch graduated ruler with
- Fish descaler and hook remover
- Tin opener
- Long nosed pliers with flat and curved serrated jaws
- Bypass action wire cutters



**8 Blades**
**13 Functions**

| Model Number | Number of Functions | Order Code SEN-558 |
|---|---|---|
| MTP813 | 13 | -5020K |

## KENNEDY Pro-Torq Comfort Grip Pliers Sets

Chrome vanadium steel jaws with nickel-plated finish. Non-slip comfort grip.

DUAL MATERIAL HANDLES

| Contents | Order Code KEN-558 |
|---|---|
| **4 Piece Set** | |
| Combination, Diagonal Cutters, Groove Joint, Snipe Nose Pliers | **-2110K** |
| **3 Piece Set** | |
| Combination, Diagonal Cutters, Snipe Nose Pliers | **-2120K** |

## KENNEDY 3-Piece Professional Quality Chrome Vanadium Plier Set

3 piece set ensures you have the correct tool to hand when on site

3 PIECES

| Contents | Order Code KEN-558 |
|---|---|
| Long Nose 160mm<br>Diagonal Cutters 160mm<br>Combination 160mm | **-9830K** |

## KENNEDY Straight & Bent Nose Reversible Circlip Plier Set

Supplied in moulded carry case.

**Contents:**
x1 Straight/x1 Bent
**Capacity:** 10 - 18mm
x1 Straight/x1 Bent
**Capacity:** 12 - 25mm
x1 Straight/x1 Bent
**Capacity:** 18 - 48mm

6 PIECES

| Number of Pieces | Order Code KEN-558 |
|---|---|
| 6 | **-5930K** |

## YAMOTO Plier Sets, 3 Pieces

- Sets contain one set of combination pliers, some diagonal nippers and a pair of snipe nose pliers for any circumstance
- Bi-material grips bolster user comfort, grip and control
- Chrome vanadium steel construction is highly durable

| Overall Length mm | Jaw Length mm | Order Code YMT-558 |
|---|---|---|
| 160 | 170, 150, 165 | **-4360K** |
| 205 | 200, 185, 210 | **-4362K** |

## KENNEDY Pro-Torq Insulated Plier Set

3 Piece Set
Double polished head and joint with induction hardened cutting edges. **VDC/IEC 900 DIN EN 60900**.

**3 Piece Set Contents:**
Nippers 160mm (6³⁄₈"),
long nose 160mm (6³⁄₈"),
combination 160mm (6³⁄₈").

3 PIECES

Order Code KEN-558

**-6980K**

## KENNEDY Sprung Internal & External Straight Jaw 4 Piece Circlip Plier Set

Supplied in a plastic moulded carry case.

**Contents 1 of each:**
External straight jaw, 10 - 25mm and 19 - 40mm.
Internal straight jaw, 10 - 25mm and 12 - 65mm.

DUAL MATERIAL HANDLES

4 PIECES

| Number of Pieces | Order Code KEN-558 |
|---|---|
| 4 | **-6090K** |

## KENNEDY Interchangeable Head Circlip Plier Set

Circlip plier set - eight tools in one. Converts from internal to external. Straight, 45° and 90° interchangeable heads.

**Overall length:** 165mm (6½").
**Spigot dia:** 2x Straight 1.2 and 1.5mm, 45° 1.5mm, 90° 1.2mm.
**Capacity:** 10 - 50mm (³⁄₈" - 2").

| Circlip Capacity | Order Code KEN-558 |
|---|---|
| 10 - 50mm | **-6750K** |

## KENNEDY Mini Circlip Pliers

**4 Piece Set**
Set of four pliers for internal and external circlips (range 10-30mm). The pliers feature non-slip PVC grips and spring-loaded jaws. The set comprises Straight and Bent Nose, Internal and External Pliers.

4 PIECES

| Number of Pieces | Order Code KEN-558 |
|---|---|
| 4 | **-6160K** |

# PLIER SETS



## KENNEDY 3-Piece Professional Quality Chrome Vanadium Plier Sets

| Contents | Order Code KEN-558 |
|---|---|
| Adjustable Wrench 205mm<br>Groove Joint 190mm<br>Combination 180mm | -9810K |

| Contents | Order Code KEN-558 |
|---|---|
| Long Nose 205mm<br>Diagonal Cutters 180mm<br>Linesman Combi 205mm | -9850K |

| Contents | Order Code KEN-558 |
|---|---|
| Adjustable Wrench 150mm<br>Diagonal Cutters 160mm<br>Combination 160mm | -9820K |

## YAMOTO Chrome Vanadium Plier & Wrench Set

Manufactured from industrial quality chrome vanadium steel, chemically blacked with laser etched markings and bi-material grips.

**3-Piece Plier & Wrench Set**

| Contents | Order Code YMT-558 |
|---|---|
| Waterpump Plier 250mm<br>Combination Plier 185mm<br>Adjustable Wrench 150mm | -9810K |

## SENATOR QUALITY TOOLING Plier Set

- All pliers are manufactured from chrome vanadium steel making for a durable product
- Serrated jaws help to grip nuts
- PVC handles to improve grip and control
- 3 piece set combines cutting nippers, snipe nose and linesman's pliers to ensure you have the correct tool for your needs

| Overall Length | Order Code SEN-558 |
|---|---|
| 150mm | -9830K |

## KENNEDY® Hand Stamps

Drawn carbon steel nickel-plated hand stamps with chamfered edges to prevent accidental damage to workpiece.

**Positive Indent (Standard)**

**See online for Individual Letters & Number Stamps**

| Set Description | No. of Pieces | Font Size (mm) | Overall Length | Order Code KEN-560 |
|---|---|---|---|---|
| Letter A - Z Plus & | 27 | 1.5 | 73 | -6400K |
| | | 2.5 | 73 | -6410K |
| | | 3.0 | 73 | -6420K |
| | | 4.0 | 73 | -6430K |
| | | 5.0 | 78 | -6440K |
| | | 6.0 | 78 | -6450K |
| | | 8.0 | 80 | -6460K |
| | | 10.0 | 92 | -6470K |
| | | 12.0 | 92 | -6480K |
| Figure 0 - 9 | 9 | 1.5 | 71 | -6000K |
| | | 2.5 | 71 | -6010K |
| | | 3.0 | 71 | -6020K |
| | | 4.0 | 71 | -6030K |
| | | 5.0 | 75 | -6040K |
| | | 6.0 | 75 | -6050K |
| | | 8.0 | 83 | -6060K |
| | | 10.0 | 90 | -6070K |
| | | 12.0 | 90 | -6080K |

**Positive Indent Low Stress Punches**
For use on brittle material to avoid damage.

| Set Description | No. of Pieces | Font Size (mm) | Overall Length | Order Code KEN-560 |
|---|---|---|---|---|
| Letter A - Z Plus & | 27 | 3.0 | 73 | -7300K |
| Letter A - Z Plus & | 27 | 6.0 | 78 | -7600K |
| Figure 0 - 9 | 9 | 3.0 | 71 | -5300K |
| Figure 0 - 9 | 9 | 6.0 | 75 | -5600K |

## SENATOR QUALITY TOOLING Letter & Number Stamps

Standard quality, with strength up to 800N/mm².
Hardness at the engraving: 58 - 60HRC.
Type of characters according to **DIN 1451**.

| Set Description | Number of Pieces | Font Size | Order Code SEN-560 |
|---|---|---|---|
| Numbers 0 - 9 | 9 | 3.0 | -1300K |
| | | 4.0 | -1400K |
| | | 5.0 | -1500K |
| | | 6.0 | -1600K |
| | | 8.0 | -1800K |
| | | 10.0 | -2100K |
| Letters A - Z | 27 | 3.0 | -3300K |
| | | 4.0 | -3400K |
| | | 5.0 | -3500K |
| | | 6.0 | -3600K |
| | | 8.0 | -3800K |
| | | 10.0 | -4100K |

## KENNEDY® 6 Wheel Number Punch

Ideal for rapid precise marking of six figure numbers in one impact. Manufactured from nickel-plated carbon steel, knurled handle for extra grip.

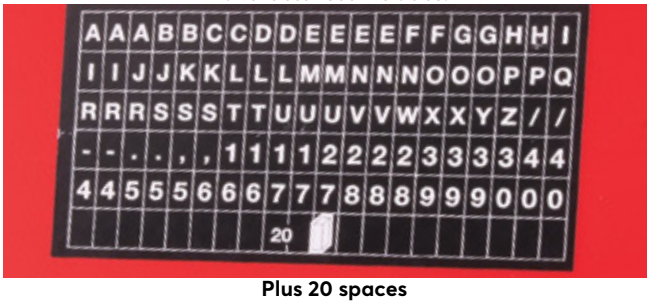
| Fount Size (mm) | Overall Length | Order Code KEN-560 |
|---|---|---|
| 3.0 | 130 | -9000K |

# PUNCHES & STAMPS

## KENNEDY® Fount Set

Precision manufactured carbon steel alphabetical and numeric-marking stamps with nickel-plated finish. For producing between eight and ten clean uniform impressions in one impact, suitable for all batch and general-purpose marking. Each set contains tweezers to allow easy handling of the individual fount blocks. The knurled grip fount holder has an impact resistant plastic hand shield to redirect the force of miss-hits safely away from your hand preventing injury. Hexagon wrench for operating the fount retaining screw and 100 characters and spaces according to the most common use. Supplied complete in a foam-lined plastic carry case. **Individual Nickel-plated Carbon Steel Founts** For use with holder shown below. 3mm character height.

**Character set includes:**




**Plus 20 spaces**

| Character | Order Code KEN-560 |
|---|---|
| **Numeric** | |
| **0** | **-8100K** |
| **1** | **-8110K** |
| **2** | **-8120K** |
| **3** | **-8130K** |
| **4** | **-8140K** |
| **5** | **-8150K** |
| **6** | **-8160K** |
| **7** | **-8170K** |
| **8** | **-8180K** |
| **9** | **-8190K** |

**Set**

| No. of Pieces | Fount Size (mm) | Order Code KEN-560 |
|---|---|---|
| 100 | 3.0 | **-9300K** |

**Individual Holder**

| Overall Length | Order Code KEN-560 |
|---|---|
| 125mm | **-9500K** |

## KENNEDY® Power Punch Kit

Provides smooth piercing with minimum effort. For use on steel, aluminium, plastic and leather. Adjustable depth gauge. Suitable for materials up to 14 gauge. Die and punch sizes: 2.38, 3.18, 3.97, 4.76, 5.56, 6.35, and 7.14mm.

**14 PIECES**

| Model Number | Throat Capacity | Weight each | Order Code KEN-560 |
|---|---|---|---|
| PPK2812 | 45mm (1¾") | 1.60kg | **-7800K** |

## KENNEDY Stencil Sets

Stencils manufactured from hard-wearing quality steel with precision cut letters for a clean sharp image. Suitable for use with all paints and marking compounds for marking packing cases with shipping details, loading/work bay walls for identification, car park spaces and countless other applications.

**10-Piece Numbered Sets 0 - 9**

| Character Height | Order Code KEN-561 |
|---|---|
| 40mm | **-0400K** |
| 50mm | **-0500K** |
| 60mm | **-0600K** |
| 70mm | **-0700K** |
| 80mm | **-0800K** |
| 100mm | **-1000K** |
| 150mm | **-1500K** |
| 200mm | **-2000K** |

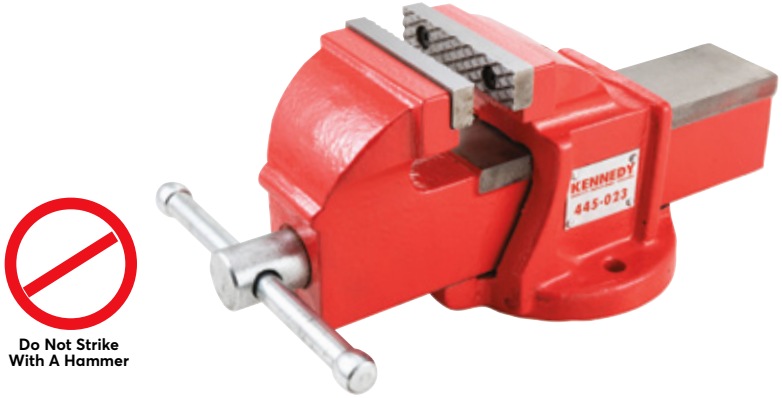
**26-Piece Letter Sets A - Z**

Stencils manufactured from hard-wearing quality steel with precision cut letters for a clean sharp image. Suitable for use with all paints and marking compounds for marking packing cases with shipping details, loading/work bay walls for identification, car park spaces and countless other applications.

| Character Height | Order Code KEN-561 |
|---|---|
| 40mm | **-2400K** |
| 50mm | **-2500K** |
| 60mm | **-2600K** |
| 70mm | **-2700K** |
| 80mm | **-2800K** |
| 100mm | **-3100K** |
| 150mm | **-3150K** |
| 200mm | **-3200K** |

## KENNEDY Engineer's Vice

Manufactured from the highest quality castings with precision cut screw mechanisms and precision machined jaws. Suitable for workshop, automotive and engineering use.






Do Not Strike With A Hammer

**Replacement Jaws (Pairs)**

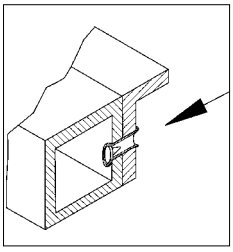
| Engineers Vice Size (Pair) | Height (mm) | Order Code KEN-567 |
|---|---|---|
| To suit 75mm jaw width | 16 | **-3630K** |
| To suit 100mm jaw width | 20 | **-3640K** |
| To suit 125mm jaw width | 21 | **-3650K** |
| To suit 150mm jaw width | 21 | **-3660K** |
| To suit 200mm jaw width | 28 | **-3680K** |

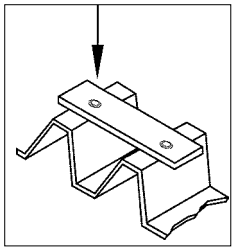
# RIVETING TOOLS

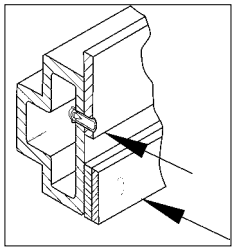
## KENNEDY® Industrial Lazy Tong Riveter

The powerful one-handed compression action and all steel construction make this ideal for rapid, repetitive riveting applications. The contoured handle provides a comfortable grip for the user and reduces fatigue. In-handle storage of different nozzle sizes ensures rapid nozzle changing when required.

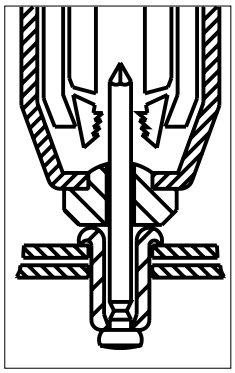
**Length closed:** 300mm. **Extended:** 825mm.

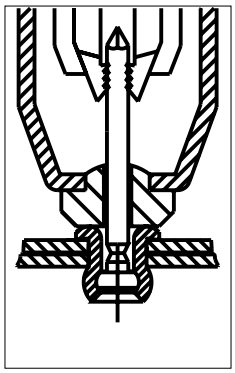


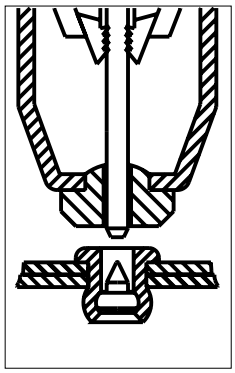




Group 644







### Lazy Tong Riveter

| Nozzles Supplied | Order Code KEN-569 |
|---|---|
| 3.2, 4, 4.8. 6.0 & 6.4mm | -3030K |

**NEW**

### Replacement Jaws

| Contents | Order Code KEN-569 |
|---|---|
| Set of 3 | -9130K |

### Replacement Nozzles

| Contents | Order Code KEN-569 |
|---|---|
| 2.4mm | -8510K |
| 3.2mm | -8520K |
| 4.0mm | -8530K |
| 4.8mm | -8540K |
| 6.0mm | -8550K |

## KENNEDY® Long Arm Riveting Tool

Heavy duty industrial grade riveter for use with aluminium, steel and stainless steel rivets. Unique mechanism reduces operator effort by 40%. Ergonomically designed PVC shock-proof handle to eliminate operator fatigue. Easy and effortless to use with its long arm design. Quick change nozzles are stored in the stem catcher.

Complete with 5 nozzles for rivet sizes:
2.4mm (3/32"),
3.2mm (1/8"),
4.0mm(5/32"),
4.8mm (3/16"),
6.4mm (1/4")

### Long Arm Riveting Tool

| Nozzles Supplied | Order Code KEN-569 |
|---|---|
| 2.4, 3.2, 4.0, 4.8 & 6.4mm | -2060K |

## KENNEDY Heavy Duty Riveter

Steel construction with unique mechanism that reduces operator effort by 40%. Ergonomically designed PVC handle for extra comfort and grip. Quick change nozzles are stored in the handle. One handed operation.

**Complete with 4 nozzles for rivet sizes:**
2.4mm (3/32"), 3.2mm (1/8"),
4.0mm(5/32"), 4.8mm (3/16")

**Quick change nozzles stored in the handle**

| Nozzles Supplied (mm) | Order Code KEN-569 |
|---|---|
| 2.4, 3.2, 4.0, 4.8 | **-2040K** |

## KENNEDY Rivet Nut Inserter

Heavy duty industrial grade rivet nut inserter for use with M3-M2 aluminium, steel and stainless steel rivet nuts. Unique mechanism reduces operator effort by 40%. Ergonomically designed PVC shock-proof handle to eliminate operator fatigue. Easy and effortless to use with its long arm design.

Complete with 7 mandrel kits - M3, M4, M5, M6, M8, M10 & M12 and wrench.

Group 644

| Mandrel Size | Order Code KEN-569 |
|---|---|
| Rivet nut inserter set (as above) | **-2080K** |
| M3 | **-1803K** |
| M4 | **-1804K** |
| M5 | **-1805K** |
| M6 | **-1806K** |
| M8 | **-1808K** |
| M10 | **-1810K** |
| M12 | **-1812K** |

# PRO TORQ SCREWDRIVERS

KENNEDY

## Pro-Torq Screwdrivers

Chrome vanadium steel blades with magnetic tips.
Fitted with a unique dual grip triangular handle which has been designed for improved user comfort, allowing more torque to be applied.
With convenient hanging hole in the handle for storage.

### Crosspoint

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| No.0 | 75mm | -5110K |
| No.1 | 75mm | -5120K |
| No.1 | 250mm | -4490K |
| No.2 | Stubby | -5180K |
| No.2 | 100mm | -5140K |
| No.2 | 250mm | -4500K |
| No.3 | 150mm | -5150K |
| No.4 | 200mm | -5160K |

### PZ/Supadriv

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| No.2 | Stubby | -5280K |
| No.0 | 75mm | -5290K |
| No.1 | 75mm | -5300K |
| No.1 | 250mm | -5360K |
| No.2 | 100mm | -5310K |
| No.2 | 250mm | -5370K |
| No.3 | 150mm | -5320K |
| No.4 | 200mm | -5340K |

### Parallel Tip

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| 3.0mm | 100mm | -5650K |
| 3.2mm | 150mm | -5660K |
| 4.0mm | 300mm | -5400K |
| 5.5mm | 75mm | -5710K |
| 5.5mm | 100mm | -5720K |
| 5.5mm | 150mm | -5730K |
| 5.5mm | 200mm | -5740K |
| 5.5mm | 250mm | -5750K |
| 5.5mm | 260mm | -5404K |

### Flared Tip, Round Blade

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| 3.2mm | 75mm | -5425K |
| 6.5mm | Stubby | -5420K |
| 6.5mm | 100mm | -5430K |
| 6.5mm | 150mm | -5440K |
| 8.0mm | 200mm | -5450K |
| 10.0mm | 250mm | -5460K |

### Flared Tip, Square Blade

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| 6.5mm | 100mm | -5500K |
| 6.5mm | 150mm | -5510K |
| 8.0mm | 200mm | -5520K |
| 10.0mm | 250mm | -5530K |
| 10.0mm | 300mm | -5550K |

### TX

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| T6 | 75mm | -5260K |
| T7 | 75mm | -5262K |
| T8 | 75mm | -5264K |
| T9 | 75mm | -5266K |
| T10 | 100mm | -5268K |
| T15 | 100mm | -5270K |
| T20 | 100mm | -5272K |
| T25 | 100mm | -5274K |
| T30 | 100mm | -5276K |

# PRO TORQ SCREWDRIVERS



| Pro-Torq Sets | | Crosspoint | | | | Parallel | | | | | Flared | | | | | Pozidrive | | | Torx |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No.1 Tip | No.2 Tip | | No.3 Tip | 5.5mm Tip | | | | | 6.5mm Tip | | | 8mm Tip | 10mm Tip | No.1 Tip | No.2 Tip | No.3 Tip | T6/T7/T8/ T9/T10/ T15/ T20/ T25/ T30 |
| Order Code | Pieces | 75mm | Stubby | 100mm | 150mm | 75mm | 100mm | 150mm | 200mm | 250mm | Stubby | 100mm | 150mm | 200mm | 250mm | 75mm | 100mm | 150mm | |
| KEN-572-5975K | 6 | | | | | | • | | • | | | | • | | • | • | • | | |
| KEN-572-5990K | 8 | • | | • | • | | • | | • | | | | • | | • | | • | | |
| KEN-572-6000K | 8 | • | | • | • | | • | | • | | | | • | | • | | • | | |
| KEN-572-6010K | 8 | • | | • | | • | | • | | | • | • | | | • | | • | | |
| KEN-572-6050K | 9 | | | | | | | | | | | | | | | | | | • |
| KEN-572-6020K | 12 | | • | • | • | | • | | • | • | • | | • | | • | • | • | • | |
| KEN-572-6030K | 12 | • | • | • | • | • | | • | | • | • | | • | • | | | • | • | |
| KEN-572-6040K | 12 | • | • | • | | • | • | • | • | • | • | • | • | • | • | | | | |

6 PIECES

Order Code
**KEN-572**
**-5970K**

8 PIECES

Order Code
**KEN-572**
**-6010K**

11 PIECES

Order Code
**KEN-572**
**-6020K**

6 PIECES

Order Code
**KEN-572**
**-5975K**

8 PIECES

Order Code
**KEN-572**
**-6000K**

12 PIECES

Order Code
**KEN-572**
**-6030K**

8 PIECES

Order Code
**KEN-572**
**-5990K**

9 PIECES

Order Code
**KEN-572**
**-6050K**

12 PIECES

Order Code
**KEN-572**
**-6040K**

# HI-GRIP SCREWDRIVERS



KENNEDY

## 'Hi-Grip' Screwdrivers

Designed for maximum grip under load application. The red moulded cushion grip gives optimum operator comfort. Ideal for assembly work. Tough alloy steel blades with satin finish. Magnetic tips, hardened and ground to prolong tool life.
**DIN ISO 2380/8764.**

*Flat blades have hexagon bolster to allow higher torque to be applied via a spanner.

### TX

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| T6 | 75mm | -6060K |
| T7 | 75mm | -6070K |
| T8 | 75mm | -6080K |
| T9 | 75mm | -6090K |
| T10 | 75mm | -6100K |
| T15 | 100mm | -6150K |
| T20 | 100mm | -6200K |
| T25 | 100mm | -6250K |
| T30 | 100mm | -6300K |

### Crosspoint

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| No.0 | 75mm | -0000K |
| No.1 | 75mm | -0010K |
| No.2 | 100mm | -0020K |
| No.3 | 150mm | -0030K |
| No.2 | Stubby | -0120K |

### PZ/Supadriv

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| No.1 | 75mm | -0210K |
| No.2 | 100mm | -0220K |
| No.3 | 150mm | -0230K |

### Flared Tip, Round Blade

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| 6.5mm | Stubby | -0320K |
| 6.5mm | 100mm | -0340K |
| 6.5mm | 150mm | -0360K |
| 8.0mm | 200mm | -0380K |
| 10.0mm | 250mm | -0400K |

KENNEDY

## 'Hi-Grip' Pound Thru' Screwdrivers

Through blade screwdriver with chrome vanadium steel blades and striking heads, suitable for striking with a hammer to free up seized screws. Fully hardened magnetic tips. Comfortable moulded grip. Hexagon blades. **DIN ISO 2380/8764.**

### Crosspoint

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| No.1 | 75mm | -3610K |
| No.2 | 100mm | -3620K |
| No.3 | 150mm | -3630K |

### Flared Tip

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| 6mm | 100mm | -3510K |
| 6mm | 150mm | -3520K |
| 8mm | 200mm | -3540K |
| 9.5mm | 250mm | -3560K |

| Hi Grip Sets | | Crosspoint | | | | Flared | | | | | | | Pozidrive | | | Torx |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No.1 Tip | No.2 Tip | | No.3 Tip | 6mm Tip | 6.5mm Tip | | | 8mm Tip | 9.5mm Tip | 10mm Tip | No.1 Tip | No.2 Tip | No.3 Tip | T6/T7/T8/T9/T10/ T15/ T20/ T25/ T27/ T30/T40 |
| Order Code | Pieces | 75mm | Stubby | 100mm | 150mm | 100mm | Stubby | 100mm | 150mm | 200mm | 250mm | 250mm | 75mm | 100mm | 150mm | |
| KEN-572-9870K | 8 | • | • | • | • | | • | • | • | | | • | | | | |
| KEN-572-6450K | 11 | | | | | | | | | | | | | | | • |
| KEN-572-0490K | 11 | • | • | • | • | | • | • | • | • | | • | • | • | • | |
| Pound Thru | | | | | | | | | | | | | | | | |
| KEN-572-3700K | 7 | • | | • | • | • | | | • | • | • | | | | | |

8 PIECES

Order Code KEN-572
-9870K

11 PIECES

Order Code KEN-572
-0490K

11 PIECES

Order Code KEN-572
-6450K

7 PIECES

Order Code KEN-572
-3700K

# STANDARD ENGINEER'S SCREWDRIVERS



## KENNEDY® Engineer's & Electrician's Screwdrivers

With a traditional 'fluted' design handle. High quality steel blades with satin finish. Magnetic tips, hardened and ground to prolong tool life. This range offers the widest choice of blade selection and blade length. The high impact plastic handles are acid and oil resistant.
A comprehensive selection to meet the demands of modern industry.
**DIN ISO 2380/8764.**

### Parallel Tip

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| 3.0mm | 50 | -4520K |
| 3.0mm | 75 | -4530K |
| 3.0mm | 100 | -4540K |
| 3.0mm | 150 | -4560K |
| 5.5mm | 75 | -5030K |
| 5.5mm | 100 | -5040K |
| 5.5mm | 150 | -5060K |
| 5.5mm | 200 | -5080K |
| 5.5mm | 250 | -5100K |

### Crosspoint

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| No.0 | 75 | -1000K |
| No.1 | 75 | -1010K |
| No.2 | 100 | -1020K |
| No.3 | 150 | -1030K |
| No.4 | 200 | -1040K |
| No.1 | Stubby | -1210K |
| No.2 | Stubby | -1220K |

### Flared Tip, Round Blade

| Tip Size (mm) | Blade Length | Order Code KEN-572 |
|---|---|---|
| 6.5mm | Stubby | -3020K |
| 6.5mm | 100 | -3040K |
| 6.5mm | 150 | -3060K |
| 8.0mm | 200 | -3080K |
| 10.0mm | 250 | -3100K |
| 10.0mm | 300 | -3120K |

### PZ/Supadriv

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| No.0 | 75 | -2000K |
| No.1 | 75 | -2010K |
| No.1 | 250 | -2510K |
| No.2 | 100 | -2020K |
| No.2 | 250 | -2520K |
| No.3 | 150 | -2030K |
| No.3 | 250 | -2530K |
| No.4 | 200 | -2040K |
| No.1 | Stubby | -2210K |
| No.2 | Stubby | -2220K |

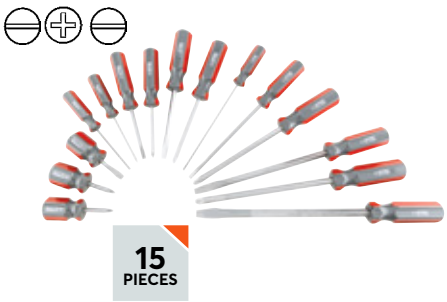
### Flared Tip, Square Blade

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| 6.5mm | 100 | -4040K |
| 6.5mm | 150 | -4060K |
| 8.0mm | 200 | -4080K |
| 10.0mm | 250 | -4100K |

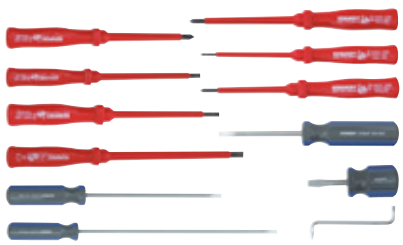
| Engineer's Sets | | Crosspoint | | | | | | | Parallel | | | | | Flared | | | | | Pozidrive | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No.0 Tip | No.1 Tip | | No.2 Tip | | No.3 Tip | No.4 Tip | 3mm Tip | | | 5.5mm Tip | | 6.5mm Tip | | | 8mm Tip | 10mm Tip | No.1 Tip | | No.2 Tip | | No.3 Tip |
| Order Code | Pieces | 75mm | Stubby | 75mm | Stubby | 100mm | 150mm | 200mm | 75mm | 100mm | 150mm | 75mm | 150mm | Stubby | 100mm | 150mm | 200mm | 250mm | Stubby | 75mm | Stubby | 100mm | 150mm |
| KEN-572-9900K | 11 | | | | | | | | | • | | | • | • | • | • | | • | • | • | • | • | • |
| KEN-572-5940K | 12 | • | • | • | • | • | • | • | • | | • | | | • | • | | • | | | | | | |
| KEN-572-9920K | 15 | • | • | • | • | • | • | • | • | | • | • | • | • | • | | • | • | | | | | |

Order Code KEN-572
-9900K

Order Code KEN-572
-5940K




Order Code KEN-572
-9920K




Order Code KEN-572
-5920K

## KENNEDY® Combined & Fluted Handle Screwdriver Set

Seven 'volt-tested' screwdrivers plus five non-insulated engineers' and electricians' screwdrivers. Supplied in clear plastic wallet.

| Combined & Fluted Handle Set | | Crosspoint INSULATED | | | | Parallel INSULATED | | | | Parallel NON INSULATED | | | Flared NON INSULATED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No.0 Tip | No.1 Tip | | No.2 Tip | 2.5mm Tip | 4mm Tip | 5.5mm Tip | 6.5mm Tip | 4.8mm Tip | | | 6.3mm Tip |
| Order Code | Pieces | 75mm | 100mm | 1/4" | 100mm | 85mm | 100mm | 125mm | 150mm | 75mm | 150mm | 250mm | Stubby |
| KEN-572-5920K | 12 | • | • | • | • | • | • | • | • | • | • | • | • |

# TRI-LINE SCREWDRIVERS



## YAMOTO Tri-Line™ Screwdriver

Ergonomically designed handles which are dual material and three-sided for improved torque and reduced fatigue. Chrome vanadium steel blades with magnetic tips and a hanging hole in the handle.

### Crosspoint

| Tip Size | Blade Length | Order Code YMT-572 |
|---|---|---|
| No.1 | 75mm | -3420K |
| No.1 | 100mm | -3440K |
| No.1 | 150mm | -3460K |
| No.1 | 200mm | -3480K |
| No.2 | 100mm | -3500K |
| No.2 | 150mm | -3520K |
| No.2 | 200mm | -3540K |
| No.2 | 250mm | -3560K |
| No.2 | 300mm | -3580K |

### Parallel Tip

| Tip Size | Blade Length | Order Code YMT-572 |
|---|---|---|
| 3.0mm | 75mm | -2600K |
| 5.0mm | 150mm | -2620K |
| 5.0mm | 200mm | -2640K |
| 5.0mm | 250mm | -2660K |
| 6.0mm | 200mm | -2700K |

### PZ/Supadriv

| Tip Size | Blade Length | Order Code YMT-572 |
|---|---|---|
| No.2 | 100mm | -3600K |
| No.2 | 200mm | -3620K |

### Flared Tip

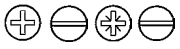
| Tip Size | Blade Length | Order Code YMT-572 |
|---|---|---|
| 6.0mm | 150mm | -2800K |
| 6.0mm | 200mm | -2820K |
| 6.0mm | 250mm | -2840K |
| 6.0mm | 300mm | -2860K |
| 6.0mm | Stubby | -2740K |
| 8.0mm | 150mm | -2880K |
| 8.0mm | 200mm | -2900K |
| 8.0mm | 250mm | -2920K |
| 8.0mm | 300mm | -2940K |
| 10.0mm | 250mm | -2960K |

| Tri-Line Sets | | Crosspoint | | Parallel | | Flared | | | Pozidrive |
|---|---|---|---|---|---|---|---|---|---|
| | | No.1 Tip | No.2 Tip | 3mm Tip | 5mm Tip | 6mm Tip | | 8mm Tip | No.2 Tip |
| Order Code | Pieces | 75mm | 100mm | 75mm | 150mm | Stubby | 150mm | 200mm | 100mm |
| YMT-572-2060K | 6 | • | • | • | • | | • | • | |
| YMT-572-2080K | 8 | • | • | • | • | • | • | • | • |

6 PIECES

Order Code YMT-572

-2060K



8 PIECES

Order Code YMT-572

-2080K

# DUAL GRIP SCREWDRIVER SETS



## Dual Grip Screwdriver Sets

Comfort rubber grip handles with chrome vanadium, chrome-plated blades and magnetic tips.

Rubber Handle

Acrylic Handles

| Dual Grip Sets | | Crosspoint | | | | Parallel | | | | | Flared | | | | | Pozidrive | | | Handle Type | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No.1 Tip | No.2 Tip | | No.3 Tip | 3mm Tip | 4mm Tip | 5mm Tip | | | 6mm Tip | | | 8mm Tip | 9.5mm Tip | No.1 Tip | No.2 Tip | No.3 Tip | Rubber | Acrylic |
| Order Code | Pieces | 75mm | Stubby | 100mm | 150mm | 75mm | 100mm | 150mm | 200mm | 250mm | Stubby | 100mm | 150mm | 200mm | 300mm | 75mm | 100mm | 150mm | | |
| SEN-572-9890K | 8 | • | • | • | | • | • | | | | • | • | | • | | | | | | • |
| SEN-572-9100K | 10 | | • | • | • | • | | • | | • | • | | | • | | | • | • | • | |
| SEN-572-9150K | 15 | • | • | • | • | • | | • | • | • | • | | • | • | • | • | • | • | • | |

Order Code
**SEN-572**
**-9890K**

Order Code
**SEN-572**
**-9100K**

Order Code
**SEN-572**
**-9150K**

# INSULATED SCREWDRIVER SETS



| Insulated Sets | | Crosspoint | | | | | | | Parallel | | | | | | | | | | Pozidrive | | Accessories | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No.0 Tip | | | No.1 Tip | | No.2 Tip | | 2.5mm Tip | | | 3mm Tip | 3.5mm Tip | 4mm Tip | 5.5mm Tip | | 6.5mm Tip | | No.1 Tip | No.2 Tip | Insulated Handle | Swivel Cap |
| Order Code | Pieces | 60mm | 75mm | 100mm | 80mm | 100mm | 100mm | 125mm | 75mm | 85mm | 100mm | 100mm | 100mm | 100mm | 100mm | 125mm | 100mm | 150mm | 100mm | 125mm | | |
| KEN-572-8000K | 7 | • | | | • | | • | | • | | | | | • | | • | | • | | | | |
| KEN-572-5900K | 7 | | • | | | • | • | | | • | | | | • | | • | | • | | | | |
| KEN-572-5870K | 10 | | | • | | • | • | | | | • | • | | • | • | | • | | | | • | • |

## KENNEDY 1000V Dual Grip VDE Screwdrivers

A fully insulated VDE screwdriver tested up to 1000V. Professional high grip handles, Mágnesesic tips, chrome vanadium steel blades.

### Crosspoint

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| No.0 | 60mm | -7900K |
| No.1 | 80mm | -7910K |
| No.2 | 100mm | -7920K |

### Parallel Tip

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| 2.5mm | 75mm | -7940K |
| 4.0mm | 100mm | -7950K |
| 5.5mm | 125mm | -7960K |
| 6.5mm | 150mm | -7970K |

Order Code KEN-572: **-8000K**

## KENNEDY Electrician's VDE Square Section Handle Screwdrivers

Volt-tested to ensure safety on or near electrical equipment up to 1000V AC or 1500V DC. Insulated blades with magnetic tips. Conform with **DIN 7438** and **DIN EN 60900**.

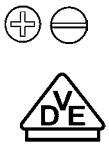
### Parallel Tip

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| 2.5mm | 85mm | -5760K |
| 4.0mm | 100mm | -5780K |
| 5.5mm | 125mm | -5790K |

Order Code KEN-572: **-5900K**

## KENNEDY Insulated Interchangeable Screwdriver Set

Ergonomic insulated full size handle, swivel cap and eight interchangeable drivers supplied in a compact protective pouch with belt loop. 2-in-1 design, use the detachable swivel cap for fast (low torque) driving, or use the full size detachable ergonomic handle for higher torque fastening. Safe up to 1000V AC/1500V DC.




Order Code KEN-572: **-5870K**

# PRO-TORQ PRECISION SCREWDRIVERS



## KENNEDY Pro-Torq Precision Screwdrivers

Expert quality, hardened and tempered chrome alloy steel blades with black oxide tips. Fitted with a unique dual grip handle with revolving top designed for added user comfort whilst allowing more torque to be applied.

### Crosspoint

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| No.0-3 | 40 | -4430K |
| No.0-2 | 40 | -4390K |
| No.0-12 | 75 | -4420K |
| No.0-0 | 40 | -4380K |
| No.0 | 75 | -4400K |
| No.1 | 100 | -4410K |

### Parallel Tip

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| 1.4mm | 40 | -4300K |
| 2.0mm | 40 | -4310K |
| 2.4mm | 40 | -4320K |
| 3.0mm | 40 | -4330K |
| 2.4mm | 75 | -4340K |
| 3.0mm | 75 | -4350K |
| 4.0mm | 100 | -4360K |

### TX

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| T6 | 40 | -6470K |
| T8 | 40 | -6472K |
| T9 | 50 | -6474K |
| T10 | 50 | -6476K |
| T15 | 60 | -6478K |
| T20 | 60 | -6480K |

| Pro-Torq Sets | | Crosspoint | | | | | Parallel | | | | | | | Torx | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No.0.3 Tip | No.0.2 Tip | | No.0 Tip | No.1 Tip | 1.4mm Tip | 2mm Tip | 2.4mm Tip | | 3mm Tip | | 4mm Tip | T6 Tip | T8 Tip | T9 Tip | T10 Tip | T15 Tip | T20 Tip |
| Order Code | Pieces | 40mm | 40mm | 75mm | 75mm | 100mm | 40mm | 40mm | 40mm | 75mm | 40mm | 75mm | 100mm | 40mm | 40mm | 50mm | 50mm | 60mm | 60mm |
| KEN-572-6490K | 6 | | | | | | | | | | | | | • | • | • | • | • | • |
| KEN-572-4450K | 7 | • | • | | • | | • | • | • | | • | | | | | | | | |
| KEN-572-4470K | 9 | • | | • | • | • | • | • | | • | | • | • | | | | | | |

6 PIECES

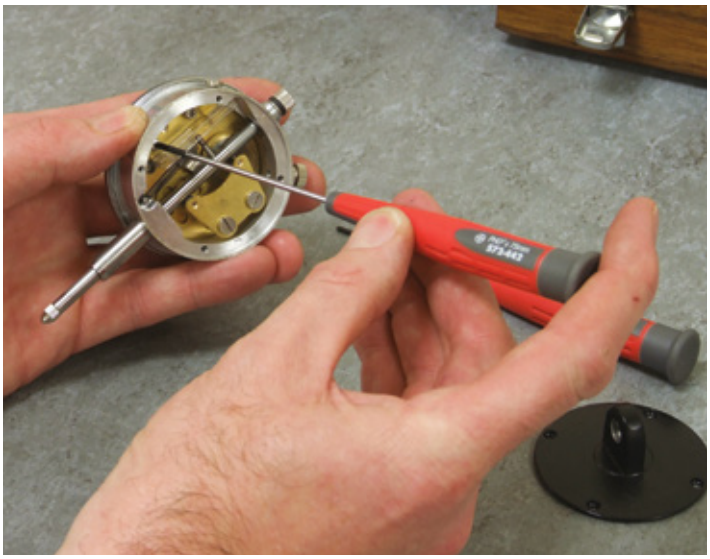
Order Code KEN-572
-6490K

7 PIECES

Order Code KEN-572
-4450K

9 PIECES

Order Code KEN-572
-4470K



# PRECISION SCREWDRIVERS



## KENNEDY® Precision Screwdrivers

Have nickel chrome molybdenum steel blades, hardened and tempered. Chrome plated, with swivel tops which resist oil şi acid. Supplied in Plastic cases. Ideal for jewellers şi watchmakers.

### Crosspoint

| Tip Size (mm) | Order Code KEN-572 |
|---|---|
| PH0.4 | -9200K |
| PH0.3 | -9210K |
| PH0.2 | -9220K |
| PH0 | -9230K |

### Parallel

| Tip Size (mm) | Order Code KEN-572 |
|---|---|
| 1.0 | -9100K |
| 1.2 | -9110K |
| 1.4 | -9120K |
| 1.8 | -9130K |
| 2.0 | -9140K |
| 2.4 | -9150K |
| 3.0 | -9160K |
| 3.8 | -9170K |

### Magnet

| Type | Order Code KEN-572 |
|---|---|
| Magnet | -9320K |

### Awl

| Type | Weight each | Order Code KEN-572 |
|---|---|---|
| Awl | 15g | -9300K |

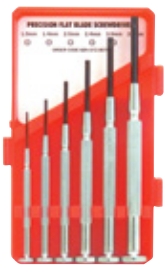
| Precision Sets | | Crosspoint | | | | | | Parallel | | | | | | | | Hex | | | | | | | | | Pozidrive | Torx | Other | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Order Code KEN-572 | Pieces | No. 0.4 Tip | No. 0.3 Tip | No. 0.2 Tip | No. 0 Tip | No. 1 Tip | No. 1.2 Tip | 1 mm Tip | 1.2 mm Tip | 1.4 mm Tip | 1.8 mm Tip | 2 mm Tip | 2.4 mm Tip | 3 mm Tip | 3.8 mm Tip | 0.9 mm Tip | 1.3 mm Tip | 1.5 mm Tip | 2 mm Tip | 2.5 mm Tip | 3 mm Tip | 3.5 mm Tip | 4 mm Tip | 4.5 mm Tip | 5 mm Tip | No.0 Tip | T20 | Awl Tip | Tweezer Tip | Magnet Tip |
| 9886K | 5 | | | | | | | | | | | | | | | • | • | • | • | • | | | | | | | | | |
| 9888K | 5 | | | | | | | | | | | | | | | | | | | | • | • | • | • | • | | | | |
| 9070K | 6 | | | | | | | • | | • | | • | • | • | • | | | | | | | | | | | | | | |
| 9080K | 6 | • | • | • | • | • | • | | | | | | | | | | | | | | | | | | | | | | |
| 9090K | 6 | | | | • | • | | | | • | | • | • | • | | | | | | | | | | | | | | | |
| 9040K | 11 | | | • | • | • | | • | • | • | • | | • | • | | | | | | | | | | | | | • | • | |
| 9050K | 11 | • | • | • | • | • | | • | • | • | • | | • | • | | | | | | | | | | | | | | | |
| 9060K | 11 | | | • | • | • | | • | • | • | • | | • | • | | | | | | | | | | | | | • | | • |

5 PIECES

Order Code KEN-572
-9886K

5 PIECES

Order Code KEN-572
-9888K

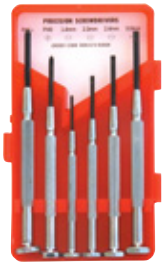


6 PIECES

Order Code KEN-572
-9070K

6 PIECES

Order Code KEN-572
-9080K



6 PIECES

Order Code KEN-572
-9090K

11 PIECES

Order Code KEN-572
-9040K

11 PIECES

Order Code KEN-572
-9050K

11 PIECES

Order Code KEN-572
-9060K

## KENNEDY Offset Double-Ended Screwdrivers

Ideal for restricted areas.

| Size | Order Code KEN-572 |
|---|---|
| No.1 x 3/16" | -4210K |
| No.2 x 1/4" | -4220K |
| No.3 x 5/16" | -4230K |
| 3-Piece Set | -4250K |

## KENNEDY Heavy Duty Magnetic Driver

Square section mechanic's pattern handle. Suitable for use with 1/4" hexagon driver bits etc. Hexagonal blade also allows the application of a spanner for high torque.

| Order Code KEN-573 |
|---|
| -7070K |

| Rachet & Bit Sets | | Crosspoint | | | Parallel | | | | | | | | | Pozidrive | | | Hex | | Torx | | Square | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Order Code | Pieces | No.1 Tip | No.2 Tip | No.3 Tip | 3mm Tip | 4mm Tip | 5mm Tip | 5.5mm Tip | 6mm Tip | 6.5mm Tip | 7mm Tip | 3/16" Tip | 1/4" Tip | No.1 Tip | No.2 Tip | No.3 Tip | 4mm Tip | 6mm Tip | T15 | T20 | No.1 Tip | No.2 Tip |
| KEN-572-8160K | 4 | • | • | | | | | • | | | • | | | | | | | | | | | |
| KEN573-7040K | 6 | • | • | | | | • | | • | | | | | • | • | | | | | | | |
| KEN573-7060K | 6 | • | • | | | | • | | • | | | | | • | • | | | | | | | |
| KEN573-7050K | 10 | • | • | • | • | • | • | • | | | | | | • | • | • | | | | | | |

## KENNEDY Spiral Ratchet Screwdrivers

Polished chrome plated body. 3-way ratchet. Quick release chuck, with swivel grip.
Lacquered wooden handles. Chrome vanadium steel bits. Supplied with No.1 and No.2 crosspoint and 5.5mm and 7.0mm flared screwdriver bits.

### Ratchet Screwdriver

4 PIECES

| Order Code KEN-572 |
|---|
| -8160K |

### 6-in-1 Handles

Switchable forward, reverse and fixed positive action.

**Ratchet**

6 PIECES

| Overall Length | Order Code KEN-573 |
|---|---|
| 200mm | -7040K |

### 6-in-1 Handles

Chrome vanadium steel blade with plastic sheaving.

**Fixed**

6 PIECES

| Overall Length | Order Code KEN-573 |
|---|---|
| 200mm | -7060K |

### Magnetic Screwdriver Bit Set

11 piece 1/4" hexagon bits. Chrome vanadium steel blade with moulded dual grip handle. Switchable forward, reverse and fixed positive.

11 PIECES

| Overall Length | Order Code KEN-573 |
|---|---|
| 200mm | -7050K |

## KENNEDY Mini Screwdrivers

Extra light-duty screwdrivers.

### Parallel

| Tip Size | Blade Length | Order Code KEN-572 |
|---|---|---|
| 3.0mm | 65mm | -5220K |

| Mini & Reversible Screwdriver Sets | | Crosspoint | | Parallel | | |
|---|---|---|---|---|---|---|
| | | No.0 Tip | No.2 Tip | 3mm Tip | | 6mm Tip |
| Order Code | Pieces | 65mm | 145mm | 65mm | 100mm | 145mm |
| KEN573-7400K | 2+1 | | • | | | • |

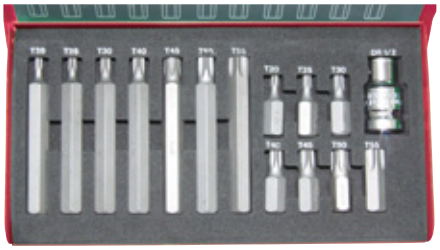
### Reversible Blade Screwdriver

| Order Code KEN-573 |
|---|
| -7400K |

# SCREWDRIVER BITS

## KENNEDY® 10mm AF Hex Drive Torx Bit Set

**Contents:** ½" Sq. drive x 10mm Hex. bit holder.
TORX 10 x 75mm: T20, T25, T30, T40, T45, T50 and T55.
TORX 10 x 30mm: T20, T25, T30, T40, T45, T50 and T55.
Torx is a registered trade mark of Camcar/Textron Inc.



15 PIECES

| No. of Pieces | Order Code KEN-573 |
|---|---|
| 15 | -5210Y |

## KENNEDY® 10mm Hexagon Power Bit Set

**Contents:**
⅜" and ½" Square x 10mm Hex Bit Adaptors.
**75mm x 10mm**
**Hex bits:**
Hexagon: 4, 5, 6, 7, 8, 10 and 12mm. TX: Tx20, Tx25, Tx30, Tx40, Tx45, Tx50 and Tx55. Spline: 5, 6, 8, 10 and 12mm.

**30mm x 10mm**
**Hex bits:**
Hexagon: 4 -8, 10 and 12mm. TX: Tx20, Tx25, Tx30, Tx40, Tx45, Tx50 and Tx55.
Spline: 5, 6, 8, 10 şi 12mm.

40 PIECES

| Case Type | Order Code KEN-573 |
|---|---|
| Moulded | -6490K |

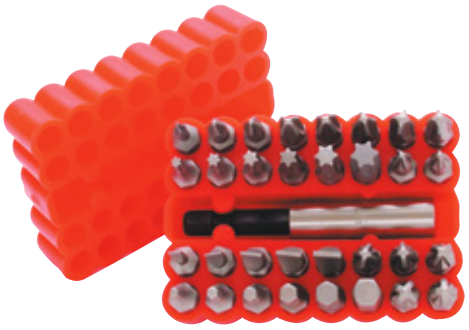
## KENNEDY® 1/4in. Hex Drive Torsion Quick Magnetic Bit Holder

For use with the Torsion Bit Set (573-646)
- Ball recess ensures a positive fit with bits
- One hand operation allows for a quick change of accessories
- Manufactured from chrome vanadium steel for optimum durability

| Overall Length | Order Code KEN-573 |
|---|---|
| 60mm | -5329C |

## KENNEDY® Screwdriver Bit Set

**Contents:**
Hex: 2, 2.5, 3, 4, 5 and 6mm.
PZ: No.1 x2, No.2 x3, No.3 x2.
TX: TX10, TX15, TX20 TX25, TX30, TX40.
Crosspoint: No.0, No.1 x2, No.2 x3, No.3 x2.
Flat: 3, 4, 5, 6 and 6.5mm.
¼" magnetic drive adaptor.



| No. of Pieces | Order Code KEN-573 |
|---|---|
| 33 | -5212A |

### Single Nut Setters

| Size (mm) | Order Code KEN-573 |
|---|---|
| 7 x 65 | -5346W |
| 8 x 65 | -5347X |
| 10 x 65 | -5348Y |
| 13 x 65 | -5351B |
| 14 x 65 | -8934K |

## KENNEDY® Torsion Bits ¼" Hex Drive

Manufactured from chrome vanadium for greater impact resistance and a longer lasting bit. Colour coded to aid speedier recognition.

### Crosspoint

25mm

50mm

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.1 | 25 | -5250R |
| No.2 | 25 | -5251S |
| No.3 | 25 | -5252T |
| No.2 | 50 | -5253V |
| No.3 | 50 | -5254W |

### Slot

25mm

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 0.8 x 4.0 | 25 | -5255X |
| 0.6 x 4.5 | 25 | -5256Y |
| 1.0 x 5.5 | 25 | -5257Z |
| 1.2 x 6.5 | 25 | -5258A |

### PZ Torsion

25mm

50mm

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.1 | 25 | -5259B |
| No.2 | 25 | -5260C |
| No.3 | 25 | -5261D |
| No.1 | 50 | -5262E |
| No.2 | 50 | -5263F |
| No.3 | 50 | -5264G |

### Square Torsion

25mm

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.1 | 25 | -5265H |
| No.2 | 25 | -5266J |
| No.3 | 25 | -5267K |

### TX Torsion

25mm

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| TX10 | 25 | -5268L |
| TX15 | 25 | -8272K |
| TX20 | 25 | -5270N |
| TX25 | 25 | -5271P |
| TX30 | 25 | -5272Q |
| TX40 | 25 | -5273R |

### Hexagon

25mm

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 2.5 | 25 | -5274S |
| 3.0 | 25 | -5275T |
| 4.0 | 25 | -5276V |
| 5.0 | 25 | -5277W |
| 6.0 | 25 | -5278X |

## KENNEDY® Master Screwdriver Bit Set

NEW

¼" hex x 25mm insert bits. Manufactured from chrome molybdenum. Bit holder made from chrome vanadium hardened steel, tempered and chrome plated. Uniquely packaged in a moulded plastic case for easy organisation and storage.

**Crosspoint:** No.0, No.1, No.2R, No.2, No.3, No.4.
**Pozidrive®:** No.0, No.1, No.2, No.3, No.4.
**Square:** 0, 1, 2, 3, 4.
**Torx®:** T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40, T45, T50.
**Clutch:** 5/32, 3/16, ¼.
**Hex:** 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8, 10.
**Slotted:** 3, 3.5, 4.5 5, 5.5, 6.5.
**Crosspoint ACR II:** No.1, No.2R, No.2, No.3.
**Pozidriv® ACR:** No.1, No.2, No.3.
**Spline:** 4, 5, 6, 8.

**Torq®Set:** 4, 5, 8, 10, ¼".
**Spanner:** 4, 6, 8, 10, 12.
**Torx® Tamper Resistant:** T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40.
**Hex Tamper Resistant:** 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 7, 8.
**Tri-Wing:** No.1, No.2, No.3, No.4, No.5.
¼" square drive x ¼" hex magnetic bit holder - 25mm.
¼" hex x ¼" hex magnetic bit holder - 60mm.
¼" hex x ¼" square drive socket adaptor - 25mm.
¼" hex x ¼" square drive socket adaptor - 50mm.
"Y" Adaptor for cup hook or screw eye.

**Dimensions (H x W x D):** 123 x 177 x 35mm.

100 PIECES

| Case Type | Order Code KEN-573 |
|---|---|
| Moulded | -5211Z |

## KENNEDY® Impact Driver Sets

Industrial quality impact driver with switchable forward and reverse screwdriver rotation. When the impact resistant handle is struck with a hammer the downward force is converted by the impact driver's internal mechanism into a powerful high torque screwdriver rotation action. Ideal for ensuring fasteners are securely tightened and for freeing stuck fasteners.
Hex drive nose pieces can be removed to allow use with ½" square drive impact sockets.

**14 Piece Set**
To suit 5/16" hex, 3/8" and ½" square drives.
**Complete with:**
**Crosspoint:** No.1, 2, 3 and 4.
**Flat Bits:** 6, 8, 10 and 12mm.
**Hex Bits:** 4, 5, 6 and 8mm.

14 PIECES

| Case Type | Order Code KEN-573 |
|---|---|
| Moulded | -7100K |

**40 Piece Impact Driver Set**
½" square to 5/16" hexagon bit adaptor
½" square to 3/8" hexagon bit adaptor.
**80mm x 3/8" Hexagon bits, Hexagon**: 8mm, 6mm. **TX**: Tx40, Tx45, Tx50, **Crosspoint**: No.2, No.3, **Slotted**: 8mm and 10mm. **35mm x 3/8" Hexagon bits, Hexagon**: 4mm, 5mm, 6mm, 7mm, 8mm. **TX**: Tx20, Tx25, Tx30, Tx40, Tx45, Tx50.
**Crosspoint**: No.1, 2, 3 & 4.
**Slotted**: 5mm, 6mm, 8mm, 10mm, 12mm.
**30mm x 5/16" Hexagon bits, Hexagon**: 10mm, 12mm, **TX**: Tx55. **Spline**: 5mm, 6mm, 8mm, 10mm, and 12mm.

40 Pieces

| Case Type | Order Code KEN-573 |
|---|---|
| Moulded | -7140K |

**5 Piece Set**
To suit 5/16" hex and ½" square drives.
**Complete with:**
**Crosspoint:** No.2 and 3.
**Flat Bits:** 8 and 10mm.

5 PIECES

| Order Code KEN-573 |
|---|
| -7080K |

## KENNEDY® 1/4in. Square Drive Magnetic Hexagon Nut Setters, Metric

- Quick change design makes it easy to switch accessories
- magnetic nature allows them to have a positive lock with your tool and the fastener
- For use on hexagon headed screws, bolts and nuts for versatility
- Compatible with impact drills and drivers
- Available in a variety of metric sizes
- Overall length: 65mm

| Tip Size | Order Code KEN-573 |
|---|---|
| 6mm | -5345V |
| 11mm | -5349Z |
| 12mm | -5350A |

# SCREWDRIVER BITS

## KENNEDY® Screwdriver Bits

All Kennedy® screwdriver bits have a hardness of 58 - 62HRC. S2 alloy steel with phosphate finish. For use with hand and power tools.

25mm overall length

38mm overall length

32mm overall length

50mm overall length

150mm overall length

## ¼" Hex Drive Bits

### Flat

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 1/8" | 25 | -5039M |
| 9/64" | 25 | -5040N |
| 5/32" | 25 | -5041P |
| 11/64" | 25 | -5042Q |
| 3/16" | 25 | -5043R |
| 7/32" | 25 | -5044S |
| 15/64" | 25 | -5045T |
| 1/4" | 25 | -5046V |
| 8.0 | 25 | -5047W |
| 3/8" | 25 | -5048X |
| 1/8" | 38 | -5061L |
| 9/64" | 38 | -5062M |
| 5/32" | 38 | -5063N |
| 11/64" | 38 | -5064P |
| 3/16" | 38 | -5065Q |
| 7/32" | 38 | -5066R |
| 15/64" | 38 | -5067S |
| 1/4" | 38 | -5068T |
| 5/16" | 38 | -5069V |
| 5/16" | 70 | -5094X |
| 5.0 | 150 | -5024W |
| 6.0 | 150 | -5026Y |

### PZ

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.0 | 25 | -5012H |
| No.1 | 25 | -5013J |
| No.1 | 38 | -5030C |
| No.1 | 50 | -5056F |
| No.2 | 25 | -5014K |
| No.2 | 50 | -5057G |
| No.3 | 25 | -5017N |
| No.3 | 38 | -5032E |
| No.3 | 50 | -5060K |
| No.4 | 25 | -5019Q |

### Crosspoint

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.0 | 25 | -5005A |
| No.1 | 25 | -5006B |
| No.1 | 50 | -5053C |
| No.1 | 150 | -5020R |
| No.2 | 25 | -5007C |
| No.2R | 25 | -5008D |
| No.2 | 50 | -5054D |
| No.2 | 150 | -5021S |
| No.3 | 25 | -5010F |
| No.3 | 150 | -5022T |
| No.4 | 25 | -5011G |
| No.4 | 32 | -5023V |

## ¼" Hexagon Drive Cup Hook Driver Bit

A hollowed out 'Y' shaped driver bit designed for the driving in of cup hooks.

**Overall length:** 25mm.

| Overall Length | Order Code KEN-573 |
|---|---|
| 25mm | -5213B |

## ¼" Hex Contractor Packs

The most popular style driver bits, multi-packed for economy. Supplied in plastic pocket cases that are ideal for the industrial user.

**Insert Bits:** plain shank for use with bit adaptors etc.

**Direct Bits:** ball recessed for use in power tools.

### No.2 PZ

| Bit Style | Length mm | Pk Qty | Order Code KEN-573 |
|---|---|---|---|
| Insert | 25 | 10 | -5015L |
| Insert | 50 | 5 | -5059J |

### No.2 Crosspoint

| Bit Style | Length mm | Pk Qty | Order Code KEN-573 |
|---|---|---|---|
| Insert | 25 | 10 | -5009E |

### TX

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| | ¼" Hex Bits | |
| TX5 | 25 | -5148F |
| TX6 | 25 | -5149G |
| TX7 | 25 | -5150H |
| TX8 | 25 | -5151J |
| TX9 | 25 | -5152K |
| TX10 | 25 | -5153L |
| TX15 | 25 | -5154M |
| TX20 | 25 | -5155N |
| TX25 | 25 | -5157Q |
| TX27 | 25 | -5159S |
| TX30 | 25 | -5160T |
| TX40 | 25 | -5162W |
| TX45 | 25 | -5164Y |
| TX50 | 25 | -5165Z |

### Tamperproof TXS

For repair and servicing on electronic, electrical and mechanical equipment.

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| TX8 | 25 | -5176L |
| TX9 | 25 | -5177M |
| TX10 | 25 | -5178N |
| TX15 | 25 | -5179P |
| TX20 | 25 | -5180Q |
| TX25 | 25 | -5181R |
| TX30 | 25 | -5183T |
| TX40 | 25 | -5184V |

### Hexagon

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 3/32" | 25 | -5120A |
| 1/8" | 25 | -5121B |
| 5/32" | 25 | -5122C |
| 3/16" | 25 | -5123D |
| 1/4" | 25 | -5124E |
| 7/32" | 25 | -5125F |
| 5/16" | 25 | -5126G |
| 1.5 | 25 | -5127H |
| 2.0 | 25 | -5128J |
| 2.5 | 25 | -5129K |
| 3.0 | 25 | -5130L |
| 4.0 | 25 | -5132N |
| 5.0 | 25 | -5134Q |
| 5.5 | 25 | -5136S |
| 6.0 | 25 | -5137T |
| 7.0 | 25 | -5138V |
| 8.0 | 25 | -5139W |
| 7.0 | 25 | -5138V |
| 10.0 | 25 | -5140X |

### Ball Point Hexagon

| Hex Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 1.5 | 25 | -5141Y |
| 2.0 | 25 | -5142Z |
| 2.5 | 25 | -5143A |
| 3.0 | 25 | -5144B |
| 4.0 | 25 | -5145C |
| 5.0 | 25 | -5146D |
| 6.0 | 25 | -5147E |

### Tamperproof Hex

| Hex Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 1.5 | 25 | -5318Q |
| 2.0 | 25 | -5319R |
| 2.5 | 25 | -5320S |
| 3.0 | 25 | -5321T |
| 4.0 | 25 | -5322V |
| 5.0 | 25 | -5323W |
| 5.5 | 25 | -5324X |
| 6.0 | 25 | -5325Y |
| 7.0 | 25 | -5326Z |
| 8.0 | 25 | -5327A |

## KENNEDY ¼" Hex Bits

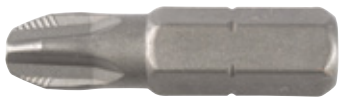
**ACR® Ribbed Cosspoint System**
Anti-Cam-out Recess. Keeps the bit securely mated to the screw during removal, reducing damage to the recess and surrounding areas. This ensures securely removal every time with lower costs, more productivity and less drill outs. Also allows off-angle driving and acts as torque limit on installation. Preferred system for aerospace and military industries.

### Phillips ACR®

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.1 | 25 | -5311H |
| No.2 | 25 | -5312J |
| No.3 | 25 | -5313K |

**ACR® II Ribbed Cosspoint System**
Anti-Cam-out Recess. Designed to meet the ever-challenging needs of faster assembly processes that can cause bit cam-out, creating component surface damage and scrappage. Allows off-angle driving in difficult positions and reduces end-load pressure, reducing operator fatigue. Improves assembly times, reducing defects and rework, also makes disassembly easier for more effective service and maintenance. Preferred system for automotive, electronics and general assembly industries.

### Phillips ACR® II



| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.1 | 25 | -5307D |
| No.2R* | 25 | -5308E |
| No.2 | 25 | -5309F |
| No.3 | 25 | -5310G |

### Pozi ACR® II

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.1 | 25 | -5304A |
| No.2 | 25 | -5305B |
| No.3 | 25 | -5306C |

### Tri-Wing

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.1 | 25 | -5114T |
| No.2 | 25 | -5115V |
| No.3 | 25 | -5116W |
| No.4 | 25 | -5117X |

### SIT®

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.10 | 25 | -5299V |
| No.20 | 25 | -5300W |
| No.25 | 25 | -5301X |
| No.30 | 25 | -5302Y |
| No.40 | 25 | -5303Z |

### Square

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 0 | 25 | -5279Y |
| 1 | 25 | -5280Z |
| 2 | 25 | -5281A |
| 3 | 25 | -5282B |
| 4 | 25 | -5283C |

### Spline

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 4 | 25 | -5284D |
| 5 | 25 | -5285E |
| 6 | 25 | -5286F |
| 8 | 25 | -5287G |
| 10 | 25 | -5288H |

### Spanner

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.4 | 25 | -5314L |
| No.6 | 25 | -5315M |
| No.8 | 25 | -5316N |
| No.10 | 25 | -5317P |

### Torq®

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.4 | 25 | -5292M |
| No.5 | 25 | -5293N |
| No.6 | 25 | -5294P |
| No.8 | 25 | -5295Q |
| No.10 | 25 | -5297S |

## 5/16" Hex Bits

### Crosspoint

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.1 | 32mm | -5101E |
| No.2 | 32mm | -5102F |
| No.3 | 32mm | -5103G |
| No.4 | 32mm | -5104H |

### PZ

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.2 | 32mm | -5106K |
| No.3 | 32mm | -5107L |
| No.4 | 32mm | -5108M |

### Flat

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 5/16" | 41mm | -5110P |
| 3/8" | 41mm | -5111Q |
| 1/2" | 41mm | -5112R |
| 9/16" | 41mm | -5113S |

### TX

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| TX30 | 35mm | -5186X |
| TX40 | 35mm | -5187Y |
| TX45 | 35mm | -5188Z |
| TX50 | 35mm | -5189A |
| TX55 | 35mm | -5190B |

## Double-Ended ¼" Hex Bits

All with overall length 60mm (2⅜").

### Crosspoint

| Tip Width x Size | Order Code KEN-573 |
|---|---|
| No.1 x No.2 | -5197J |
| No.2 x No.3 | -5198K |
| No.2 x No.2 | -5201N |

### PZ

| Tip Width x Size | Order Code KEN-573 |
|---|---|
| No.1 x No.2 | -5199L |
| No.2 x No.3 | -5200M |
| No.2 x No.2 | -5202P |

## 10mm Hex Drive Bits

### TX

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| TX20 | 30 | -5331E |
| TX20 | 75 | -5338M |
| TX25 | 30 | -5332F |
| TX25 | 75 | -5339N |
| TX30 | 30 | -5333G |
| TX30 | 75 | -5340P |
| TX40 | 30 | -5334H |
| TX40 | 75 | -5341Q |
| TX45 | 30 | -5335J |
| TX45 | 75 | -5342R |
| TX50 | 30 | -5336K |
| TX50 | 75 | -5343S |
| TX55 | 30 | -5337L |
| TX75 | 75 | -5344T |

### Hexagon

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 4 | 30 | -8800K |
| 5 | 30 | -8802K |
| 6 | 30 | -8804K |
| 7 | 30 | -8806K |
| 8 | 30 | -8808K |
| 10 | 30 | -8810K |
| 12 | 30 | -8812K |
| 4 | 75 | -8820K |
| 5 | 75 | -8822K |
| 6 | 75 | -8824K |
| 7 | 75 | -8826K |
| 8 | 75 | -8828K |
| 10 | 75 | -8830K |
| 12 | 75 | -8832K |

### Spline

| Tip Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 5 | 30 | -8880K |
| 6 | 30 | -8882K |
| 8 | 30 | -8884K |
| 10 | 30 | -8886K |
| 12 | 30 | -8888K |
| 5 | 75 | -8900K |
| 6 | 75 | -8902K |
| 8 | 75 | -8904K |
| 10 | 75 | -8906K |
| 12 | 75 | -8908K |

# SCREWDRIVER BITS



## KENNEDY® TiN Coated Screwdriver Bits

TiN coated bits improve wear resistance. For use with hand and power tools.

### ¼" Hex Bits - Flat

| Point Size | Length (mm) | Order Code KEN-573 |
|---|---|---|
| 5.0 | 25 | -5222L |
| 6.0 | 25 | -5223M |

### ¼" Hex Bits - Crosspoint

| Point Size | Length (mm) | Order Code KEN-573 |
|---|---|---|
| No.1 | 25 | -5214C |
| No.2 | 25 | -5215D |

### ¼" Hex Bits - PZ

| Point Size | Length (mm) | Order Code KEN-573 |
|---|---|---|
| No.1 | 25 | -5217F |
| No.1 | 50 | -5225P |
| No.2 | 25 | -5218G |
| No.2 | 50 | -5226Q |
| No.2 | 150 | -5220J |
| No.3 | 25 | -5219H |
| No.3 | 50 | -5227R |

**Full Drive**

| Point Size | Length (mm) | Order Code KEN-573 |
|---|---|---|
| No.1 | 50 | -5229T |
| No. 2 | 50 | -5230V |

### ¼" Hex Bits - Hex

| Point Size | Length (mm) | Order Code KEN-573 |
|---|---|---|
| 2.5 | 25 | -5233Y |
| 3.0 | 25 | -5234Z |
| 4.0 | 25 | -5235A |
| 5.0 | 25 | -5236B |
| 8.0 | 25 | -5238D |

### ¼" Hex Bits - TX

| Point Size | Length (mm) | Order Code KEN-573 |
|---|---|---|
| TX10 | 25 | -5239E |
| TX15 | 25 | -5240F |
| TX20 | 25 | -5241G |
| TX25 | 25 | -5242H |
| TX30 | 25 | -5243J |
| TX40 | 25 | -5244K |

### ¼" Direct Drive Bits - Crosspoint

| Point Size | Length (mm) | Order Code KEN-573 |
|---|---|---|
| No.2 | 50 | -5224N |

**Full Drive**

| Point Size | Length (mm) | Order Code KEN-573 |
|---|---|---|
| No.2 | 50 | -5228S |

### ¼" Powerbit - PZ

| Point Size | Length (mm) | Order Code KEN-573 |
|---|---|---|
| No.2 | 70 | -5231W |
| No.2 | 90 | -5232X |

### 5/16" Hex Bits - Crosspoint

| Point Size | Length (mm) | Order Code KEN-573 |
|---|---|---|
| No.3 | 30 | -5245L |
| No.4 | 30 | -5246M |

### 5/16" Hex Bits - PZ

| Point Size | Length (mm) | Order Code KEN-573 |
|---|---|---|
| No.2 | 30 | -5247N |
| No.3 | 30 | -5248P |
| No.4 | 30 | -5249Q |

## Desoutter Shank Bits

5/16" hex. with Desoutter style ball locator.

**PZ**

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.2 | 53 | -5118Y |
| No.3 | 53 | -5119Z |

**Socket Adaptor**

¼" hex. drive.

| Square Drive | Length (mm) | Order Code KEN-573 |
|---|---|---|
| ¼" | 25 | -5208W |
| ¼" | 50 | -5209X |

**Socket Driver Adaptor**

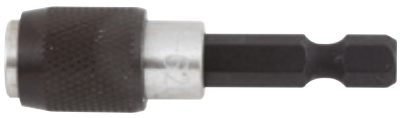
¼" Hexagon drive bit adaptor socket.

| Square Drive | Length (mm) | Order Code KEN-573 |
|---|---|---|
| ¼" | 25 | -5328B |

## Direct Drive Adaptors for Power Tools

¼" hexagon shank with ball recess. For use with insert bits.

**Quick Release with Retainer**



| Socket Hex | Length (mm) | Order Code KEN-573 |
|---|---|---|
| ¼" | 60 | -5207V |

**Magnetic with Retainer**

| Socket Hex | Length (mm) | Order Code KEN-573 |
|---|---|---|
| ¼" | 75 | -5205S |

**Magnetic**

| Socket Hex | Length (mm) | Order Code KEN-573 |
|---|---|---|
| ¼" | 60 | -5203Q |

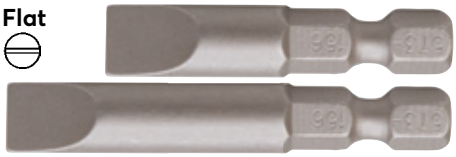
## Direct Drive Bits for Power Tools

¼" Hex with ball recess.

**TX**

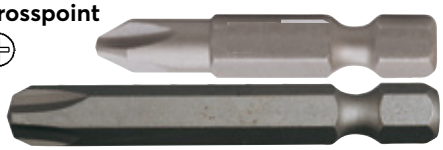
| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| TX7 | 38 | -5166A |
| TX8 | 38 | -5167B |
| TX9 | 38 | -5168C |
| TX10 | 38 | -5169D |
| TX15 | 38 | -5170E |
| TX20 | 38 | -5171F |
| TX25 | 38 | -5172G |
| TX27 | 38 | -5173H |
| TX30 | 38 | -5174J |
| TX40 | 38 | -5175K |

**Flat**



| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 4.0 | 70 | -5091T |
| 4.0 | 90 | -5096Z |
| 4.5 | 38 | -5049Y |
| 5.0 | 38 | -5050Z |
| 5.0 | 50 | -5087P |
| 5.0 | 70 | -5092V |
| 5.0 | 90 | -5097A |
| 6.0 | 38 | -5051A |
| 6.0 | 50 | -5088Q |
| 6.0 | 70 | -5093W |
| 6.0 | 90 | -5098B |
| 8.0 | 38 | -5052B |
| 8.0 | 50 | -5089R |
| 8.0 | 90 | -5099C |
| 10.0 | 50 | -5090S |
| 10.0 | 70 | -5095Y |
| 10.0 | 90 | -5100D |

**Crosspoint**



| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.0 | 50 | -5070W |
| No.1 | 38 | -5027Z |
| No.1 | 50 | -5071X |
| No.1 | 70 | -5033F |
| No.1 | 100 | -5036J |
| No.2 | 38 | -5028A |
| No.2 | 50 | -5072Y |
| No.2 | 70 | -5034G |
| No.2 | 100 | -5037K |
| No.3 | 38 | -5029B |
| No.3 | 50 | -5074A |
| No.3 | 70 | -5035H |
| No.3 | 100 | -5038L |
| No.4 | 50 | -5075B |

**PZ**

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| No.1 | 50 | -5076C |
| No.1 | 70 | -5080G |
| No.1 | 90 | -5083K |
| No.2 | 38 | -5031D |
| No.2 | 50 | -5077D |
| No.2 | 70 | -5081H |
| No.2 | 90 | -5084L |
| No.3 | 50 | -5079F |
| No.3 | 70 | -5082J |
| No.3 | 90 | -5085M |

## KENNEDY® ¼" Hex Drive Clutch Bits

- Length: 25mm
- Hardness of 58-62HRC
- Suitable to use with hand and power tools

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 5/32" | 25 | **-5289J** |
| 3/16" | 25 | **-5290K** |
| ¼" | 25 | **-5291L** |

## KENNEDY® ¼" Double-Ended Hex Bits - Crosspoint x Slotted

Crosspoint x Slotted
- Length: 60mm
- Hardness of 58-62HRC
- Suitable to use with hand and power tools

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 4.5mm | 60 | **-5191C** |
| 5.5mm | 60 | **-5192D** |
| 7.0mm | 60 | **-5193E** |

## KENNEDY® ¼" Double-Ended Hex Bits - Slotted x PZ

Slotted x PZ
- Length: 60mm
- Hardness of 58-62HRC
- Suitable to use with hand and power tools

| Point Size | Overall Length | Order Code KEN-573 |
|---|---|---|
| 4.5mm | 60 | **-5194F** |
| 5.5mm | 60 | **-5195G** |
| 7.0mm | 60 | **-5196H** |


# PRECISION POWER FOR EVERY JOB

Do not compromise. Choose Kobe for unparalleled performance and reliability. Your projects deserve nothing less than the best.

Ready to take your work to the next level? Discover the Kobe difference today and experience excellence at your fingertips!

**Power. Precision. Perfection.**

KOBE™

# SAFETY TOOLS

## KENNEDY Spark-Resistant Safety Tools

Spark-resistant tools are used to eliminate the chances of accidental fires or explosions in potentially combustible or explosive environments. They resist the sparks that a standard tool could potentially create when striking hard surfaces. The use of spark resistant tools is essential in many industrial applications such as petroleum and chemical manufacturing, spray booth operations, the marine industry, the mining industry, the paper industries, or any location where flammable vapours or combustible residues are present. **Spark-resistant tools must be maintained with special care. Frequent cleaning/re-dressing to remove ferrous particles or contaminants, which may impair the spark-resistant properties, is essential.**

**Safe for use in high risk hazardous locations, Ideal for chemical, pharmaceutical, power, oil and gas and fire rescue.**

For gases, vapours and mists the zone classifications are:

**Zone 0** (Be-Cu) An atmosphere where a mixture of air and flammable substances in the form of gas, vapour or mist is present frequently, continuously or for long periods.

**Zone 1** (Be-Cu Al-Br) An atmosphere where a mixture of air and flammable substances in the form of gas, vapour or mist is likely to occur in normal operation occasionally.

**Zone 2** (Be-Cu Al-Br) An atmosphere where a mixture of air and flammable substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for only a short period.

For dusts the zone classifications are:

**Zone 20** (Be-Cu) An atmosphere where a cloud of combustible dust in the air is present frequently, continuously or for long periods.

**Zone 21** (Be-Cu Al-Br) An atmosphere where a cloud of combustible dust in the air is likely to occur in normal operation occasionally.

**Zone 22** (Be-Cu Al-Br) An atmosphere where a cloud of combustible dust in the air is not likely to occur in normal operation but, if it does occur, will persist for only a short period.

**Al-Br** **Aluminium Bronze** are manufactured to 20-30HRC and offer a breaking strain of **782 N/m - 989 N/m.**

**Be-Cu** **Beryllium Copper** are manufactured to 30-40HRC and offer a breaking strain of **1117 N/m - 1236 N/m.**

### Linesman Pliers

**Al-Br**

Serrated jaws for gripping nuts, bolts, studs etc. with side cutter and slip guard safety handles.

**Aluminium Bronze**

| Overall Length | Order Code KEN-575 |
|---|---|
| 150mm (6") | -3800K |
| 180mm (7") | -3810K |
| 200mm (8") | -3820K |
| 255mm (10") | -3825K |

**Beryllium Copper** **Be-Cu**

| Overall Length | Order Code KEN-575 |
|---|---|
| 150mm (6") | -3420K |
| 180mm (7") | -3440K |

### Groove Joint Pliers

**Al-Br**

Serrated jaws with sliding pivot joint.

**Aluminium Bronze**

| Overall Length | Maximum Capacity | Order Code KEN-575 |
|---|---|---|
| 150mm | 25mm | -3895K |
| 250mm | 45mm | -3900K |
| 300mm | 55mm | -3902K |
| 350mm | 55mm | -3904K |

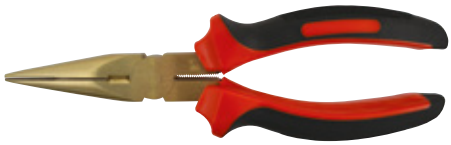
**Beryllium Copper** **Be-Cu**

| Overall Length | Maximum Capacity | Order Code KEN-575 |
|---|---|---|
| 250mm | 45mm | -3890K |

### Long Nose Pliers

**Al-Br**

With side cutter, serrated jaws and safety grips.



**Aluminium Bronze**

| Overall Length | Order Code KEN-575 |
|---|---|
| 200mm (8") | -3880K |

**Beryllium Copper** **Be-Cu**

| Overall Length | Order Code KEN-575 |
|---|---|
| 200mm (8") | -3870K |

### Diagonal Cutting Nippers

**Al-Br**

Offset at a slight angle to allow close cuts to a flat surface.

**Aluminium Bronze**

| Overall Length | Order Code KEN-575 |
|---|---|
| 150mm (6") | -3850K |
| 200mm (8") | -3860K |

**Beryllium Copper** **Be-Cu**

| Overall Length | Order Code KEN-575 |
|---|---|
| 200mm (8") | -3840K |

### Adjustable Combination Pliers

Serrated teeth with sliding pivot joint.

**Aluminium Bronze** **Al-Br**

| Overall Length | Order Code KEN-575 |
|---|---|
| 150mm (6") | -3935K |

### Spark Resistant Swedish Type Adjustable Wrenchs

**Al-Br**

**Aluminium Bronze**

| Head Angle | Overall Length (mm) | Capacity (mm) | Order Code KEN-575 |
|---|---|---|---|
| Standard | 530 | 50 | -1200K |
| 90° | 430 | 38 | -1202K |

### Spark Resistant Chain Pipe Light Duty

**Al-Br**

**Aluminium Bronze**

| Type | Overall Length (mm) | Capacity (mm) | Order Code KEN-575 |
|---|---|---|---|
| Light Duty | 600 | 100 | -1210K |

## KENNEDY Open End Slogging Wrenches.

### Aluminium Bronze Al-Br

| Size (mm) | Overall Length | Order Code KEN-575 |
|---|---|---|
| 17 | 125mm | -6391K |
| 22 | 135mm | -6396K |
| 24 | 165mm | -6400K |
| 27 | 175mm | -6410K |
| 30 | 185mm | -6420K |
| 32 | 195mm | -6430K |
| 36 | 210mm | -6440K |
| 38 | 270mm | -6442K |
| 41 | 225mm | -6450K |
| 46 | 240mm | -6460K |
| 50 | 255mm | -6470K |
| 52 | 315mm | -5475K |
| 55 | 270mm | -6480K |
| 60 | 285mm | -6490K |
| 65 | 305mm | -6500K |
| 85 | 400mm | -6530K |
| 90 | 445mm | -6535K |
| 95 | 445mm | -6540K |
| 100 | 485mm | -6545K |
| 110 | 513mm | -6550K |
| 120 | 570mm | -6555K |
| 140 | 670mm | -6560K |
| 150 | 670mm | -6565K |

### Beryllium Copper Be-Cu

| Size (mm) | Overall Length | Order Code KEN-575 |
|---|---|---|
| 24 | 165mm | -6360K |
| 30 | 185mm | -6364K |
| 36 | 210mm | -6368K |
| 46 | 240mm | -6372K |
| 50 | 255mm | -6374K |
| 52 | 315mm | -6375K |
| 55 | 270mm | -6376K |
| 60 | 285mm | -6378K |

*Continued*

| Size (mm) | Overall Length | Order Code KEN-575 |
|---|---|---|
| 65 | 305mm | -6380K |
| 70 | 325mm | -6382K |
| 75 | 375mm | -6383K |
| 80 | 400mm | -6384K |
| 85 | 400mm | -6385K |
| 90 | 445mm | -6386K |
| 95 | 445mm | -6387K |

## KENNEDY Ring End Slogging Wrenches

### Aluminium Bronze Al-Br

| Size (mm) | Overall Length | Order Code KEN-575 |
|---|---|---|
| 17 | 145mm | -6592K |
| 19 | 145mm | -6594K |
| 22 | 155mm | -6596K |
| 24 | 140mm | -6600K |
| 27 | 150mm | -6610K |
| 30 | 165mm | -6620K |
| 32 | 180mm | -6630K |
| 34 | 200mm | -6635K |
| 36 | 210mm | -6640K |
| 38 | 215mm | -6645K |
| 41 | 225mm | -6650K |
| 46 | 245mm | -6660K |
| 50 | 255mm | -6670K |
| 55 | 265mm | -6680K |
| 60 | 275mm | -6690K |
| 65 | 290mm | -6700K |
| 70 | 300mm | -6710K |
| 75 | 315mm | -6720K |
| 80 | 342mm | -6725K |
| 85 | 355mm | -6730K |
| 90 | 380mm | -6732K |
| 100 | 410mm | -6736K |
| 105 | 420mm | -6738K |
| 110 | 445mm | -6740K |
| 120 | 480mm | -6742K |

*Continued*

| Size (mm) | Overall Length | Order Code KEN-575 |
|---|---|---|
| 130 | 510mm | -6744K |
| 140 | 520mm | -6746K |
| 150 | 565mm | -6748K |

### Beryllium Copper Be-Cu

| Size (mm) | Overall Length | Order Code KEN-575 |
|---|---|---|
| 19 | | -6982K |
| 22 | | -6984K |
| 24 | 140mm | -6800K |
| 30 | 165mm | -6820K |
| 34 | | -6986K |
| 38 | | -6988K |
| 50 | 255mm | -6860K |
| 55 | 265mm | -6870K |
| 60 | 275mm | -6880K |
| 65 | 290mm | -6890K |
| 70 | 330mm | -6990K |
| 75 | 335mm | -6992K |
| 80 | 365mm | -9750K |
| 85 | 365mm | -9752K |
| 90 | 400mm | -9754K |
| 95 | 400mm | -9756K |
| 100 | | -9760K |

## Single Open End Spanners

### Aluminium Bronze Al-Br

| Size (mm) | Overall Length | Order Code KEN-575 |
|---|---|---|
| 10 | 103mm | -5020K |
| 17 | 143mm | -5060K |
| 19 | 157mm | -5080K |
| 24 | 195mm | -5100K |
| 27 | 221mm | -5120K |
| 30 | 258mm | -5140K |
| 36 | 300mm | -5180K |

### Beryllium Copper

| Size (mm) | Overall Length | Order Code KEN-575 |
|---|---|---|
| 30 | 258mm | -4740K |

## KENNEDY Combination Spanners

### Aluminium Bronze Al-Br

| Size (mm) | Overall Length | Order Code KEN-575 |
|---|---|---|
| 6 | 105mm | -6012K |
| 7 | 120mm | -6014K |
| 8 | 125mm | -6020K |
| 9 | 135mm | -6030K |
| 10 | 138mm | -6040K |
| 11 | 141mm | -6060K |
| 12 | 146mm | -6080K |
| 13 | 156mm | -6100K |
| 14 | 168mm | -6120K |
| 15 | 176mm | -6140K |
| 16 | 185mm | -6160K |
| 17 | 197mm | -6180K |
| 18 | 205mm | -6200K |
| 19 | 216mm | -6220K |
| 20 | 230mm | -6230K |
| 21 | 235mm | -6240K |
| 22 | 248mm | -6260K |
| 23 | 265mm | -6270K |

| Size (mm) | Overall Length | Order Code KEN-575 |
|---|---|---|
| 24 | 268mm | -6280K |
| 25 | 265mm | -6285K |
| 26 | 290mm | -6290K |
| 27 | 288mm | -6300K |
| 30 | 320mm | -6315K |
| 32 | 330mm | -6320K |
| 34 | 360mm | -6330K |
| 35 | 360mm | -6335K |
| 36 | 345mm | -6340K |
| 38 | 430mm | -6342K |
| 41 | 430mm | -6345K |
| 46 | 480mm | -6348K |
| 50 | 520mm | -6350K |
| 55 | 560mm | -6353K |
| 60 | 595mm | -6356K |
| 65 | 595mm | -6357K |
| 70 | 630mm | -6358K |

### Beryllium Copper Be-Cu

| Size (mm) | Overall Length | Order Code KEN-575 |
|---|---|---|
| 8 | 125mm | -5620K |
| 9 | 135mm | -5630K |
| 10 | 138mm | -5640K |
| 11 | 141mm | -5660K |
| 12 | 146mm | -5680K |
| 13 | 156mm | -5700K |
| 14 | 168mm | -5720K |
| 15 | 176mm | -5740K |
| 16 | 185mm | -5760K |
| 17 | 197mm | -5780K |
| 18 | 205mm | -5800K |
| 19 | 216mm | -5820K |
| 20 | 230mm | -5830K |
| 21 | 235mm | -5840K |
| 22 | 248mm | -5860K |
| 23 | 265mm | -5870K |
| 24 | 268mm | -5880K |
| 25 | 265mm | -5885K |
| 26 | 290mm | -5890K |
| 27 | 288mm | -5900K |
| 30 | 320mm | -5910K |
| 32 | 330mm | -5920K |
| 34 | 360mm | -5925K |
| 35 | 360mm | -5930K |
| 36 | 345mm | -5940K |

## KENNEDY Spark Resistant Sockets

12 point
bi-hexagon.

Al-Br

**Aluminium Bronze**

| Size | Overall Length | Order Code KEN-575 |
|---|---|---|
| | **½" Drive** | |
| 8mm | 25mm | **-7180K** |
| 9mm | 25mm | **-7190K** |
| 10mm | 40mm | **-7220K** |
| 12mm | 40mm | **-7230K** |
| 13mm | 40mm | **-7240K** |
| 14mm | 40mm | **-7260K** |
| 15mm | 25mm | **-7265K** |
| 17mm | 40mm | **-7280K** |
| 19mm | 42mm | **-7300K** |
| 21mm | 43mm | **-7320K** |
| 24mm | 43mm | **-7340K** |
| 26mm | 35mm | **-7360K** |
| 27mm | 43mm | **-7380K** |
| 28mm | 40mm | **-7385K** |
| 29mm | 40mm | **-7390K** |
| 30mm | 46mm | **-7400K** |
| 32mm | 46mm | **-7420K** |
| | **¾" Drive** | |
| 19mm | 50mm | **-8200K** |
| 22mm | 40mm | **-8230K** |
| 23mm | 40mm | **-8235K** |
| 26mm | 55mm | **-8250K** |
| 27mm | 55mm | **-8260K** |
| 28mm | 40mm | **-8265K** |
| 29mm | 65mm | **-8270K** |
| 30mm | 60mm | **-8280K** |
| 34mm | 60mm | **-8320K** |
| 36mm | 60mm | **-8340K** |
| 41mm | 65mm | **-8380K** |
| 46mm | 65mm | **-8400K** |
| 50mm | 70mm | **-8420K** |

*Continued*

| Size | Overall Length | Order Code KEN-575 |
|---|---|---|
| | **1" Drive** | |
| 24mm | 50mm | **-8630K** |
| 26mm | 50mm | **-8640K** |
| 27mm | 50mm | **-8650K** |
| 28mm | 50mm | **-8660K** |
| 29mm | 55mm | **-8670K** |
| 31mm | 60mm | **-8690K** |
| 34mm | 50mm | **-8710K** |
| 36mm | 50mm | **-8720K** |
| 38mm | 55mm | **-8730K** |
| 46mm | 70mm | **-8750K** |
| 55mm | 80mm | **-8770K** |
| 60mm | 90mm | **-8780K** |
| 65mm | 90mm | **-8790K** |
| 70mm | 100mm | **-8800K** |
| 75mm | 95mm | **-8805K** |
| 80mm | 115mm | **-8810K** |

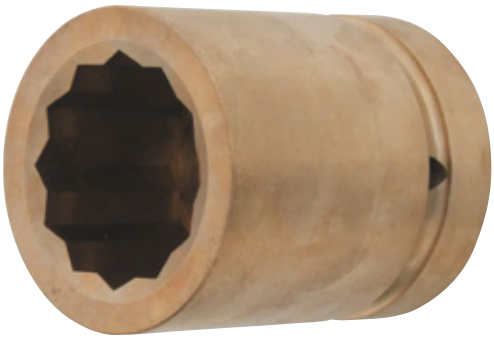
Be-Cu

**Beryllium Copper**

| Size | Overall Length | Order Code KEN-575 |
|---|---|---|
| 10 | 25mm | **-7430K** |
| 11 | 40mm | **-7431K** |
| 12 | 40mm | **-7432K** |
| 13 | 40mm | **-7433K** |
| 14 | 25mm | **-7434K** |
| 15 | 40mm | **-7435K** |
| 16 | 25mm | **-7436K** |
| 17 | 25mm | **-7437K** |
| 18 | 25mm | **-7438K** |
| 19 | 30mm | **-7439K** |
| 20 | 30mm | **-7440K** |
| 21 | 30mm | **-7441K** |
| 23 | 35mm | **-7443K** |
| 24 | 35mm | **-7444K** |
| 25 | 35mm | **-7445K** |
| 26 | 35mm | **-7446K** |
| 28 | 40mm | **-7448K** |
| 29 | 40mm | **-7449K** |
| 30 | 40mm | **-7450K** |
| 32 | 45mm | **-7452K** |

## KENNEDY Impact Sockets

12-point, for additional
torque grip.



Al-Br

**Aluminium Bronze**

| Size | Overall Length | Order Code KEN-575 |
|---|---|---|
| | **1" Drive** | |
| 24mm | 60mm | **-8820K** |
| 27mm | 60mm | **-8830K** |
| 29mm | 60mm | **-8840K** |
| 34mm | 70mm | **-8870K** |
| 35mm | 70mm | **-8880K** |
| 36mm | 70mm | **-8890K** |
| 38mm | 70mm | **-8900K** |

## KENNEDY Safety Extensions

Fitted with a spring-loaded ball bearing socket retainer.

**Aluminium Bronze** — Al-Br

| Square Drive | Overall Length | Order Code KEN-575 |
|---|---|---|
| ½" | 100mm | -7030K |
| ½" | 125mm | -7040K |
| ½" | 200mm | -7050K |
| ½" | 250mm | -7060K |
| ¾" | 200mm | -8040K |
| 1" | 200mm | -8612K |

## KENNEDY Sliding T-Handles

The sliding bar gives many options for leverage within a given space. Fitted with a spring-loaded ball bearing socket retainer.

**Aluminium Bronze** — Al-Br

| Square Drive | Overall Length | Order Code KEN-575 |
|---|---|---|
| ½" | 250mm | -7020K |
| ¾" | 360mm | -8048K |
| ¾" | 400mm | -8020K |
| 1" | 415mm | -8618K |

## KENNEDY ½" Sq. Drive T-Handle

**Inch - Beryllium Copper** — Al-Br

| Square Drive (Inch) | Overall Length (mm) | Order Code KEN-575 |
|---|---|---|
| ½" | 250 | -7025K |

## KENNEDY Universal Joint

Hinged through 180° in both directions for operation at varying angles. Fitted with a spring-loaded ball bearing socket retainer.

**Aluminium Bronze** — Al-Br

| Square Drive | Overall Length | Order Code KEN-575 |
|---|---|---|
| ½" | 50mm | -7120K |
| 1" | 130mm | -8615K |

**Beryllium Copper** — Be-Cu

| Square Drive | Overall Length | Order Code KEN-575 |
|---|---|---|
| ½" | 90mm | -7122K |

**Beryllium Copper** — Be-Cu

| Square Drive | Overall Length | Order Code KEN-575 |
|---|---|---|
| ½" | 100mm | -9250K |
| | 125mm | -9252K |
| | 200mm | -9254K |
| | 250mm | -9256K |

## KENNEDY ½" Square Drive Swivel Handle

The hinged link allows operation at varied angles to aid access in restricted areas. Fitted with a spring loaded ball bearing socket retainer.

**Aluminium Bronze** — Al-Br

| Overall Length | Order Code KEN-575 |
|---|---|
| 250mm | -7100K |

## KENNEDY Ratchet Handles

Disc type adjustment with knurled grip and spring loaded ball bearing socket retainer.

**Aluminium Bronze** — Al-Br

| Square Drive | Overall Length | Order Code KEN-575 |
|---|---|---|
| ½" | 245mm | -7000K |
| ¾" | 320mm | -8000K |
| 1" | 550mm | -8610K |

**Beryllium Copper** — Be-Cu

| Square Drive | Overall Length | Order Code KEN-575 |
|---|---|---|
| ½" | 245mm | -6960K |

## KENNEDY Marking Tool

Double-ended spark resistant marking tool.

**Aluminium Bronze** Al-Br

| Overall Length | Order Code KEN-575 |
|---|---|
| 190mm (7½") | -1800K |

## KENNEDY Chisel Cross

4-point spark resistant chisel with 20mm wide hexagon shaft.

**Aluminium Bronze** Al-Br

| Size | Overall Length | Order Code KEN-575 |
|---|---|---|
| 7mm | 200mm (8") | -2300K |

**Aluminium Bronze** Al-Br

| Size (mm) | Overall Length (mm) | Order Code KEN-575 |
|---|---|---|
| 14 | 160 | -2020K |
| 16 | 160 | -2040K |
| 18 | 200 | -2060K |
| 20 | 200 | -2080K |
| 20 | 300 | -2100K |
| 25 | 240 | -2120K |
| 25 | 300 | -2140K |
| 16 | 200 | -2205K |
| 18 | 160 | -2210K |
| 24 | 600 | -2220K |

**Beryllium Copper** Be-Cu

| Size (mm) | Overall Length (mm) | Order Code KEN-575 |
|---|---|---|
| 14 | 160 | -1860K |
| 16 | 160 | -1880K |
| 18 | 200 | -1900K |
| 20 | 200 | -1920K |
| 20 | 300 | -1940K |
| 25 | 240 | -1960K |

## KENNEDY Drift Punches

Tapered punch, used for the purpose of aligning holes between two structural members so that they can be fastened or bolted together

**Aluminium Bronze** Al-Br

| Size | Overall Length | Order Code KEN-575 |
|---|---|---|
| 3mm | 160mm (6") | -1600K |

**Beryllium Copper** Be-Cu

| Size | Overall Length | Order Code KEN-575 |
|---|---|---|
| 3mm | 160mm (6") | -1560K |

## KENNEDY Spark Resistant Scaling Hammer

**Aliminium Bronze**

German type.

**Al-Br**

| Head Weight (kg) | Overall Length (mm) | Order Code KEN-575 |
|---|---|---|
| 0.5 | 310mm | -3080K |
| 1 | 400mm | -3082K |
| 1.5 | 400mm | -3084K |
| 2 | 400mm | -3086K |
| 4 | 900mm | -3088K |

## KENNEDY Cylindrical Drifts

**Aluminium Bronze** Al-Br

| Tip Size | Overall Length (mm) | Shaft Width (mm) | Order Code KEN-575 |
|---|---|---|---|
| 3mm | 110mm | 9mm | -9700K |
| 4mm | 110mm | 10mm | -9701K |
| 6mm | 115mm | 12mm | -9702K |
| 8mm | 120mm | 14mm | -9703K |
| 10mm | 145mm | 16mm | -9704K |

## KENNEDY Ball Pein Hammers

For use with cold chisels, punches, rivets and for shaping metal. Fine grain hardwood shaft.

**Aluminium Bronze** Al-Br

| Head Weight | Overall Length (mm) | Order Code KEN-575 |
|---|---|---|
| ½lb | 280 | -3000K |
| ¾lb | 280 | -3010K |
| 1lb | 310 | -3020K |
| 1½lb | 340 | -3040K |
| 2lb | 350 | -3060K |
| 2½lb | 400 | -3065K |

**Beryllium Copper** Be-Cu

| Head Weight | Overall Length (mm) | Order Code KEN-575 |
|---|---|---|
| 1lb | 310 | -2920K |
| 1½lb | 340 | -2930K |
| 2lb | 350 | -2940K |

## KENNEDY Sledge Hammers

Spark-resistant sledge hammers with wooden handles.

**Aluminium Bronze** Al-Br

| Head Size | Length Capacity | Order Code KEN-575 |
|---|---|---|
| 0.45kg | 310mm (12") | -3190K |
| 1.0kg | 400mm (16") | -3200K |
| 2.0kg | 400mm (16") | -3230K |
| 2.5kg | 900mm (35") | -3240K |
| 3.0kg | 900mm (35") | -3260K |
| 8.0kg | 900mm (35") | -3300K |

**Beryllium Copper** Be-Cu

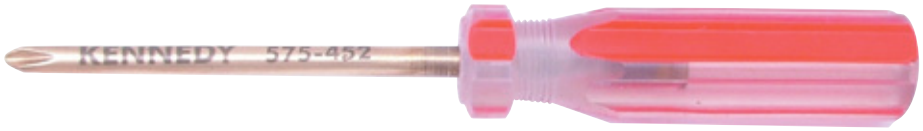
| Head Size | Length Capacity | Order Code KEN-575 |
|---|---|---|
| 0.45kg | 310mm (12") | -9062K |
| 1.0kg | 400mm (16") | -9064K |
| 2.0kg | 400mm (16") | -9068K |
| 2.5kg | 900mm (35") | -9070K |
| 5.0kg | 900mm (35") | -9074K |

## KENNEDY Hacksaw Frame

**Aluminium Bronze** Al-Br Be-Cu

| Overall Length (mm) | Blade Length (mm) | Order Code KEN-575 |
|---|---|---|
| **Aluminium Bronze** | | |
| 500 | 300 | **-0010K** |
| **Berylium Copper** | | |
| 500 | 300 | **-3690K** |

## KENNEDY Screwdrivers




**Aluminium Bronze**

| Tip Type | Size | Blade Length | Order Code KEN-575 |
|---|---|---|---|
| CROSSPOINT | No.0 | 110 | **-4515K** |
| | No.1 | 75 | **-4520K** |
| | No.2 | 100 | **-4540K** |
| | No.2 | 260 | **-4550K** |
| | No.3 | 150 | **-4560K** |
| | No.4 | 200 | **-4580K** |
| | No.4 | 300 | **-4590K** |
| POSIDRIVE | 3.0mm | 110 | **-4010K** |
| | 3.0mm | 110 | **-4012K** |
| | 4.0mm | 155 | **-4015K** |
| | 4.0mm | 180 | **-4016K** |
| | 4.5mm | 130 | **-4017K** |
| | 5.0mm | 180 | **-4019K** |
| | 6.0mm | 100 | **-4020K** |
| | 6.0mm | 150 | **-4040K** |
| | 7.0mm | 270 | **-4044K** |
| | 7.5mm | 200 | **-4060K** |
| | 8.0mm | 317 | **-4047K** |
| | 9.0mm | 250 | **-4080K** |
| | 9.0mm | 300 | **-4100K** |
| | 11.0mm | 517 | **-4105K** |
| | 12.0mm | 530 | **-4110K** |
| | 13.0mm | 570 | **-4115K** |

*Continued* Al-Br

| Tip Type | Size | Blade Length | Order Code KEN-575 |
|---|---|---|---|
| PARALLEL | No.0 | 135 | **-4600K** |
| | No.1 | 155 | **-4602K** |
| | No.2 | 195 | **-4604K** |
| | No.3 | 260 | **-4606K** |
| | No.4 | 330 | **-4608K** |

**Beryllium Copper** Be-Cu

| Tip Type | Size | Blade Length | Order Code KEN-575 |
|---|---|---|---|
| CROSSPOINT | No.1 | 75 | **-4420K** |
| | No.2 | 100 | **-4440K** |
| | No.2 | 210 | **-3683K** |
| | No.3 | 150 | **-4460K** |
| | No.4 | 200 | **-4480K** |
| PARALLEL | 3.0mm | 110 | **-3670K** |
| | 6.0mm | 100 | **-3960K** |
| | 6.0mm | 150 | **-3970K** |
| | 7.5mm | 200 | **-3980K** |
| | 8.0mm | 245 | **-3677K** |
| | 9.0mm | 250 | **-3990K** |
| | 9.0mm | 300 | **-4000K** |

## KENNEDY Hex Keys

**Aluminium Bronze - Metric** Al-Br

| Overall Length (mm) | Blade Length (mm) | Order Code KEN-575 |
|---|---|---|
| 1.5 | 59 | **-0160K** |
| 2 | 59 | **-0180K** |
| 3 | 59 | **-0200K** |
| 4 | 65 | **-0202K** |
| 5 | 79 | **-0204K** |
| 6 | 85 | **-0206K** |
| 7 | 88 | **-0208K** |
| 8 | 92 | **-0210K** |
| 10 | 110 | **-0214K** |
| 11 | 119 | **-0216K** |
| 12 | 130 | **-0218K** |
| 13 | 140 | **-0220K** |
| 14 | 150 | **-0222K** |
| 16 | 162 | **-0224K** |
| 17 | 168 | **-0226K** |
| 18 | 173 | **-0228K** |
| 19 | 177 | **-0230K** |
| 22 | 186 | **-0232K** |
| 24 | 192 | **-0236K** |
| 27 | 213 | **-0238K** |
| 32 | 266 | **-0240K** |
| 36 | 294 | **-0242K** |
| 41 | 320 | **-0244K** |

**Aluminium Bronze - Inch** Al-Br

| Size (inch) | Overall Length (mm) | Order Code KEN-575 |
|---|---|---|
| 1/16 | 59 | **-0250K** |
| 5/64 | 59 | **-0252K** |
| 3/32 | 59 | **-0254K** |
| 7/64 | 59 | **-0256K** |
| 1/8 | 59 | **-0258K** |
| 9/64 | 64 | **-0260K** |
| 5/32 | 65 | **-0262K** |
| 3/16 | 79 | **-0264K** |
| 7/32 | 85 | **-0266K** |
| 1/4 | 85 | **-0268K** |
| 9/32 | 88 | **-0270K** |
| 5/16 | 92 | **-0272K** |
| 11/32 | 97 | **-0274K** |
| 3/8 | 110 | **-0276K** |
| 7/16 | 119 | **-0278K** |
| 1/2 | 140 | **-0280K** |
| 9/16 | 150 | **-0282K** |
| 5/8 | 162 | **-0284K** |
| 11/16 | 168 | **-0286K** |
| 3/4 | 178 | **-0288K** |
| 13/16 | 184 | **-0290K** |
| 7/8 | 187 | **-0292K** |
| 15/16 | 192 | **-0294K** |
| 1 | 200 | **-0296K** |
| 1 1/16 | 210 | **-0298K** |
| 1 1/8 | 230 | **-0300K** |
| 1 3/16 | 240 | **-0302K** |
| 1 1/4 | 260 | **-0304K** |
| 1 7/16 | 290 | **-0306K** |
| 1 5/8 | 325 | **-0308K** |
| **Beryllium Copper - Metric** | | Be-Cu |
| 1.5mm | 59 | **-9280K** |
| 2mm | 59 | **-9282K** |
| 3mm | 59 | **-9284K** |
| 4mm | 65 | **-9286K** |
| 5mm | 79 | **-9288K** |
| 6mm | 85 | **-9290K** |
| 7mm | 88 | **-9292K** |
| 8mm | 92 | **-9294K** |
| 9mm | 97 | **-9296K** |
| 10mm | 110 | **-9298K** |

## KENNEDY Square Shovel

Spark resistant shovel with square mouth, polypropylene 'YD' handle and wooden shaft.

**Aluminium Bronze** Al-Br

| Head Size | Overall Length | Order Code KEN-575 |
|---|---|---|
| 235 x 185mm | 950mm (37") | -9240K |

## Wrecking Bars

For general dismantling and stripping applications. V-notch for use on nails.

**Aluminium Bronze** Al-Br

| Overall Length | Order Code KEN-575 |
|---|---|
| 400mm | -2520K |

**Beryllium Copper** Be-Cu

| Overall Length | Order Code KEN-575 |
|---|---|
| 400mm | -2400K |

## Putty Knives

With a chisel point and bi-material handle.

**Aluminium Bronze** Al-Br

| Blade Length | Blade Width | Overall Length | Order Code KEN-575 |
|---|---|---|---|
| 100mm (4") | 25mm (1") | 200mm (8") | -2740K |

**Beryllium Copper** Be-Cu

| Blade Length | Blade Width | Overall Length | Order Code KEN-575 |
|---|---|---|---|
| 100mm (4") | 25mm (1") | 200mm (8") | -2760K |

## Scrapers

**Aluminium Bronze** Al-Br

| Blade Length | Blade Width | Overall Length | Order Code KEN-575 |
|---|---|---|---|
| 95mm (3¾") | 75mm (3") | 200mm (8") | -2860K |

**Beryllium Copper** Be-Cu

| Blade Length | Blade Width | Overall Length | Order Code KEN-575 |
|---|---|---|---|
| 95mm (3¾") | 75mm (3") | 200mm (8") | -2880K |

## Socket Set ½" Square Drive

**Sockets:** 10, 11, 12, 14, 17, 19, 22, 24, 27, 30 and 32mm.

**Accessories:** 250mm ratchet wrench, 250mm sliding T-handle, 400mm speed brace, 125 and 250mm socket extensions.

**Aluminium Bronze** Al-Br

| Number of Pieces | Order Code KEN-575 |
|---|---|
| 16 | -7500K |

**Beryllium Copper** Be-Cu

| Number of Pieces | Order Code KEN-575 |
|---|---|
| 16 | -7460K |

## Pipe Wrenches

Serrated jaws with knurled adjusting nut.

**Heavy Duty**

**Aluminium Bronze** Al-Br

| Overall Length | Jaw Capacity | Order Code KEN-575 |
|---|---|---|
| 250mm | 30mm | -3580K |
| 300mm | 40mm | -3600K |
| 350mm | 50mm | -3620K |
| 450mm | 60mm | -3640K |
| 600mm | 75mm | -3660K |

**Beryllium Copper** Be-Cu

| Overall Length | Jaw Capacity | Order Code KEN-575 |
|---|---|---|
| 250mm | 30mm | -3700K |
| 300mm | 40mm | -3720K |
| 350mm | 50mm | -3740K |
| 450mm | 60mm | -3760K |
| 600mm | 75mm | -3780K |

## Adjustable Wrenches

Smooth jaw adjustment with self-locking design which prevents the jaws opening unintentionally under load.

**Aluminium Bronze** Al-Br

| Overall Length | Opening Capacity | Order Code KEN-575 |
|---|---|---|
| 150mm | 18mm | -1060K |
| 200mm | 24mm | -1080K |
| 250mm | 30mm | -1100K |
| 300mm | 36mm | -1120K |
| 380mm | 46mm | -1140K |
| 460mm | 55mm | -1160K |

**Beryllium Copper** Be-Cu

| Overall Length | Opening Capacity | Order Code KEN-575 |
|---|---|---|
| 150mm | 18mm | -0860K |
| 200mm | 24mm | -0880K |
| 250mm | 30mm | -0900K |
| 300mm | 36mm | -0920K |
| 385mm | 46mm | -0925K |

## Socket Set ¾" Square Drive

**Sockets:** 21, 24, 27, 30, 32, 34, 36, 38, 41, 46 and 50mm.

**Accessories:** 320mm ratchet wrench, 400mm sliding T-handle, 200mm socket extension.

**Aluminium Bronze** Al-Br

| Number of Pieces | Order Code KEN-575 |
|---|---|
| 14 | -8500K |

## KENNEDY® Open Jaw Spanners

Made from forged and hardened steel. Black oxidised finish. Conform to **DIN 894**.

**Single-Ended**

| Size (mm) | Overall Length | Order Code KEN-580 |
|---|---|---|
| 6 | 77 | -1060K |
| 7 | 78 | -1070K |
| 8 | 95 | -1080K |
| 9 | 100 | -1090K |
| 10 | 105 | -1100K |
| 11 | 125 | -1110K |
| 12 | 125 | -1120K |
| 13 | 135 | -1130K |
| 14 | 140 | -1140K |
| 15 | 140 | -1150K |
| 17 | 160 | -1170K |
| 18 | 160 | -1180K |
| 19 | 170 | -1190K |
| 22 | 195 | -1220K |
| 24 | 205 | -1240K |
| 27 | 235 | -1270K |
| 30 | 260 | -1300K |
| 32 | 265 | -1320K |
| 36 | 300 | -1360K |
| 38 | 300 | -1380K |
| 41 | 345 | -1410K |
| 46 | 375 | -1460K |
| 50 | 410 | -1500K |
| 55 | 455 | -1550K |
| 60 | 490 | -1600K |
| 65 | 575 | -1650K |
| 70 | 570 | -1700K |
| 75 | 610 | -1750K |
| 80 | 645 | -1800K |
| 85 | 690 | -1850K |
| 90 | 850 | -1900K |
| 95 | 900 | -1950K |

**Double-Ended**
Conform to **DIN 895**.

| Size (mm) | Overall Length | Order Code KEN-580 |
|---|---|---|
| 6x7 | 95 | -3060K |
| 7x8 | 108 | -3080K |
| 8x9 | 117 | -3100K |
| 8x10 | 115 | -3140K |
| 9x11 | 122 | -3180K |
| 10x11 | 122 | -3200K |
| 10x13 | 123 | -3240K |
| 11x13 | 140 | -3280K |
| 12x13 | 140 | -3300K |
| 12x14 | 142 | -3320K |
| 13x14 | 142 | -3340K |
| 13x15 | 160 | -3360K |
| 13x17 | 160 | -3380K |
| 14x15 | 160 | -3420K |
| 14x17 | 160 | -3460K |
| 16x18 | 170 | -3540K |
| 17x19 | 170 | -3580K |
| 17x 21 | 193 | -3620K |
| 19x22 | 195 | -3700K |
| 19x24 | 205 | -3740K |
| 22x24 | 220 | -3820K |
| 24x27 | 244 | -3900K |
| 24x29 | 265 | -3950K |
| 24x30 | 265 | -4000K |
| 30x32 | 273 | -4100K |
| 30x36 | 305 | -4150K |
| 32x36 | 305 | -4200K |
| 36x41 | 340 | -4250K |
| 41x46 | 380 | -4300K |
| 46x50 | 420 | -4350K |
| 50x55 | 460 | -4400K |
| 55x60 | 500 | -4500K |
| 65x70 | 580 | -4600K |
| 75x80 | 660 | -4700K |

## KENNEDY® Ring Slogging Spanners

Manufactured from forged and hardened steel with machined drive faces to ensure good contact with the fastener. With flat striking faces to allow hammer blows to be used to loosen or tighten stubborn fasteners. Manufactured to **DIN 7444**.

| Size (mm) | Overall Length | Order Code KEN-580 |
|---|---|---|
| | **Metric** | |
| 24 | 165 | -7010K |
| 27 | 180 | -7020K |
| 30 | 190 | -7030K |
| 32 | 190 | -7040K |
| 36 | 205 | -7050K |
| 41 | 230 | -7060K |
| 46 | 240 | -7070K |
| 50 | 225 | -7080K |
| 55 | 270 | -7090K |
| 60 | 280 | -7100K |
| 65 | 300 | -7110K |
| 70 | 330 | -7120K |
| 75 | 330 | -7130K |
| 80 | 360 | -7140K |
| 85 | 360 | -7150K |
| 90 | 390 | -7160K |
| 95 | 420 | -7170K |
| | **Inch** | |
| 1 1/16" | 180 | -7500K |
| 1 1/8" | 180 | -7510K |
| 1 3/16" | 190 | -7520K |
| 1 1/4" | 190 | -7530K |
| 1 5/16" | 190 | -7540K |
| 1 3/8" | 205 | -7550K |
| 1 7/16" | 205 | -7560K |
| 1 1/2" | 205 | -7570K |
| 1 9/16" | 230 | -7580K |
| 1 5/8" | 230 | -7590K |
| 1 11/16" | 230 | -7600K |
| 1 3/4" | 240 | -7610K |
| 1 13/16" | 240 | -7620K |
| 1 7/8" | 240 | -7630K |
| 1 15/16" | 225 | -7640K |
| 2" | 225 | -7650K |
| 2 1/16" | 225 | -7660K |
| 2 1/8" | 270 | -7670K |
| 2 3/16" | 270 | -7680K |
| 2 1/4" | 270 | -7690K |
| 2 5/16" | 280 | -7700K |
| 2 3/8" | 280 | -7710K |
| 2 7/16" | 280 | -7720K |
| 2 1/2" | 300 | -7730K |
| 2 9/16" | 300 | -7740K |
| 2 5/8" | 300 | -7750K |
| 2 3/4" | 330 | -7760K |
| 2 13/16" | 330 | -7770K |
| 2 7/8" | 330 | -7780K |
| 2 15/16" | 330 | -7790K |
| 3" | 330 | -7800K |
| 3 1/8" | 360 | -7810K |
| 3 1/2" | 390 | -7840K |
| 4 5/8" | 450 | -7920K |

## KENNEDY® C-Hook Spanners

Chrome vanadium steel. Specifically designed for use with slotted retaining rings. Conform to **DIN 1810A**.

| Range (mm) | Overall Length | Order Code KEN-580 |
|---|---|---|
| 16/20 | 108 | -5160K |
| 25/28 | 135 | -5250K |
| - | 135 | -5300K |
| 34/36 | 170 | -5340K |
| 40/42 | 170 | -5400K |
| 45/50 | 205 | -5450K |
| 52/55 | 205 | -5520K |
| 58/62 | 240 | -5580K |
| 68/75 | 240 | -5680K |
| 80/90 | 280 | -5800K |

## KENNEDY® Open Jaw Slogging Spanners

Forged and hardened steel. Flat striking faces to allow hammer blows to be used to loosen or tighten stubborn fasteners. **To DIN 133**.

| Size (mm) | Overall Length | Order Code KEN-580 |
|---|---|---|
| | **Metric** | |
| 24 | 180 | -6010K |
| 27 | 180 | -6020K |
| 30 | 190 | -6030K |
| 32 | 190 | -6040K |
| 36 | 215 | -6050K |
| 41 | 235 | -6060K |
| 46 | 225 | -6070K |
| 50 | 275 | -6080K |
| 55 | 300 | -6090K |
| 60 | 320 | -6100K |
| 65 | 340 | -6110K |
| 70 | 375 | -6120K |
| 75 | 375 | -6130K |
| 80 | 410 | -6140K |
| 85 | 410 | -6150K |
| 90 | 445 | -6160K |
| 95 | 445 | -6170K |
| 100 | 485 | -6180K |
| 105 | 485 | -6190K |
| 110 | 510 | -6200K |
| 115 | 510 | -6210K |

# BOX SPANNERS / SCAFFOLDING TOOLS



## KENNEDY® Box Spanners

For use in confined areas where there is not enough space to fit a normal spanner at 90°. Typically used in a car engine to reach down into a spark plug recess or similar. Manufactured from high quality steel tube. Zinc plated for corrosion resistance, each supplied with tommy bar.

**Metric**

| Size | Length (mm) | Order Code KEN-581 |
|---|---|---|
| 6 x 7 | 102 | -1060K |
| 8 x 9 | 105 | -1080K |
| 10 x 11 | 103 | -1100K |
| 12 x 13 | 102 | -1120K |
| 14 x 15 | 125 | -1140K |
| 16 x 17 | 127 | -1160K |
| 18 x 19 | 130 | -1180K |
| 20 x 21 | 127 | -1200K |
| 22 x 23 | 150 | -1220K |
| 24 x 25 | 150 | -1240K |
| 26 x 27 | 150 | -1270K |

**AF**

| Size | Length (mm) | Order Code KEN-581 |
|---|---|---|
| 1/4" x 5/16" | 103 | -1530K |
| 5/16" x 3/8" | 100 | -1550K |
| 3/8" x 7/16" | 100 | -1560K |
| 1/2" x 9/16" | 125 | -1580K |
| 9/16" x 5/8" | 127 | -1600K |
| 11/16" x 3/4" | 125 | -1630K |

## KENNEDY® Double Ended Box Spanner Set, Metric, 7 Pieces

- Tubes are manufactured from steel for optimum durability
- Each piece is zinc plated for bolstered resistance to corrosion
- Supplied with tommy bars
- 7 piece set ensures you have the correct sized box spanner to hand for varied applications

**Sets**

**7 Piece Metric:** 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.

**6 Piece AF:** 1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 1/2" x 9/16", 9/16" x 5/8" and 11/16" x 3/4".

**6 Piece BA:** 0 x 1, 2 x 3, 4 x 5, 6 x 7, 8 x 9, 10BA.

| Number of Pieces | Order Code KEN-581 |
|---|---|
| 7 Metric | -1450K |
| 6 Inch | -1950K |
| 6 BA | -2350K |

## KENNEDY® Reversible Ratchet Podger Spanners

Chrome vanadium steel. Suitable for Nehéz duty construction applications. Ratchet action for use in confined spaces. Reversible head has two Belső bi-Hatszög sizes.

| Size | Order Code KEN-580 |
|---|---|
| 13 & 17mm | -8430K |
| 17 & 19mm | -8450K |
| 19 & 24mm | -8460K |
| 24 & 27mm | -8470K |
| 27 & 30mm | -8480K |
| 30 & 32mm | -8490K |

## KENNEDY® Open End Podger Spanners

Designed to engage the nut from the side. Engages on two faces.

| Size | Overall Length | Order Code KEN-580 |
|---|---|---|
| 17mm | 220 | -8510K |
| 19mm | 240 | -8520K |
| 24mm | 280 | -8530K |
| 27mm | 300 | -8540K |
| 30mm | 320 | -8550K |
| 32mm | 340 | -8560K |
| 36mm | 355 | -8570K |
| 46mm | 390 | -8590K |

## KENNEDY® Ring End Podger Spanners

Cranked handle assists with location of spanner on to fixings within a recess.

| Size | Overall Length | Order Code KEN-580 |
|---|---|---|
| 17mm | 275 | -8710K |
| 19mm | 305 | -8720K |
| 24mm | 345 | -8730K |
| 27mm | 365 | -8740K |
| 30mm | 400 | -8750K |
| 32mm | 425 | -8760K |
| 36mm | 460 | -8770K |
| 46mm | 505 | -8790K |

## KENNEDY® Podger Hammer

Manufactured from a one piece forging. Features a hammer end and cranked round taper podger end used to line up holes and manipulate fixings.

**Overall length:** 275mm.
**Bar diameter:** 15mm.
**Head diameter:** 35mm.
**Head length:** 45mm.

| Order Code KEN-580 |
|---|
| -9100K |

## KENNEDY 16mm Spigot End Fittings Open End

| Size | Weight each | Order Code KEN-581 |
|---|---|---|
| **16mm Bore - Metric** | | |
| 8mm | 100g | **-2810K** |
| 10mm | 110g | **-2820K** |
| 11mm | 110g | **-2830K** |
| 12mm | 110g | **-2840K** |
| 13mm | 110g | **-2850K** |
| 14mm | 120g | **-2860K** |
| 15mm | 120g | **-2870K** |
| 16mm | 140g | **-2880K** |
| 17mm | 140g | **-2890K** |
| 18mm | 140g | **-2900K** |
| 19mm | 160g | **-2910K** |
| 20mm | 160g | **-2920K** |
| 21mm | 160g | **-2930K** |
| 22mm | 220g | **-2940K** |
| 23mm | 220g | **-2950K** |
| 24mm | 220g | **-2960K** |
| 25mm | 220g | **-2970K** |
| 26mm | 220g | **-2980K** |
| 27mm | 240g | **-2990K** |
| 30mm | 240g | **-3000K** |
| 32mm | 240g | **-3010K** |

## KENNEDY 16mm Spigot End Fittings Ring End

| Size | Weight each | Order Code KEN-581 |
|---|---|---|
| **16mm Bore - Metric** | | |
| 8mm | 100g | **-4300K** |
| 10mm | 100g | **-4310K** |
| 11mm | 100g | **-4320K** |
| 12mm | 100g | **-4330K** |
| 13mm | 110g | **-4340K** |
| 14mm | 110g | **-4350K** |
| 15mm | 120g | **-4360K** |
| 16mm | 120g | **-4370K** |
| 17mm | 120g | **-4380K** |
| 18mm | 120g | **-4390K** |
| 19mm | 130g | **-4400K** |
| 21mm | 130g | **-4410K** |
| 22mm | 170g | **-4420K** |
| 24mm | 160g | **-4430K** |
| 27mm | 150g | **-4440K** |

## KENNEDY 16mm Spigot Drives

Reversible Ratchet Head

Push-Through Ratchet Head

| Square Drive | Weight each | Order Code KEN-581 |
|---|---|---|
| **Reversible Ratchet Head** | | |
| 3/8" | 190g | **-5550K** |
| **Push-Through Square Drive Head** | | |
| 1/2" | 290g | **-5900K** |

## KENNEDY 22mm Spigot End Fittings Open End

| Size | Weight each | Order Code KEN-581 |
|---|---|---|
| **22mm Bore - Metric** | | |
| 30mm | 360g | **-4000K** |
| 32mm | 370g | **-4010K** |
| 36mm | 390g | **-4020K** |
| 41mm | 530g | **-4030K** |
| 46mm | 530g | **-4040K** |

## KENNEDY 22mm Spigot End Fittings Ring End

| Size | Weight each | Order Code KEN-581 |
|---|---|---|
| **22mm Bore - Metric** | | |
| 22mm | 310g | **-5000K** |
| 24mm | 320g | **-5010K** |
| 27mm | 330g | **-5020K** |
| 30mm | 350g | **-5030K** |
| 32mm | 440g | **-5040K** |
| 36mm | 400g | **-5050K** |
| 41mm | 560g | **-5060K** |
| 46mm | 490g | **-5070K** |

# SPANNERS - COMBINATION



## YAMOTO Industrial Combination Spanners

Made from fully polished chrome vanadium steel with a 15offset.
Conform to **DIN 3113.**

**Sets**
**14 piece Metric:**
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm

**25 piece Metric:**
6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30 and 32mm

| Number of Peices | Order Code **YMT-582** |
|---|---|
| 14 | **-4951R** |
| 25 | **-4951S** |

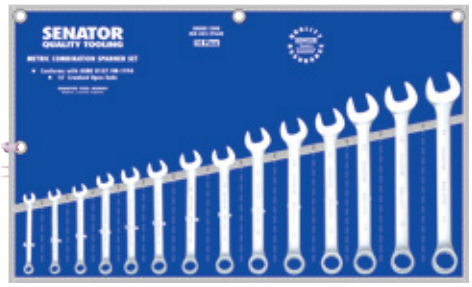
## SENATOR QUALITY TOOLING Combination Spanners

Manufactured from forged chrome vanadium steel with satin finish and 15° cranked heads. Conform to **DIN 3113.**

**14 Piece Set (-5202C):** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.

**25 Piece Set (-5202D):** 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30 and 32mm

**14 Piece Set (-5248F):** 8-24mm
**11 Piece Set (-5247D):** 8-24mm
**14 Piece Set (-5251E):** 6-24mm




| Number of Pieces | Order Code **SEN-582** |
|---|---|
| 14 Metric | **-5202C** |
| 25 Metric | **-5202D** |

| Size (mm) | Overall Length | Weight each | Order Code **SEN-582** |
|---|---|---|---|
| 7 | 110 | - | **-5201B** |
| 8 | 120 | 27g | **-5201C** |
| 10 | 140 | 36g | **-5201E** |
| 12 | 160 | - | **-5201G** |
| 13 | 170 | 66g | **-5201H** |
| 14 | 180 | - | **-5201J** |
| 15 | 190 | - | **-5201K** |
| 17 | 210 | - | **-5201M** |
| 19 | 230 | 193g | **-5201P** |
| 21 | 250 | 193g | **-5201R** |
| 22 | 260 | 193g | **-5201S** |
| | | 193g | **-5201T** |
| 24 | 280 | 193g | **-5201V** |
| 27 | 310 | 193g | **-5201Y** |
| 30 | 340 | 193g | **-5202A** |
| 32 | 360 | 193g | **-5202B** |

## KENNEDY Industrial Combination Spanners

Manufactured from chrome vanadium steel with a satin finish body and highly polished heads. 15° open jaw angle to shank and ring end offset. Conform to: 5.5mm - 25mm, ¼" - 1" AF - **DIN 3113**. 26mm - 95mm, 1 1/16" - 2"AF - **ASME B107.6**. ⅛" - ½" Whitworth - **DIN 3113 & BS192:1982**. 9/16" - ⅞" Whitworth - **ASME B107.6 & BS192:1982**.

### Metric

| Size (mm) | Overall Length | Order Code KEN-582 |
|---|---|---|
| 5.5 | 93 | -2560K |
| 6 | 100 | -2570K |
| 7 | 110 | -2580K |
| 8 | 120 | -2590K |
| 9 | 130 | -2600K |
| 10 | 140 | -2610K |
| 11 | 150 | -2630K |
| 12 | 160 | -2640K |
| 13 | 170 | -2660K |
| 14 | 180 | -2670K |
| 15 | 190 | -2680K |
| 16 | 200 | -2690K |
| 17 | 210 | -2700K |
| 18 | 220 | -2710K |
| 19 | 230 | -2720K |
| 20 | 240 | -2730K |
| 21 | 250 | -2740K |
| 22 | 260 | -2750K |
| 23 | 260 | -2760K |
| 24 | 280 | -2770K |
| 25 | 295 | -2780K |
| 26 | 295 | -2790K |
| 27 | 310 | -2800K |
| 28 | 340 | -2810K |
| 29 | 340 | -2850K |
| 30 | 340 | -2820K |
| 32 | 360 | -2830K |
| 36 | 410 | -2840K |
| 38 | 430 | -2860K |
| 41 | 460 | -2870K |
| 46 | 500 | -2880K |
| 50 | 540 | -2890K |
| 55 | 560 | -2891K |
| 60 | 600 | -2892K |
| 65 | 675 | -2893K |
| 70 | 675 | -2894K |
| 75 | 720 | -2895K |
| 80 | 720 | -2896K |
| 85 | 730 | -2897K |
| 90 | 730 | -2898K |
| 95 | 750 | -2899K |

Manufactured from chrome vanadium steel **(except * which is made from drop forged carbon steel)** with a satin finish body and highly polished heads.

### AF

| Size (AF) | Overall Length | Order Code KEN-582 |
|---|---|---|
| ¼" | 100 | -2260K |
| 5/16" | 120 | -2270K |
| ⅜" | 140 | -2280K |
| 7/16" | 150 | -2290K |
| ½" | 170 | -2300K |
| 9/16" | 180 | -2310K |
| ⅝" | 200 | -2320K |
| 11/16" | 210 | -2340K |
| ¾" | 230 | -2350K |
| ⅞" | 260 | -2360K |
| 13/16" | 250 | -2370K |
| 15/16" | 280 | -2380K |
| 1" | 295 | -2390K |
| 1 1/16"* | 358 | -2400K |
| 1 1/8"* | 380 | -2410K |
| 1 1/4"* | 418 | -2420K |
| 1 5/16"* | 461 | -2430K |
| 1 3/8"* | 461 | -2440K |
| 1 7/16"* | 486 | -2450K |
| 1 1/2"* | 486 | -2460K |
| 1 5/8"* | 540 | -2470K |
| 1 3/4"* | 611 | -2480K |
| 1 7/8"* | 611 | -2490K |
| 2"* | 611 | -2500K |

### Sets

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 11 Metric | -2980K |
| 14 Metric | -2900K |
| 14* Metric | -2960K |
| 18 Metric | -2970K |
| 26 Metric | -2910K |
| 9 AF | -2920K |
| 11 AF | -2940K |
| 12 AF | -2930K |
| 7 Whitworth | -2950K |

**Sets:**

**11 Piece:** 26, 27, 28, 29, 30, 32, 36, 38, 41, 46 and 50mm

**14 Piece:** 6, 8, 9, 10, 13, 14, 15, 17, 19, 22, 24, 27, 30 and 32mm.

**14* Piece:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.

**18 Piece:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 and 24mm.

**26 Piece:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 32mm.

**9 Piece AF:**
¼", 5/16", ⅜", 7/16", ½", 9/16", ⅝", 11/16" and ¾"

**11 Piece AF:** *1 1/16", *1 1/8", *1 1/4", *1 5/16", *1 3/8", *1 7/16", *1 1/2", *1 5/8", *1 3/4", *1 7/8" and *2".

**12 Piece AF:** ¼", 5/16", ⅜", 7/16", ½", 9/16", ⅝", 11/16", ¾", ⅞", 15/16" and 1".

**7 Piece Whitworth:** ⅛", 3/16", ¼", 5/16", ⅜", 7/16" and ½".

## KENNEDY Industrial Offset Combination Spanners

Chrome vanadium steel. 15° cranked open end. Offset ring end. Up to 25% longer than conventional **DIN 3113** combination spanners. Conform to **DIN 3113B**.

### Metric

| Size (mm) | Overall Length | Order Code KEN-582 |
|---|---|---|
| 6 | 127 | -3880K |
| 7 | 135 | -3881K |
| 8 | 145 | -3882K |
| 9 | 155 | -3883K |
| 10 | 167 | -3884K |
| 11 | 173 | -3885K |
| 12 | 180 | -3886K |
| 13 | 195 | -3887K |
| 14 | 210 | -3888K |
| 15 | 215 | -3889K |
| 16 | 230 | -3890K |
| 17 | 240 | -3891K |
| Size (mm) | Overall Length | Order Code KEN-582 |
| 18 | 255 | -3892K |
| 19 | 265 | -3893K |
| 21 | 280 | -3894K |
| 22 | 300 | -3895K |
| 24 | 320 | -3896K |
| 27 | 340 | -3897K |
| 30 | 360 | -3878K |
| 32 | 380 | -3879K |

**Set**

**14 Piece Metric:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19mm.

| Size Range | Order Code KEN-582 |
|---|---|
| 6-19mm | -3898K |

# SPANNERS - COMBINATION



## KENNEDY Pro. Professional Combination Spanners

Manufactured from chrome vanadium steel. Highly polished mirror finish prevents oil and dirt from adhering to the spanner making for easier cleaning and preventing rust. Long reach, wall drive. Conforms with **ANSE B107.6.**
Chrome plated finish to prevent corrosion. Ring head angle - 15°

**Metric**

| Size (mm) | Overall Length | Weight each | Order Code **KEN-582** |
|---|---|---|---|
| 6 | 130 | 26g | **-3060K** |
| 7 | 136 | 30g | **-3070K** |
| 8 | 148 | 35g | **-3080K** |
| 9 | 167 | 53g | **-3090K** |
| 10 | 172 | 57g | **-3100K** |
| 11 | 186 | 70g | **-3110K** |
| 12 | 197 | 80g | **-3120K** |
| 13 | 207 | 88g | **-3130K** |
| 14 | 223 | 119g | **-3140K** |
| 15 | 233 | 133g | **-3150K** |
| 16 | 243 | 145g | **-3160K** |
| 17 | 261 | 179g | **-3170K** |
| 18 | 270 | 199g | **-3180K** |
| 19 | 280 | 220g | **-3190K** |
| 20 | 290 | 323g | **-3200K** |
| 21 | 301 | 323g | **-3210K** |
| 22 | 318 | 361g | **-3220K** |
| 23 | 325 | 400g | **-3225K** |
| 24 | 338 | 443g | **-3230K** |
| 25 | 350 | 540g | **-3231K** |
| 26 | 350 | 525g | **-3232K** |
| 27 | 370 | 610g | **-3233K** |
| 28 | 370 | 585g | **-3234K** |
| 29 | 400 | 715g | **-3235K** |
| 30 | 400 | 735g | **-3236K** |
| 32 | 430 | 915g | **-3237K** |

**AF**

| Size (AF) | Overall Length | Weight each | Order Code **KEN-582** |
|---|---|---|---|
| 11/32" | 143 | 32g | **-3239K** |
| 1/4" | 130 | 26g | **-3240K** |
| 5/16" | 148 | 35g | **-3250K** |
| 3/8" | 167 | 53g | **-3260K** |
| 7/16" | 186 | 70g | **-3270K** |
| 1/2" | 207 | 88g | **-3280K** |
| 9/16" | 223 | 119g | **-3290K** |
| 5/8" | 243 | 145g | **-3300K** |
| 11/16" | 261 | 179g | **-3310K** |
| 3/4" | 280 | 220g | **-3320K** |
| 13/16" | 297 | 296g | **-3330K** |
| 7/8" | 320 | 350g | **-3340K** |
| 15/16" | 340 | 435g | **-3350K** |
| 1" | 355 | 510g | **-3360K** |

**Sets**
**14 Piece Metric:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.
**14* Piece Metric:** 6, 8, 9, 10, 13, 14, 15, 17, 19, 22, 24, 27, 30 and 32mm.
**18 Piece Metric:** 6, 7, 8, 9, 10, 11, 12, 13, 14,15, 16, 17, 18, 19, 20, 21, 22, and 24mm.
**26 Piece Metric:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 32mm.
**9 Piece AF:** 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4".
**13 Piece AF:** 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16" & 1".

| Number of Pieces | Order Code **KEN-582** |
|---|---|
| 14 Metric | **-3960K** |
| 14* Metric | **-3972K** |
| 18 Metric | **-3970K** |
| 26 Metric | **-3974K** |
| 9 AF | **-3920K** |
| 13 AF | **-3930K** |

## KENNEDY Pro. Short Arm Combination Spanners

Manufactured from quality chrome vanadium steel with hardened jaws and high polish mirror finish, corrosion-resistant and easy to clean. The jaws and ring are offset at 15° for easier location and application of torque to the fastener. Suitable for use in areas of very restricted access. Conforms to **ASME B107.6**.

**Metric**

| Size (mm) | Overall Length | Order Code **KEN-582** |
|---|---|---|
| 10 | 97 | **-2200K** |
| 11 | 100 | **-2202K** |
| 12 | 105 | **-2204K** |
| 13 | 110 | **-2206K** |
| 14 | 114 | **-2208K** |
| 15 | 119 | **-2210K** |
| 16 | 124 | **-2212K** |
| 17 | 130 | **-2214K** |
| 18 | 133 | **-2216K** |
| 19 | 140 | **-2218K** |

**Set**
**9 Piece Metric:** 10, 11, 12, 13, 14, 15, 16, 17 and 19mm.

10 PIECES

| Weight each | Order Code **KEN-582** |
|---|---|
| 840g | **-2225K** |

## KENNEDY Pro. Professional Ratchet Combination Spanners

Chrome vanadium steel with mirror polish finish, preventing oil and dirt from adhering to the spanner, making for easier cleaning and preventing rust. 72-teeth ratcheting system which needs only 5° movement to operate ratchet. Thin wall design for greater access. Conform to **ASME B107.6**.

Wall Drive

**Metric**

| Size (mm) | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| 8 | 135 | 38g | -2158K |
| 10 | 155 | 65g | -2160K |
| 11 | 160 | 75g | -2162K |
| 12 | 172 | 85g | -2164K |
| 13 | 180 | 95g | -2166K |
| 14 | 190 | 115g | -2168K |
| 15 | 200 | 135g | -2170K |
| 16 | 215 | 155g | -2172K |
| 17 | 230 | 200g | -2174K |
| 18 | 240 | 210g | -2175K |
| 19 | 245 | 235g | -2176K |
| 21 | 285 | 350g | -2177K |
| 22 | 285 | 340g | -2178K |
| 24 | 325 | 475g | -2179K |
| 25 | 325 | 480g | -2252K |
| 26 | 325 | 465g | -2253K |
| 27 | 355 | 600g | -2254K |
| 28 | 360 | 600g | -2255K |
| 30 | 420 | 918g | -2257K |
| 32 | 425 | 880g | -2259K |

**AF**

| Size (AF) | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| 3/8" | 160 | 60g | -2144K |
| 7/16" | 168 | 70g | -2146K |
| 1/2" | 179 | 90g | -2148K |
| 9/16" | 198 | 115g | -2150K |
| 5/8" | 214 | 150g | -2152K |
| 11/16" | 232 | 185g | -2154K |
| 3/4" | 250 | 225g | -2156K |

**Set**

**9 Piece Metric:** 10, 11, 12, 13, 14, 15, 16, 17 and 19mm.

**7 Piece AF:** 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4".

| Number of Pcs | Weight each | Order Code KEN-582 |
|---|---|---|
| 9 Metric | 2560g | -3990K |
| 7 AF | 2150g | -2230K |

## KENNEDY Pro. Ratchet Combination Spanner Set with Sockets

**Quattro 4-in-1 - Q23M:** This wrench set for 10 to 19mm applications comprises open ended wrenches, ratchet ring wrenches, Go-Thru™ single hex ratchet wrenches and 1/4", 3/8" and 1/2" square drive ratchets. All are made from chrome vanadium and are fully plated with a mirrorfinish. Supplied in a heavy duty fitted metal storage case with locking lid and carry handle.

Wall Drive

**Ratchet Combination Spanner Set with Sockets**

| Weight each | Order Code KEN-582 |
|---|---|
| 3.00kg | -3980K |

**Square Drive Adaptors**

| Size | Order Code KEN-582 |
|---|---|
| 3/8" SD (x13mm hex) | -5195K |
| 1/2" SD (x19mm hex) | -6705K |

23 PIECES

**Go-Thru™ Sockets**

| Size | Order Code KEN-582 |
|---|---|
| 11mm | -3741K |
| 12mm | -3742K |
| 13mm | -3743K |
| 14mm | -3744K |
| 15mm | -3745K |
| 16mm | -3746K |
| 17mm | -3747K |
| 18mm | -3748K |
| 19mm | -3749K |

## KENNEDY Pro. Metric Combination Ratchet Spanners, Fixed Head

Available in a range of sizes (8mm-19mm), these combination spanners are made of chrome vanadium steel and have an innovative ratcheting open-end design. The 72-teeth ratcheting system needs only 5° movement to operate ratchet and the spanners. Ideal for use in confined spaces. The chrome plated mirror finish prevents oil and dirt from adhering to the tool, making it easier to clean and preventing rust. Conformance to **ASME B107.100-2010**.

| Size mm | Overall Length mm | Order Code KEN-582 |
|---|---|---|
| 8 | 140 | -8850K |
| 10 | 160 | -8851K |
| 11 | 165 | -8852K |
| 12 | 170 | -8853K |
| 13 | 180 | -8854K |
| 14 | 190 | -8855K |
| 15 | 200 | -8856K |
| 16 | 205 | -8857K |
| 17 | 230 | -8858K |
| 18 | 235 | -8859K |
| 19 | 250 | -8860K |

**Set**

**8 Piece Metric:** 8, 10, 12, 13, 14, 15, 17 and 19mm.

8 PIECES

| Pieces | Order Code KEN-582 |
|---|---|
| 8 | -8864K |

# SPANNERS - COMBINATION

## KENNEDY Pro. Short Arm Ratchet Combination Spanners

Manufactured from quality chrome vanadium steel with hardened jaws and high polish mirror finish, corrosion resistant and easy to clean. Conforms to **ANSI 8107.6**.

**Metric**

| Size (mm) | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| 10 | 95 | 40g | **-2188K** |
| 11 | 100 | 50g | **-2189K** |
| 12 | 103 | 55g | **-2190K** |
| 13 | 106 | 60g | **-2191K** |
| 14 | 114 | 75g | **-2192K** |
| 15 | 117 | 90g | **-2193K** |
| 16 | 120 | 100g | **-2194K** |
| 17 | 127 | 120g | **-2195K** |
| 19 | 138 | 155g | **-2197K** |

**AF**

| Size Inch | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| 3/8" | 97mm | 45g | **-2180K** |
| 7/16" | 113mm | 85g | **-2181K** |
| 1/2" | 108mm | 70g | **-2182K** |
| 9/16" | 114mm | 85g | **-2183K** |
| 5/8" | 120mm | 110g | **-2184K** |
| 11/16" | 127mm | 120g | **-2185K** |

**Sets**
**9 Piece Metric:**
10, 11, 12, 13, 14, 15, 16, 17 and 19mm.
**7 Piece AF:**
3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4".

| Number of Pieces | Weight each | Order Code KEN-582 |
|---|---|---|
| 9 Metric | 1880g | **-2236K** |
| 7 AF | 770g | **-2228K** |

## KENNEDY Pro. Professional Reversible Combination Spanners

Bi-hexagonal 15° offset rings with a 72 teeth lever ratcheting system that requires only 5 degree movement to operate, making them ideal for use in tight areas. Made from high quality Chrome Vanadium Steel with mirror polish finish to prevent oil and dirt from adhering to the spanner. Conform to **ASME B107.6**.

**'Flush' fitted reversible switch enables the wrench to move in either direction without sacrificing the overall compact surface of the box end.**

**Metric**

| Size (mm) | Overall Length | Order Code KEN-582 |
|---|---|---|
| 8 | 135 | **-6808K** |
| 10 | 155 | **-6810K** |
| 11 | 160 | **-6811K** |
| 12 | 172 | **-6812K** |
| 13 | 180 | **-6813K** |
| 14 | 190 | **-6814K** |
| 15 | 200 | **-6815K** |
| 16 | 215 | **-6816K** |
| 17 | 230 | **-6817K** |
| 18 | 240 | **-6818K** |
| 19 | 245 | **-6819K** |
| 21 | 285 | **-6821K** |
| 22 | 285 | **-6822K** |
| 24 | 325 | **-6824K** |
| 27 | 335 | **-6827K** |

**Set**
**9 Piece Metric:**
10, 11, 12, 13, 14, 15, 16, 17 and 19mm.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 9 Metric | **-6796K** |

## KENNEDY Pro. Professional Flex-Heavy Ratchet Combination Keys

Chrome vanadium steel with mirror polish finish, preventing oil a dirt from adhering to the Key, making for easier cleaning a preventing rust. 72-teeth ratcheting system which needs only 5° movement to operate ratchet. Thin wall design for greater access. Head flexes up to 90° in either direction. Conform to **ASME B107.6**.

**Set (right) contains spanners and ratchet units which combine to make a set of square drive ratchets for use with standard sockets (supplied separately)**

**Metric Ratchet Combination Spanners**

| Size (mm) | Overall Length | Order Code KEN-582 |
|---|---|---|
| 10 | 160mm | **-2240K** |
| 11 | 168mm | **-2241K** |
| 12 | 179mm | **-2242K** |
| 13 | 180mm | **-2243K** |
| 14 | 192mm | **-2244K** |
| 15 | 200mm | **-2245K** |
| 16 | 215mm | **-2246K** |
| 17 | 233mm | **-2247K** |
| 18 | 237mm | **-2248K** |
| 19 | 249mm | **-2249K** |

## KENNEDY Pro. Flex-Head Ratchet Combination Spanner Set With Adaptors

Contains:
**Flex head ratchet combination spanners**: 10, 11, 12, 13, 14, 15, 16, 17 and 19mm.
**Quick release square drive adaptors** - 1/4" SD (x10mm hex); 3/8" SD (x13mm hex); 1/2" SD (x19mm hex).
Supplied in a heavy duty fitted storage case.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 10 Metric | **-2250K** |

## KENNEDY Pro Reversible Ratchet Ring Wrenches

For use where access is limited. With a built-in ratchet mechanism to provide speed and a reversible action which can be achieved by depressing the reversing lever or by simply turning the wrench over. All ratcheting ring wrenches are manufactured from chrome vanadium steel with bi-hex rings.

**Straight**

**Metric** *Single hexagon

| Size (mm) | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| 6* x 7* | 115 | 65g | -9720K |
| 8 x 9 | 135 | 80g | -9721K |
| 10 x 11 | 140 | 90g | -9722K |
| 12 x 13 | 175 | 170g | -9723K |
| 14 x 15 | 210 | 270g | -9724K |
| 17 x 19 | 210 | 260g | -9725K |
| 21 x 22 | 240 | 305g | -9726K |

**AF**

| Size (AF) | Weight each | Order Code KEN-582 |
|---|---|---|
| 1/4"* x 5/16" | 60g | -9732K |
| 3/8" x 7/16" | 90g | -9733K |
| 1/2" x 9/16" | 160g | -9734K |
| 5/8" x 11/16" | 270g | -9735K |
| 3/4" x 7/8" | 305g | -9736K |

**Sets**
**7 Piece Metric:** 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 17 x 19 and 21 x 22mm

| Number of Pieces | Weight each | Order Code KEN-582 |
|---|---|---|
| 7 Metric | 1300g | -9730K |

**25° Offset**

**Sets Contents:**
**7 Piece Metric:**
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 17 x 19 and 21 x 22mm.

**Metric** *Single hexagon

| Size (mm) | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| 6* x 7* | 115 | 65g | -9742K |
| 8 x 9 | 135 | 80g | -9743K |
| 10 x 11 | 140 | 90g | -9744K |
| 12 x 13 | 175 | 165g | -9745K |
| 14 x 15 | 210 | 260g | -9746K |
| 17 x 19 | 205 | 250g | -9747K |
| 21 x 22 | 235 | 310g | -9748K |

**AF**

| Size (AF) | Weight each | Order Code KEN-582 |
|---|---|---|
| 1/4"* x 5/16" | 60g | -9752K |
| 3/8" x 7/16" | 90g | -9753K |
| 1/2" x 9/16" | 170g | -9754K |
| 5/8" x 11/16" | 265g | -9755K |
| 3/4" x 7/8" | 300g | -9756K |

| Number of Pieces | Weight each | Order Code KEN-582 |
|---|---|---|
| 7 Metric | 1280g | -9750K |

# SPANNERS - RING

## KENNEDY Pro 12-In-1 Reversible Ratchet Spanners

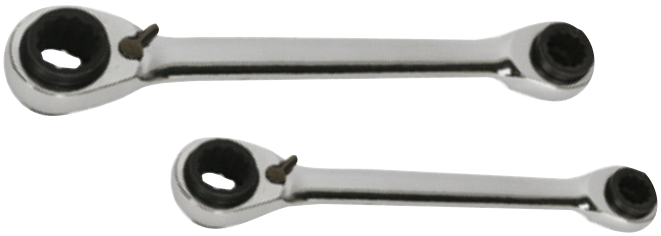
Double ended ratchet spanners with 12 sizes each. These spanners fit mm, inch and E-TORX fasteners saving space and weight in the toolbox. The 72 teeth lever ratcheting system requires only 5 degree movement to operate making them ideal for use in tight areas. Made from high quality chrome vanadium steel with mirror polish finish to prevent oil and dirt from adhering to the spanner.

**Sizes (Per Spanner):**
8, 10, 11 & 13mm/5/16" 3/8" 7/16" & 1/2"/E10, E12, E14 & E16
14, 16, 17 & 19mm/9/16" 5/8" 11/16" 3/4"/E18, E20, E22 & E24

**Metric**

| Size Range (mm) | Overall Length | Order Code **KEN-582** |
|---|---|---|
| 8 - 13 | 160 | **-6862K** |
| 14 - 19 | 230 | **-6864K** |

**2 Piece Set:** One of each as left



| Number of Pieces | Order Code **KEN-582** |
|---|---|
| 2 Pieces | **-6870K** |

## KENNEDY Pro 4-In-1 Reversible Ratchet Key

Double ended ratchet key with 4 sizes, saving space and weight in the toolbox. 72 teeth lever ratcheting system that requires only 5° movement to operate, making them ideal for use in tight areas. Made from high quality chrome vanadium steel with mirror polish finish to prevent oil a dirt from adhering to the Key.

**'Flush' fitted reversible switch enables the wrench to move in either direction without sacrificing the overall compact surface of the box end.**

**Metric**

| Size Range (mm) | Overall Length | Order Code **KEN-582** |
|---|---|---|
| 8 - 13 | 160 | **-6852K** |
| 9 - 15 | 180 | **-6854K** |
| 16 - 19 | 230 | **-6856K** |

## KENNEDY Pro 4-In-1 Ratcheting Ring Spanner Set, Metric, 3 Pieces

- 72 teeth lever ratchet system enables easy turning and deliverance of torque
- 5° increments effectively engage the socket with minimum user effort
- Manufactured from chrome vanadium steel for optimum
- Mirror finish repels dirt and grime for an easy tool clean
- Double ended design allows the rings to fit 2 sizes per ring, 4 per spanner for range of applications
- Set contains 3 varying sized spanners to cover a broad range of fastener sizes

Contents
Sizes (per spanner):
- 8, 10, 12 and 13mm
- 9, 11, 14 and 15mm
- 16, 17, 18 and 19mm

3 PIECES

| Size Range | Order Code **KEN-582** |
|---|---|
| 8-19mm | **-6860K** |

# KENNEDY® Industrial Open Ended Spanners

Chrome vanadium steel (except * which are made from drop forged carbon steel) with a satin finish body and highly polished heads, with a 15° offset.
**DIN 3110:** 4 x 5mm to 32 x 36mm, ¼" x 5/16" to 15/16" x 1 5/8" AF.
**ASME B107.39:** 36 x 41mm to 46 x 50mm, 1 7/16" x 1 5/8" to 1 13/16" x 2" AF.
**DIN 3110 & BS192:1982:** ⅛" x 3/16" to 1" x 1⅛" Whitworth.

## Metric

| Size (mm) | Overall Length | Order Code KEN-582 |
|---|---|---|
| 4 x 5 | 103 | -0530K |
| 5 x 5.5 | 103 | -0540K |
| 5.5 x 7 | 122 | -0550K |
| 6 x 7 | 122 | -0570K |
| 7 x 8 | 122 | -0580K |
| 8 x 9 | 140 | -0590K |
| 8 x 10 | 140 | -0600K |
| 10 x 11 | 156 | -0610K |
| 10 x 12 | 156 | -0612K |
| 10 x 13 | 172 | -0620K |
| 11 x 13 | 172 | -0630K |
| 12 x 13 | 172 | -0640K |
| 12 x 14 | 172 | -0644K |
| 13 x 15 | 186 | -0650K |
| 13 x 17 | 188 | -0660K |
| 14 x 15 | 188 | -0670K |
| 14 x 17 | 188 | -0677K |
| 16 x 17 | 204 | -0680K |
| 17 x 19 | 220 | -0690K |
| 18 x 19 | 220 | -0700K |
| 19 x 21 | 234 | -0709K |
| 19 x 22 | 234 | -0710K |
| 19 x 24 | 234 | -0720K |
| 20 x 22 | 234 | -0730K |
| 21 x 23 | 247 | -0740K |
| 22 x 24 | 247 | -0750K |
| 24 x 26 | 266 | -0760K |
| 24 x 27 | 266 | -0770K |
| 24 x 30 | 285 | -0780K |
| 25 x 28 | 285 | -0790K |
| 30 x 32 | 302 | -0810K |
| 27 x 30 | 302 | -0820K |
| 27 x 32 | 302 | -0830K |
| 30 x 36 | 319 | -0840K |
| 32 x 36 | 319 | -0850K |
| *36 x 41 | 434 | -0860K |
| *41 x 46 | 465 | -0870K |
| *46 x 50 | 495 | -0880K |

## AF

| Size AF | Order Code KEN-582 |
|---|---|
| 1/4" x 5/16" | -0260K |
| 5/16" x 3/8" | -0270K |
| 3/8" x 7/16" | -0280K |
| 7/16" x 1/2" | -0290K |
| 1/2" x 9/16" | -0300K |
| 9/16" x 5/8" | -0310K |
| 5/8" x 11/16" | -0320K |
| 5/8" x 3/4" | -0330K |
| 11/16" x 3/4" | -0340K |
| 3/4" x 7/8" | -0350K |
| 13/16" x 7/8" | -0360K |
| 7/8" x 15/16" | -0370K |
| 15/16" x 1" | -0380K |
| 1" x 1 1/8" | -0400K |
| 1 1/16" x 1 1/4" | -0410K |
| 1 1/8" x 15/16" | -0420K |
| 13/16" x 15/16" | -0430K |
| 1 1/4" x 13/8" | -0450K |
| 15/16" x 1 1/2" | -0460K |
| *17/16" x 15/8" | -0470K |
| *1 1/2" x 15/8" | -0480K |
| *1 11/16" x 17/8" | -0490K |
| *1 13/16" x 2" | -0510K |

**Sets:**
**7 Piece Metric:** 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.

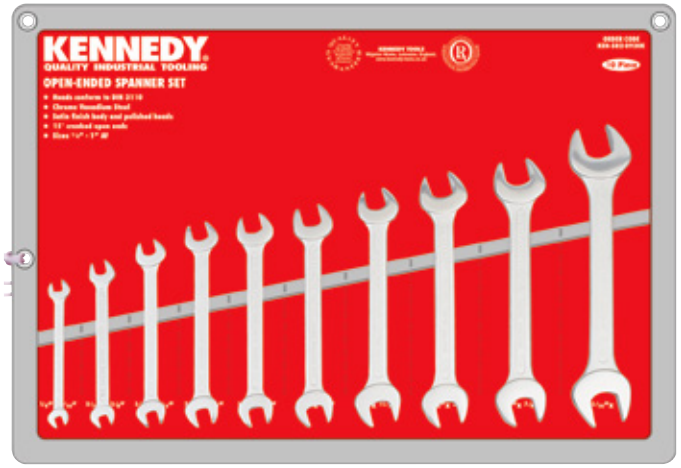
**8 Piece Metric:** 24 x 26, 25 x 28, 27 x 30, 27 x 32, 32 x 36, *36 x 41, *41 x 46 and *46 x 50mm.

**11 Piece Metric:** 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27 and 30 x 32mm.

**5 Piece AF:** 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16" and 3/4" x 7/8".

**10 Piece AF:** 1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 3/4" x 7/8" and 15/16" x 1".

**8 Piece Whitworth:** 1/8" x 3/16", 3/16" x 1/4", 1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16" and 9/16" x 5/8".




| Number of Pieces | Order Code KEN-582 |
|---|---|
| 7 Metric | -0960K |
| 8 Metric | -0990K |
| 11 Metric | -0970K |
| 5 AF | -0920K |
| 10 AF | -0930K |
| 8 Whit | -0950K |

# SPANNERS - OPEN ENDED



## KENNEDY Pro. Professional Open Ended Spanners

Chrome vanadium steel with a highly polished mirror finish preventing oil and dirt from adhering to the spanner. Made to American Federal Standards, extra thick heads offer higher torque forces to be applied therefore improved performance. Conform to **ASME B107.39**

| Size (mm) | Overall Length | Order Code **KEN-582** |
|---|---|---|
| 6 x 7 | 126 | **-2990K** |
| 8 x 9 | 135 | **-3000K** |
| 10 x 11 | 146 | **-3010K** |
| 12 x 13 | 165 | **-3020K** |
| 14 x 15 | 185 | **-3030K** |
| 16 x 17 | 185 | **-3040K** |
| 18 x 19 | 230 | **-3050K** |
| 20 x 22 | 250 | **-3051K** |
| 21 x 23 | 250 | **-3052K** |
| 24 x 27 | 290 | **-3053K** |
| 30 x 32 | 360 | **-3054K** |

**Set**
**7 Piece Metric:**
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.
**11 Piece Metric:**
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27 and 30 x 32mm.

| Number of Pieces | Order Code **KEN-582** |
|---|---|
| 7 Metric | **-3900K** |
| 11 Metric | **-3910K** |

## SENATOR QUALITY TOOLING Open Ended Spanners

Drop forged steel with 15° cranked open ends. Satin finish heads. Conform to **DIN 3110**

**Sets**
**7 Piece Metric:**
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.
**11 Piece Metric:**
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27 & 30 x 32mm.

**Metric**

| Size (mm) | Overall Length | Order Code **SEN-582** |
|---|---|---|
| 6 x 7 | 122 | **-5202E** |
| 8 x 9 | 140 | **-5202F** |
| 10 x 11 | 156 | **-5202G** |
| 12 x 13 | 172 | **-5202H** |
| 14 x 15 | 190 | **-5202J** |
| 16 x 17 | 205 | **-5202K** |

| Size (mm) | Overall Length | Order Code **SEN-582** |
|---|---|---|
| 18 x 19 | 220 | **-5202L** |
| 20 x 22 | 236 | **-5202M** |
| 21 x 23 | 250 | **-5202N** |
| 24 x 27 | 266 | **-5202P** |
| 30 x 32 | 302 | **-5202W** |

| Number of Pieces | Order Code **SEN-582** |
|---|---|
| 7 Metric | **-5202R** |
| 11 Metric | **-5202S** |

## YAMOTO Industrial Open Ended Spanner Sets

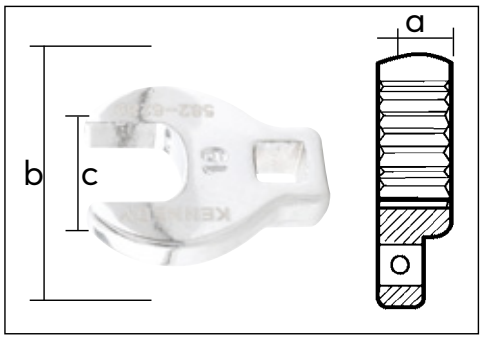
Made from chrome vanadium steel with polished head and 15° offset. Conform to **DIN 3110**

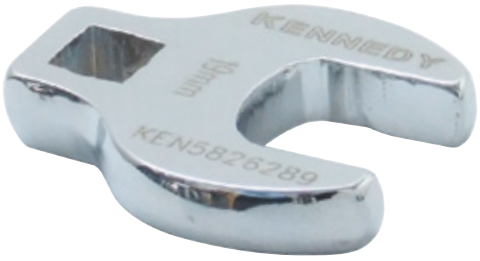
**Sets**
**7 Piece Metric:**
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.
**11 Piece Metric:**
6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27 & 30 x 32mm.

| Number of Pieces | Order Code **YMT-582** |
|---|---|
| 7 Metric | **-4951W** |
| 11 Metric | **-4951P** |

## KENNEDY Crowfoot Wrenches

3/8 Chrome vanadium wrenches designed to be used for getting into tight spots and hard to reach areas, in particular around tubing such as hydraulic lines etc. For use with 3/8" square drive tools.




| Size (mm) (c) | (b) | (a) | Order Code KEN-582 |
|---|---|---|---|
| 10 | 22 | 9 | -6280K |
| 11 | 25 | 9 | -6281K |
| 12 | 28 | 9 | -6282K |
| 13 | 28 | 9 | -6283K |
| 14 | 33 | 9 | -6284K |
| 15 | 33 | 9 | -6285K |
| 17 | 38 | 9 | -6287K |
| 19 | 43 | 10 | -6289K |
| 22 | 47 | 10 | -6292K |
| 24 | 53 | 10 | -6294K |

## KENNEDY Miniature Open Ended Spanner Set

**Set**
**6 Piece BA:** 0 x 2, 1 x 3, 4 x 6, 5 x 7, 8 x 10 and 9 x 11BA.
**6 Piece Metric:** 3.2 x 4, 4 x 5, 5 x 5.5, 5.5 x 6, 6 x 7 and 7 x 8mm

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 6 BA | -0910K |

**Set**
**10 Piece Metric:**
10, 11, 12, 13, 14, 15, 17, 19, 22 and 24mm.
Supplied on a sliding socket rail for storage.

10 PIECES

| Size Range | Order Code KEN-582 |
|---|---|
| 10-24mm | -6300K |

From start to finish
Your No. 1 choice for abrasive supplies
A comprehensive range of abrasive products – all backed with expert knowledge and support.
Visit our website to find out more

Keeping Industry Working™

# SPANNERS - RING



## KENNEDY® Double Ended Ring Spanners

Made from chrome vanadium steel with a satin finish body and highly polished heads, with double ended closed jaw bi-hexagon offset. Conform to **DIN 838 Metric & AF, BS 192 : 1982 & BS 3555 : 1998 Whitworth**.

### Metric

| Size (mm) | Overall Length | Order Code KEN-582 |
|---|---|---|
| 5.5 x 7 | 168 | -1550K |
| 6 x 7 | 180 | -1570K |
| 8 x 9 | 190 | -1590K |
| 8 x 10 | 200 | -1600K |
| 10 x 11 | 205 | -1610K |
| 10 x 13 | 220 | -1620K |
| 12 x 13 | 220 | -1640K |
| 13 x 17 | 270 | -1660K |
| 14 x 15 | 235 | -1670K |
| 16 x 17 | 250 | -1680K |
| 17 x 19 | 270 | -1690K |
| 18 x 19 | 270 | -1700K |
| 19 x 22 | 290 | -1710K |
| 19 x 24 | 330 | -1720K |
| 20 x 22 | 290 | -1730K |
| 21 x 23 | 315 | -1740K |
| 22 x 24 | 330 | -1750K |
| 24 x 26 | 335 | -1760K |
| 24 x 27 | 340 | -1770K |
| 24 x 30 | 362 | -1780K |
| 25 x 28 | 360 | -1790K |
| 27 x 30 | 380 | -1800K |
| 30 x 32 | 380 | -1810K |
| 30 x 36 | 420 | -1820K |
| 32 x 36 | 420 | -1830K |
| 36 x 41 | 430 | -1840K |
| 41 x 46 | 440 | -1850K |
| 46 x 50 | 505 | -1860K |
| 55 x 60 | 635 | -1870K |

### AF

| Size AF | Order Code KEN-582 |
|---|---|
| 1/4" x 5/16" | -1260K |
| 5/16" x 3/8" | -1270K |
| 3/8" x 7/16" | -1280K |
| 7/16" x 1/2" | -1290K |
| 1/2" x 9/16" | -1300K |
| 9/16" x 5/8" | -1310K |
| 5/8" x 11/16" | -1320K |
| 11/16" x 3/4" | -1340K |
| 3/4" x 7/8" | -1350K |
| 13/16" x 7/8" | -1360K |
| 15/16" x 1" | -1380K |
| 11/16" x 1 1/4" | -1410K |

### Sets

**7 Piece Metric:** 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17 and 18 x 19mm.
**11 Piece Metric:** 6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27 and 30 x 32mm.
**5 Piece AF:** 1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16" and 3/4" x 7/8".
**10 Piece AF:** 1/4" x 5/16", 5/16" x 3/8", 3/8" x 7/16", 7/16" x 1/2", 1/2" x 9/16", 9/16" x 5/8", 5/8" x 11/16", 11/16" x 3/4", 3/4" x 7/8" and 15/16" x 1".
**5 Piece BSW:** 3/16" x 1/4", 5/16" x 3/8", 7/16" x 1/2", 9/16" x 5/8" and 11/16" x 3/4" BSW.

| No. of Pieces | Order Code KEN-582 |
|---|---|
| 7 Metric | -1960K |
| 11 Metric | -1970K |
| 5 AF | -1920K |
| 10 AF | -1930K |
| 5 BSW | -1950K |

## KENNEDY Pro™ Professional Flared Nut Ring Spanners

Conform to: **ASME B107.4**. Made from chrome vanadium steel with a highly polished mirror finish. Made to American Federal Standards, giving higher torque therefore improved performance. The wrench will fit over the pipe to give a positive location on the nut. Can be used on hydraulic pipes, brake pipes etc.

**Metric Conform with ANSI B107.9M.**

| Size (mm) | Overall Length | Order Code **KEN-582** |
|---|---|---|
| 8 x 10 | 145 | **-1020K** |
| 9 x 11 | 145 | **-1030K** |
| 12 x 14 | 175 | **-1040K** |
| 13 x 15 | 170 | **-1050K** |
| 16 x 17 | 200 | **-1060K** |

**AF** Conform with **ANSI B107.6**

| Size (AF) | Overall Length | Order Code **KEN-582** |
|---|---|---|
| 5/16" x 3/8" | 145 | **-1110K** |
| 3/8" x 7/16" | 155 | **-1120K** |
| 1/2" x 9/16" | 175 | **-1130K** |
| 5/8" x 11/16" | 198 | **-1140K** |

**Set**
**5 Piece Metric:** 8 x 10, 9 x 11, 12 x 14, 13 x 15 and 16 x 17mm.
**4 Piece AF:** 5/16" x 3/8", 3/8" x 7/16", 1/2" x 9/16" and 5/8" x 11/16".

| Number of Pieces | Order Code **KEN-582** |
|---|---|
| 5 Metric | **-1090K** |
| 4 AF | **-1170K** |

## KENNEDY Pro™ Industrial Flared Nut Ring Spanners

Conform to **ASME B107.4**. Made from high quality chrome vanadium steel. Satin finish body with highly polished heads. OffSet ends. The wrench will fit over the pipe to give a positive location on the nut. It can be used on hydraulic pipes, brake pipes etc.

**Metric** Conform with **ANSI B107.9M**.

| Size (mm) | Overall Length | Order Code **KEN-582** |
|---|---|---|
| 6 x 8 | 135 | **-3490K** |
| 8 x 10 | 135 | **-3500K** |
| 9 x 11 | 155 | **-3510K** |
| 10 x 11 | 155 | **-3520K** |
| 10 x 12 | 155 | **-3530K** |
| 12 x 14 | 175 | **-3540K** |
| 13 x 14 | 175 | **-3550K** |
| 14 x 17 | 200 | **-3590K** |
| 17 x 19 | 200 | **-3600K** |
| 19 x 22 | 225 | **-3610K** |
| 22 x 24 | 230 | **-3620K** |
| 24 x 27 | 250 | **-3630K** |
| 30 x 32 | 275 | **-3640K** |

**AF** Conform with **ANSI B107.9**.

| Size (AF) | Order Code **KEN-582** |
|---|---|
| 1/4" x 5/16" | **-3651K** |
| 3/8" x 7/16" | **-3652K** |
| 1/2" x 9/16" | **-3653K** |
| 5/8" x 11/16" | **-3654K** |
| 3/4" x 7/8" | **-3655K** |

**Set**
**6 Piece Metric:**
6 x 8, 9 x 11, 10 x 12, 13 x 14, 14 x 17 and 19 x 22mm.
**5 Piece AF:**
1/4" x 5/16", 3/8" x 7/16", 1/2" x 9/16", 5/8" x 11/16" and 3/4" x 7/8".

| Number of Pieces | Order Code **KEN-582** |
|---|---|
| 6 Metric | **-3650K** |
| 5 AF | **-3659K** |

# SPANNERS / SOCKET ACCESSORIES

## KENNEDY Pro Spinner Handles

**Fixed Type:** chrome vanadium blade with spring loaded ball bearing socket retainer.

1/4 **Overall length:** 150mm.

**Polypropylene**

| Handle Type | Order Code KEN-582 |
|---|---|
| Polypropelene | **-4200K** |

## YAMOTO INDUSTRIAL PLIERS Pin & Hook Wrench 8 Piece Set

Made of Chrome Vanadium Steel with a satin finish. Set consists of 3 wrenches along with 3 interchangeable hinged hook and pin arms plus 2 spare pins. For use on slotted rings. Supplied in a strong carry case.

8 PIECES

| Sizes | Order Code YMT-582 |
|---|---|
| 3/4 - 4 3/4 | **-9100K** |

## KENNEDY Adjustable 'C' Hook Spanners

Manufactured from chrome vanadium steel with a highly polished chrome plated finish.

| Diameter | Weight each | Order Code KEN-582 |
|---|---|---|
| 3/4 - 2" | 120g | **-9600K** |
| 1 1/4 - 3" | 250g | **-9610K** |
| 2 - 4 3/4" | 460g | **-9620K** |
| 4 1/2 - 6 1/4" | 460g | **-9630K** |

## KENNEDY Adjustable Pin & Hook Wrench

Manufactured from drop forged Chrome Vanadium Steel with a polished chrome finish. For use on slotted rings.

| Diameter | Order Code KEN-582 |
|---|---|
| 15 - 35mm | **-9540K** |
| 35 - 50mm | **-9550K** |
| 50 - 80mm | **-9560K** |
| 80 - 120mm | **-9570K** |
| 120 - 180mm | **-9580K** |

## KENNEDY Pro Double Ended Lug

For connecting two female square drives

| Drive Female x Male | Overall Length | Order Code KEN-582 |
|---|---|---|
| 1/4" x 1/4" | 25mm | **-4240K** |

## KENNEDY Pro Universal Joint

1/4 Hinged through 180° in both directions. Knurled for extra grip.

**Drive male x female:** 1/4" x 1/4".

| Overall Length | Order Code KEN-582 |
|---|---|
| 40mm | **-4160K** |

## KENNEDY Pro Adaptors/ Converters

1/4 Chrome vanadium.

**Hex Bit Adaptor**
Converts square drive tooling to use hexagon bits.

| Square Drive x Hex | Overall Length | Order Code KEN-582 |
|---|---|---|
| 1/4" x 1/4" | 25mm | **-4230K** |

## KENNEDY Pro Drive Converter

For using a combination of square drive sockets in one application.

| Drive Female x Male | Overall Length | Order Code KEN-582 |
|---|---|---|
| 1/4" x 3/8" | 27mm | **-4220K** |
| 3/8" x 1/4" | 37mm | **-5180K** |

## KENNEDY Pro. Push Through Steel Handles

¼ Chrome - molybdenum with mirror polished finish. Push through square drive, needs only 3% movement to operate ratchet.

| Type | Overall Length | Order Code KEN-582 |
|---|---|---|
| Standard | 125mm | -4025K |
| Stubby | 75mm | -4028K |

## KENNEDY Pro. Disc Type Steel Handle

¼ Standard wrench with high polished finish. Fitted with spring loaded ball bearing socket retainer. Manufactured from **chrome vanadium steel.**

| Overall Length | Number of Teeth | Order Code KEN-582 |
|---|---|---|
| 140 | 20 | -4020K |

## KENNEDY Pro. Lever Reversible Rubber Handle

¼ Chrome vanadium. Rubber grip, 72 tooth ratchet. With thumb lever for reversing without having to remove the socket or accessory. With quick release. A high quality wrench for the professional use.

| Overall Length | Number of Teeth | Order Code KEN-582 |
|---|---|---|
| 140mm | 72 | -4005K |

## KENNEDY Pro. Lever Reversible Steel Handle

¼ Fully chromed all steel handle with thumb lever for reversing without having to remove the socket or accessory.

| Overall Length | Number of Teeth | Order Code KEN-582 |
|---|---|---|
| 143mm | 72 | -4015K |

## KENNEDY Pro. Swivel Handle

¼ The hinged link allows operation at varied angles to aid access in restricted areas. Knurled grip.

| Overall Length | Order Code KEN-582 |
|---|---|
| 150mm | -4180K |

## SENATOR QUALITY TOOLING Lever Reversible Rubber Handle

¼ Chrome vanadium. Rubber grip, 72 tooth ratchet. With thumb lever for reversing. Quick release.

| Overall Length | Number of Teeth | Order Code SEN-582 |
|---|---|---|
| 140mm | 72 | -4010K |

## KENNEDY Pro. Sliding 'T' Handle

¼ Manufactured from high quality chrome vanadium with a fully polished finish. The sliding bar will give many options for leverage within a given space.

| Overall Length | Order Code KEN-582 |
|---|---|
| 105mm | -4040K |

## KENNEDY Pro. Extension Bars

¼ Manufactured from high quality chrome vanadium with a fully polished finish. All with knurled 'finger grip'.

**Standard**

| Overall Length | Order Code KEN-582 |
|---|---|
| 50mm | -4060K |
| 100mm | -4080K |
| 150mm | -4100K |
| 250mm | -4120K |

**Flexible**
Steel wire braid allows access into obstructed areas.

| Overall Length | Order Code KEN-582 |
|---|---|
| 150mm | -4140K |

**Wobble**
In areas where clearance may be a problem the 'wobble' square drive can be used at an angle of up to 15°.

| Overall Length | Order Code KEN-582 |
|---|---|
| 50mm | -4070K |
| 100mm | -4090K |
| 150mm | -4110K |
| 250mm | -4130K |

# SOCKETS & ACCESSORIES - ¼" SQUARE DRIVE

## KENNEDY Pro. Standard Length Head

¼ Conform to **DIN3124**.

KENGRIP

**Patented Design**

- Grips fasteners which are up to 95% rounded off.
- Will not damage worn or rusted fasteners.
- Also fits a wide range of non-metric Hexagons and E-Torx® Drive Sizes.
- Fully chrome plated finish for easy clean.
- Unique 'Double-Knurl' for high grip.
- Aluminium-free finish.

**Will also fit a wide range of non-metric Hexagons and E-Torx® Drive Sizes.**

**¼" Square Drive**

| Size | Overall Length | Order Code KEN-582 |
|---|---|---|
| 4.0mm | 25.0 | -4161K |
| 4.5mm | 25.0 | -4162K |
| 5.0mm | 25.0 | -4163K |
| 5.5mm | 25.0 | -4164K |
| 6.0mm | 25.0 | -4165K |
| 7.0mm | 25.0 | -4166K |
| 8.0mm | 25.0 | -4167K |
| 9.0mm | 25.0 | -4168K |
| 10.0mm | 25.0 | -4169K |
| 11.0mm | 25.0 | -4170K |
| 12.0mm | 25.0 | -4171K |
| 13.0mm | 25.0 | -4172K |
| 14.0mm | 25.0 | -4173K |

## Screwdriver Bits

¼ Manufactured from high quality chrome vanadium, fully polished finish. Conform to **DIN**.
**Overall length:** 37mm.
**Bit length:** 19mm.

| Type | Size (mm) | Order Code KEN-582 |
|---|---|---|
| Slotted | 4.0mm | -4700K |
| | 5.5mm | -4710K |
| | 7.0mm | -4730K |
| Cross Point | No.1 | -4750K |
| | No.2 | -4760K |
| | No.3 | -4770K |
| | No.4 | -4780K |
| Hexagon | 3.0mm | -4790K |
| | 4.0mm | -4800K |
| | 5.0mm | -4810K |
| | 6.0mm | -4820K |
| | 8.0mm | -4830K |
| | 1/8" | -4840K |
| | 5/32" | -4850K |
| | 3/16" | -4860K |
| | 7/32" | -4870K |
| | 1/4" | -4880K |
| | 5/16" | -4890K |
| Torx | T6 | -4685K |
| | T7 | -4686K |
| | T8 | -4687K |
| | T9 | -4688K |
| | T10 | -4689K |
| | T15 | -4690K |
| | T20 | -4691K |
| | T25 | -4692K |
| | T27 | -4693K |
| | T30 | -4694K |
| | T40 | -4695K |

## Standard & Deep Pockets Sockets

¼ Ideal for assembly and servicing of small precision mechanisms associated with electrical, electronic, ignition wand refrigeration work.
All bi-hexagon unless stated.

¼ Double knurl feature gives a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets. Manufactured from chrome vanadium, fully chrome plated with a mirror finish and aluminium-free. Chamfered leading edge ensures easy fastener location.

| Size (mm) | Overall Length | Order Code KEN-582 |
|---|---|---|
| **Metric** | | |
| 4.0 | 25mm | -4300K |
| 4.5 | 25mm | -4310K |
| 5.0 | 25mm | -4320K |
| 5.5 | 25mm | -4330K |
| 6.0 | 25mm | -4340K |
| 7.0 | 25mm | -4350K |
| 8.0 | 25mm | -4360K |
| 9.0 | 25mm | -4370K |
| 10.0 | 25mm | -4380K |
| 11.0 | 25mm | -4390K |
| 12.0 | 25mm | -4400K |
| 13.0 | 25mm | -4410K |
| 14.0 | 25mm | -4420K |
| **Metric (Single Hex)** | | |
| 4.0 | 25mm | -4540K |
| 5.0 | 25mm | -4542K |
| 5.5 | 25mm | -4543K |
| 6.0 | 25mm | -4544K |
| 7.0 | 25mm | -4545K |
| 8.0 | 25mm | -4546K |
| 9.0 | 25mm | -4547K |
| 10.0 | 25mm | -4548K |
| 11.0 | 25mm | -4549K |
| 12.0 | 25mm | -4550K |
| 13.0 | 25mm | -4551K |
| 14.0 | 25mm | -4552K |
| **Metric (Deep)** | | |
| 4.0 | 50mm | -4670K |
| 4.5 | 50mm | -4671K |
| 5.0 | 50mm | -4672K |
| 5.5 | 50mm | -4673K |
| 6.0 | 50mm | -4674K |
| 7.0 | 50mm | -4675K |
| 8.0 | 50mm | -4676K |
| 9.0 | 50mm | -4677K |
| 10.0 | 50mm | -4678K |
| 11.0 | 50mm | -4679K |
| 12.0 | 50mm | -4680K |
| 13.0 | 50mm | -4681K |
| 14.0 | 50mm | -4682K |
| **Metric (Single Hex Deep)** | | |
| 6.0 | 50mm | -4566K |
| 7.0 | 50mm | -4567K |
| 8.0 | 50mm | -4568K |
| 9.0 | 50mm | -4569K |
| 10.0 | 50mm | -4570K |
| 11.0 | 50mm | -4571K |
| 12.0 | 50mm | -4572K |
| 13.0 | 50mm | -4573K |
| 14.0 | 50mm | -4574K |

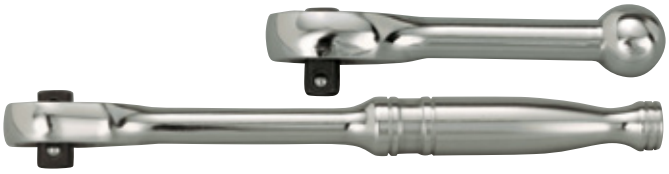
| Size (mm) | Overall Length | Order Code KEN-582 |
|---|---|---|
| **AF** | | |
| 3/16" | 25mm | -4450K |
| 7/32" | 25mm | -4460K |
| 1/4" | 25mm | -4470K |
| 9/32" | 25mm | -4480K |
| 5/16" | 25mm | -4490K |
| 11/32" | 25mm | -4500K |
| 3/8" | 25mm | -4510K |
| 7/16" | 25mm | -4520K |
| 1/2" | 25mm | -4530K |
| 9/16" | 25mm | -4532K |
| **AF (Single Hex)** | | |
| 3/16" | 25mm | -4430K |
| 7/32" | 25mm | -4431K |
| 1/4" | 25mm | -4432K |
| 9/32" | 25mm | -4433K |
| 5/16" | 25mm | -4434K |
| 11/32" | 25mm | -4435K |
| 3/8" | 25mm | -4436K |
| 7/16" | 25mm | -4437K |
| 1/2" | 25mm | -4438K |
| 9/16" | 25mm | -4439K |
| **AF (Deep)** | | |
| 3/16" | 50mm | -4580K |
| 7/32" | 50mm | -4581K |
| 1/4" | 50mm | -4582K |
| 9/32" | 50mm | -4583K |
| 5/16" | 50mm | -4584K |
| 11/32" | 50mm | -4585K |
| 3/8" | 50mm | -4586K |
| 7/16" | 50mm | -4588K |
| 1/2" | 50mm | -4590K |
| 9/16" | 50mm | -4592K |
| **AF (Single Hex Deep)** | | |
| 3/8" | 50mm | -4561K |
| **BA** | | |
| 0 | 25mm | -4600K |

# SOCKETS & ACCESSORIES - ¼" SQUARE DRIVE



## KENNEDY Pro. Push Through Steel Handles

3/8 Clutch type drive action.
Needs only 3% movement to operate.



| Type | Overall Length | Order Code KEN-582 |
|---|---|---|
| Standard | 180mm | -4945K |
| Stubby | 105mm | -4948K |

## KENNEDY Pro. Lever Reversible Steel Handle

3/8 Fully chromed all steel handle with thumb lever for reversing without having to remove the socket or accessory.

| Overall Length | Number of Teeth | Order Code KEN-582 |
|---|---|---|
| 200mm | 72 | -4932K |

## YAMOTO INDUSTRIAL SOCKET SETS Composite Ratchet Handle

3/8 With reverse lever, push button quick release. 72-tooth gear drive. Chrome vanadium core.

| Overall Length | Number of Teeth | Order Code YMT-582 |
|---|---|---|
| 200mm | 72 | -7510K |

## YAMOTO INDUSTRIAL SOCKET SETS Lever Reversible Rubber Handle

3/8 Chrome vanadium. Rubber grip, 72 tooth ratchet. With thumb lever for reversing. Quick release.

| Overall Length | Number of Teeth | Order Code YMT-582 |
|---|---|---|
| 200mm | 72 | -4944K |

## KENNEDY Pro. Extension Bars

3/8 **Extensions**
Manufactured from high quality chrome vanadium with a fully polished finish. All with knurled 'finger grip'.

**Standard**

**Locking**

| Overall Length | Order Code KEN-582 |
|---|---|
| 75mm | -4960K |
| 125mm | -4980K |
| 150mm | -5000K |
| 250mm | -5020K |
| 300mm | -5050K |
| 450mm | -5070K |

**Wobble**

**Wobble**
In areas where clearance may be a problem the 'wobble' square drive can be used at an angle of up to 15°.

| Overall Length | Order Code KEN-582 |
|---|---|
| 75mm | -5110K |
| 150mm | -5120K |
| 250mm | -5140K |

## KENNEDY Pro. Disc Type Steel Handle

3/8 Basic wrench with high polished finish.
Fitted with spring loaded ball bearing socket retainer.

| Overall Length | Number of Teeth | Order Code KEN-582 |
|---|---|---|
| 200mm | 42 | -4900K |

## KENNEDY Pro. Push Through Rubber Handle

3/8 A very economic wrench with a one way ratchet. Push through square drive allows left and right hand operation.

| Overall Length | Number of Teeth | Order Code KEN-582 |
|---|---|---|
| 200mm | 41 | -4930K |

## KENNEDY Pro. Lever Reversible Rubber Handle

3/8 Chrome vanadium. Rubber grip, 72 tooth ratchet. Without having to remove the socket or accessory. With quick release.

| Overall Length | Number of Teeth | Order Code KEN-582 |
|---|---|---|
| 200mm | 72 | -4942K |

## SENATOR QUALITY TOOLING Lever Reversible Rubber Handle

3/8 Chrome vanadium. Rubber grip, 72 tooth ratchet. With thumb lever for reversing. Quick release.

| Overall Length | Number of Teeth | Order Code SEN-582 |
|---|---|---|
| 200mm | 72 | -4950K |

## SENATOR QUALITY TOOLING Ratchet Repair Kits

| To suit Ratchet Number | Order Code SEN-582 |
|---|---|
| SEN-582-4010K | -4015K |
| SEN-582-4950K | -4955K |

# SOCKET & ACCESSORIES - ⅜" SQUARE DRIVE



## KENNEDY Pro. Swivel Handles

⅜ The hinged link allows operation at varied angles to aid access in restricted areas.

-5060K

-5160K

| Grip | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| Steel | 225mm | 310g | -5060K |
| Rubber | 225mm | 225g | -5160K |

## KENNEDY Pro. Heavy Duty American Pattern

| Grip | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| American | 375mm | 310g | -5065K |
| **Components** | | | |
| Replacement Knuckle | | | -5068K |

## KENNEDY Pro. Spinner Handle Fixed Type

⅜ Chrome vanadium steel blade, polypropylene handle and spring loaded bearing socket retainer.

| Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|
| 210mm | 240g | -5100K |

## KENNEDY Pro. Sliding 'T' Handle

⅜ Made from high quality chrome vanadium with a fully polished finish. The sliding bar gives many options for leverage within any space.

| Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|
| 165mm | 185g | -4920K |

## KENNEDY Pro. Speed Braces

⅜ Manufactured from high quality chrome vanadium, fully polished finish. Ideal for nut spinning.

**Rubber Grip**
**KEN -582-5080K**

| Grip | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| American | 425mm | 500g | -5090K |
| Rubber Grip | 400mm | 470g | -5080K |

## YAMOTO INDUSTRIAL SOCKET SETS Sliding 'T' Handle

⅜ Overall length: 165mm.

| Overall Length | Weight each | Order Code YMT-582 |
|---|---|---|
| 165mm | 185g | -4920K |

## KENNEDY Pro. Universal Joint

⅜ Hinged through 180° in both directions. Knurled for extra grip.

| Drive Male x Female | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| ⅜" x ⅜" | 50mm | 60g | -5040K |

# SOCKETS & ACCESSORIES - ⅜" SQUARE DRIVE



## Standard Length Sockets

KENGRIP

KENNEDY Pro

| Type | Size | Overall Length | Order Code KEN-582 | Order Code KEN-582 |
|---|---|---|---|---|
| Metric | 6mm | 26 | -5832K | -5240K |
| | 7mm | 26 | -5833K | -5250K |
| | 8mm | 26 | -5834K | -5260K |
| | 9mm | 26 | -5835K | -5270K |
| | 10mm | 26 | -5836K | -5280K |
| | 11mm | 26 | -5837K | -5290K |
| | 12mm | 26 | -5838K | -5300K |
| | 13mm | 26 | -5839K | -5310K |
| | 14mm | 30 | -5840K | -5320K |
| | 15mm | 30 | -5841K | -5330K |
| | 16mm | 30 | -5842K | -5340K |
| | 17mm | 30 | -5843K | -5350K |
| | 18mm | 30 | -5844K | -5360K |
| | 19mm | 30 | -5845K | -5370K |
| | 20mm | 30 | -5846K | -5380K |
| | 21mm | 30 | -5847K | -5390K |
| | 22mm | 27 | -5848K | -5400K |
| AF | ¼" | 27 | | -5430K |
| | 5/16" | 27 | | -5440K |
| | 11/32" | 27 | | -5450K |
| | ⅜" | 27 | | -5460K |
| | 7/16" | 27 | | -5470K |
| | ½" | 27 | | -5480K |
| | 9/16" | 27 | | -5490K |
| | ⅝" | 27 | | -5500K |
| | 11/16" | 30 | | -5510K |
| | ¾" | 25 | | -5520K |
| | 13/16" | 27 | | -5530K |
| | ⅞" | 27 | | -5540K |
| Whit | ⅛" | 27 | | |
| | 3/16" | 27 | | |
| | ¼" | 30 | | |
| | 5/16" | 30 | | |
| | ⅜" | 30 | | |
| | 7/16" | 30 | | |
| | ½" | 30 | | |


KENGRIP
Patented Design
Conform to **DIN3124**.
⅜" Square Drive

Page 425 - 445


## Deep Sockets

⅜" Square Drive

| Type | Size | Overall Length | Order Code KEN-582 | Order Code KEN-582 |
|---|---|---|---|---|
| Metric | 8mm | 62 | -5849K | -5700K |
| | 9mm | 62 | -5850K | -5710K |
| | 10mm | 62 | -5851K | -5720K |
| | 11mm | 62 | -5852K | -5730K |
| | 12mm | 62 | -5853K | -5740K |
| | 13mm | 62 | -5854K | -5750K |
| | 14mm | 62 | -5855K | -5760K |
| | 15mm | 62 | -5856K | -5770K |
| | 16mm | 62 | -5857K | -5780K |
| | 17mm | 62 | -5858K | -5790K |
| | 18mm | 64 | -5859K | -5800K |
| | 19mm | 64 | -5860K | -5810K |
| | 21mm | 64 | -5861K | -5820K |
| | 22mm | 64 | -5862K | -5830K |
| AF | ⅜" | 63 | - | -5870K |
| | 7/16" | 63 | - | -5880K |
| | ½" | 63 | - | -5890K |
| | 9/16" | 63 | - | -5900K |
| | ⅝" | 65 | - | -5910K |
| | 11/16" | 65 | - | -5920K |
| | ¾" | 65 | - | -5930K |
| | 13/16" | 65 | - | -5940K |

Page 447 - 459

## Single Hexagon Standard Length

| Type | Size | Overall Length | Order Code KEN-582 |
|---|---|---|---|
| Metric Single Hex | 6mm | 26 | -5554K |
| | 7mm | 26 | -5555K |
| | 8mm | 26 | -5556K |
| | 9mm | 26 | -5557K |
| | 10mm | 26 | -5558K |
| | 11mm | 26 | -5559K |
| | 12mm | 26 | -5560K |
| | 13mm | 26 | -5561K |
| | 14mm | 30 | -5562K |
| | 15mm | 30 | -5563K |
| | 16mm | 30 | -5564K |
| | 17mm | 30 | -5565K |
| | 18mm | 30 | -5566K |
| | 19mm | 30 | -5567K |

# SOCKETS & ACCESORIES - ⅜" SQUARE DRIVE

## KENNEDY Pro. Double Lug

⅜ Chrome vanadium. For connecting two female square řídits. 25mm long.

| Drive Male x Male | Weight each | Order Code KEN-582 |
|---|---|---|
| ⅜" x ⅜" | 10g | -5170K |

## Female/Male Converters

⅜ Chrome vanadium. For using a combination of socket in the same application.

| Drive Female x Male | Order Code KEN-582 |
|---|---|
| ⅜" x ¼" | -5180K |
| ⅜" x ½" | -5190K |
| ½" x ⅜" | -6700K |

## Hex Bit Adaptor

⅜ Chrome vanadium. For converting square drive tooling to use hexagon bits.

| Drive x Hex | Overall Length | Order Code KEN-582 |
|---|---|---|
| ⅜" x ¼" | 30mm | -5200K |

## Spark Plug Sockets

⅜ For insertion and removal of spark plugs. Neoprene insert helps retain the plug and protect the insulation material from damage.

| Size (Plug) | Overall Length | Order Code KEN-582 |
|---|---|---|
| M10 | 65mm | -5670K |
| M12 | 65mm | -5680K |
| M14 | 68mm | -5660K |

## KENNEDY Pro. Screwdriver Bit Sockets

Often used in the automotive and aerospace industries. The weight to strength ratio ensures the reliability and accessibility that is important in this type of environment. Made from chrome vanadium steel, fully chrome plated with a mirror finish and aluminium-free. All have ball retaining grooves.
Conform to **DIN standards**.

| Size | Bit Lgth (mm) | Overall Lgth (mm) | Order Code KEN-582 |
|---|---|---|---|
| **Hexagon** | | | **Hexagon** |
| 3mm | 20 | 50 | -6000K |
| 4mm | 20 | 50 | -6010K |
| 5mm | 20 | 50 | -6020K |
| 6mm | 20 | 50 | -6030K |
| 8mm | 20 | 50 | -6040K |
| 10mm | 20 | 50 | -6050K |
| ⅛" | 20 | 50 | -6080K |
| 5/32" | 20 | 50 | -6090K |
| 3/16" | 20 | 50 | -6100K |
| 7/32" | 20 | 50 | -6110K |
| ¼" | 20 | 50 | -6120K |
| 5/16" | 20 | 50 | -6130K |
| ⅜" | 20 | 50 | -6140K |
| **TX** | | | **TX** |
| T9 | 20 | 50 | - |
| T10 | 20 | 50 | -6235K |
| T15 | 20 | 50 | -6236K |
| T20 | 20 | 50 | -6237K |
| T25 | 20 | 50 | -6238K |
| T27 | 20 | 50 | -6239K |
| T30 | 20 | 50 | -6241K |
| T40 | 20 | 50 | -6242K |
| T45 | 20 | 50 | -6243K |
| T50 | 20 | 50 | -6244K |

## KENNEDY Pro. Long Screwdriver Bit Sockets & Socket Bit Sets

Ideal for accessing deep seated bolts that have been fitted knurled bodies for extra grip. Made from S2 chrome vanadium. Supplied on storage rail.

**Hexagon**

**6 Piece Set Contents:**
4, 5, 6, 7, 8, 10mm.

6 PIECES

**TX**

**6 Piece Set Contents:**
T20, T25, T30, T40 T45 and T50

**Bit Sets**

| Description | Order Code KEN-582 |
|---|---|
| Hexagon 6 Piece Set | -6324K |
| TX 6 Piece Set | -6340K |

**Individual Bits - Hexagon**

| Size | Overall Length | Order Code KEN-582 |
|---|---|---|
| 4mm | 100mm | -6314K |
| 5mm | 100mm | -6315K |
| 6mm | 100mm | -6316K |
| 7mm | 100mm | -6317K |
| 8mm | 100mm | -6318K |
| 10mm | 100mm | -6320K |

**Individual Bits - TX**

| Size | Overall Length | Order Code KEN-582 |
|---|---|---|
| T20 | 95mm | -6330K |
| T25 | 95mm | -6331K |
| T30 | 95mm | -6332K |
| T40 | 95mm | -6334K |
| T45 | 95mm | -6335K |
| T50 | 95mm | -6336K |

Range Available KENGRIP Patented Design
Grips without damaging

Grips up to 95% rounded off
Page 437-445

## KENNEDY Pro. Lever Reversible Rubber Handle

½ Chrome vanadium. Rubber grip, 72 tooth ratchet. With thumb lever for reversing without having to remove the socket or accessory.
With quick release.

A high quality wrench for the professional user.

**½" DRIVE:** The most popular drive size used in the service and maintenance industries. This popularity is due to its strength and robust nature.

### Ratchet Repair Kits

| Overall Length | Number of Teeth | Weight each | Order Code KEN-582 |
|---|---|---|---|
| 240mm | 72 | 430 | -6422K |

| To suit Ratchet Number | Weight each | Order Code KEN-582 |
|---|---|---|
| KEN-582-6400K | 130g | -6740K |
| KEN-582-6412K/-6422K | 140g | -6725K |

## KENNEDY Pro. Push Through Rubber Handle

½ A very economic wrench with a one way ratchet. Push through square drive allows left and right hand operation.

| Overall Length | Number of Teeth | Weight each | Order Code KEN-582 |
|---|---|---|---|
| 270mm | 30 | 500g | -6430K |

## KENNEDY Pro. Lever Reversible Steel Handle

½ Fully chromed all steel handle with thumb lever for reversing without having to remove the socket or accessory.

| Overall Length | Number of Teeth | Weight each | Order Code KEN-582 |
|---|---|---|---|
| 250mm | 72 | 510g | -6412K |

## KENNEDY Pro. Push Through Steel Handle - Gearless

½ Chrome - molybdenum with mirror polished finish. Push through square drive, needs only 3% movement to operate gearless ratchet.

| Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|
| 250mm | 470g | -6435K |

## KENNEDY Pro. TX Sockets

Chrome vanadium. For use with male headed TX fasteners commonly found in the automotive industry. 29mm overall length and each weighing 45g.

| Size | Order Code KEN-582 |
|---|---|
| E6 | -5960K |
| E8 | -5962K |
| E10 | -5964K |
| E12 | -5966K |
| E14 | -5968K |
| E16 | -5970K |

## YAMOTO INDUSTRIAL SOCKET SETS Rubber Ratchet Handle

½ Fully chromed all steel handle with thumb lever for reversing without having to remove the socket or accessory. 72 tooth ratchet.

### Ratchet Repair Kits

| To suit Ratchet Number | Order Code YMT-582 |
|---|---|
| YMT-582-6414K | -6415K |

## KENNEDY Pro. Lever Reversible Steel Handle Flexi-Joint

½ Fully chromed lever type. All steel handle. The hinged joint gives additional capability in areas of restricted access.

| Type | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| Standard | 420 | 860g | -6370K |
| Stubby | 198 | 110g | -6375K |

# SOCKETS & ACCESORIES - ½" SQUARE DRIVE



## KENNEDY Pro. Disc Type Steel Handle

½ Basic wrench with high polished finish. Fitted with spring loaded ball bearing socket retainer.

| Product Number | Number of Teeth | Order Code **KEN-582** |
|---|---|---|
| 245mm | 44 | **-6400K** |

## KENNEDY Pro. Universal Joint

½ Hinged through 180° in both directions. Knurled for extra grip.

| Drive M x F | Overall Length | Order Code **KEN-582** |
|---|---|---|
| ½" x ½" | 75mm | **-6580K** |

## SENATOR QUALITY TOOLING Rubber Ratchet Handle

½ Chrome vanadium. Rubber grip, 72 tooth ratchet. With thumb lever for reversing. Quick release.

| Overall Length | Number of Teeth | Order Code **SEN-582** |
|---|---|---|
| 245mm | 72 | **-6410K** |

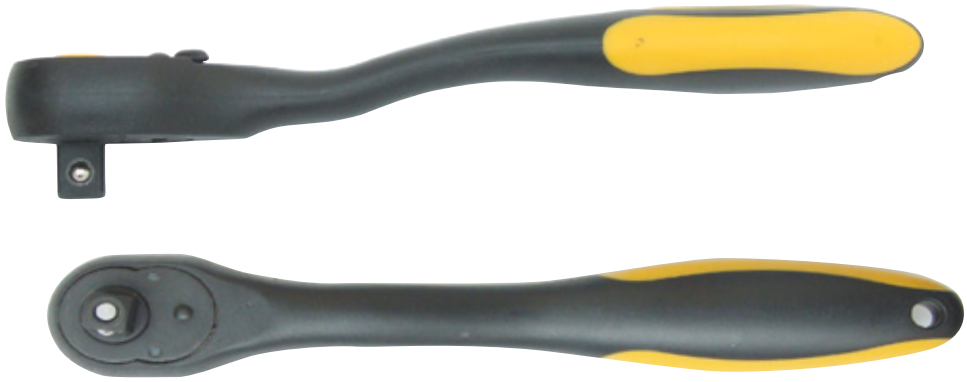
## SENATOR QUALITY TOOLING Ratchet Repair Kits

½ Manufactured from chrome vanadium steel and is finished with a rubber handle grip.

| To suit Ratchet Number | Order Code **SEN-582** |
|---|---|
| SEN - 582 - 6410K | **-6415K** |

## YAMOTO INDUSTRIAL SOCKET SETS Composite Ratchet Handle

½ Reverse lever, push button quick release. Offset handle. Manufactured from composite material.



| Overall Length | Number of Teeth | Order Code **YMT-582** |
|---|---|---|
| 250mm | 72 | **-7512K** |

# SOCKETS & ACCESSORIES - ½" SQUARE DRIVE



## KENNEDY Pro Speed Braces

½ Rubber grip, for fast nut spinning. Manufactured from high quality chrome vanadium, fully polished finish. Ideal for nut spinning.

Page 443

Steel Grip

| Handle Type | Overall Length | Order Code KEN-582 |
|---|---|---|
| Rubber Grip | 400mm | -6560K |
| Steel Grip | 425mm | -6600K |

## YAMOTO INDUSTRIAL SOCKET SETS Sliding 'T' Handle

½ Manufactured from high quality chrome vanadium with a fully polished finish. The sliding bar will give many options for leverage within a given space.

| Overall Length | Order Code YMT-582 |
|---|---|
| 250mm | -6370K |

## KENNEDY Pro Sliding 'T' Handle

½ Manufactured from high quality chrome vanadium with a fully polished finish. The sliding bar will give many options for leverage within a given space.

| Overall Length | Order Code KEN-582 |
|---|---|
| 250mm | -6440K |

## KENNEDY Pro Extension Bars

½ Manufactured from high quality chrome vanadium with a fully polished finish. All with knurled 'finger grip'.

**Standard**

| Overall Length | Order Code KEN-582 |
|---|---|
| 75mm | -6460K |
| 125mm | -6480K |
| 250mm | -6500K |
| 375mm | -6520K |
| 450mm | -6530K |

## YAMOTO INDUSTRIAL SOCKET SETS Extension Bars

½ Chrome finish. Designed to allow you to reach areas that would otherwise be inaccessible, these standard length 1/2in.

**Standard**

| Overall Length | Order Code YMT-582 |
|---|---|
| 75mm | -6460K |
| 125mm | -6480K |
| 250mm | -6500K |

## KENNEDY Pro Wobble

In areas where clearance may be a problem the 'wobble' square drive can be used at an angle of up to 15°.

| Overall Length | Order Code KEN-582 |
|---|---|
| 75mm | -6630K |
| 125mm | -6640K |
| 250mm | -6660K |

# SOCKETS & ACCESORIES - ½" SQUARE DRIVE



## KENNEDY Pro. Swivel Handles

½ The hinged link allows operation at varied angles to aid access in restricted areas.

**American Grip**

**American Grip - Heavy Duty**

| Grip | Overall Length | Order Code KEN-582 |
|---|---|---|
| Rubber | 300mm | -6570K |
| American | 375mm | -6540K |
| American | 450mm | -6550K |
| | **Heavy Duty** | |
| American | 450mm | -6545K |
| American | 600mm | -6555K |
| | **Service Parts** | |
| Replacement Knuckle | | -6548K |

## YAMOTO INDUSTRIAL SOCKET SETS Swivel Handles

½ With hinged link and rubber grip.

| Overall Length | Order Code YMT-582 |
|---|---|
| 300mm | -6570K |
| 380mm | -6575K |

## KENNEDY Pro. Offset Fixed Handle

½ Knurled grip. Chrome vanadium. Fixed wrench for applications requiring rigid set up.

| Overall Length | Order Code KEN-582 |
|---|---|
| 200mm | -6590K |

# SOCKETS & ACCESORIES - ½" SQUARE DRIVE



## Bi-Hexagon Standard Length Sockets

KENGRIP®

KENNEDY Pro™

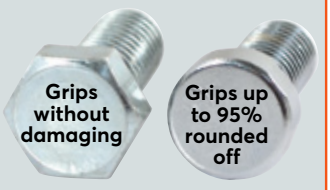
| Type | Size | Overall Length | Weight each | Order Code KEN-582 | Order Code KEN-582 |
|---|---|---|---|---|---|
| Metric | 8mm | 36 | 50g | -6871K | -6900K |
| | 9mm | 37 | 50g | -6872K | -6910K |
| | 10mm | 37 | 50g | -6873K | -6920K |
| | 11mm | 37 | 50g | -6874K | -6930K |
| | 12mm | 37 | 50g | -6875K | -6940K |
| | 13mm | 37 | 50g | -6876K | -6950K |
| | 14mm | 37 | 50g | -6877K | -6960K |
| | 15mm | 37 | 60g | -6878K | -6970K |
| | 16mm | 37 | 60g | -6879K | -6980K |
| | 17mm | 37 | 60g | -6880K | -6990K |
| | 18mm | 37 | 80g | -6881K | -7000K |
| | 19mm | 37 | 70g | -6882K | -7010K |
| | 20mm | 37 | 80g | -6883K | -7020K |
| | 21mm | 37 | 70g | -6884K | -7030K |
| | 22mm | 37 | 90g | -6885K | -7040K |
| | 23mm | 37 | 110g | -6886K | -7050K |
| | 24mm | 37 | 110g | -6887K | -7060K |
| | 25mm | 40 | 150g | -6888K | -7070K |
| | 26mm | 40 | 140g | -6889K | -7080K |
| | 27mm | 40 | 170g | -6890K | -7090K |
| | 28mm | 40 | 170g | -6891K | -7100K |
| | 29mm | 40 | 170g | -6892K | -7110K |
| | 30mm | 45 | 210g | -6893K | -7120K |
| | 32mm | 45 | 230g | -6895K | -7130K |
| | 33mm | 45 | 230g | -6898K | -7140K |
| | 36mm | 45 | 245g | -6899K | -7150K |
| AF | 5/16" | 37 | 50g | | -7160K |
| | 3/8" | 37 | 50g | | -7170K |
| | 7/16" | 37 | 50g | | -7180K |
| | 1/2" | 37 | 50g | | -7190K |
| | 9/16" | 37 | 50g | | -7200K |
| | 19/32" | 37 | 60g | | -7210K |
| | 5/8" | 37 | 60g | | -7220K |
| | 11/16" | 37 | 60g | | -7230K |
| | 3/4" | 37 | 70g | | -7240K |
| | 13/16" | 37 | 80g | | -7250K |
| | 7/8" | 40 | 90g | | -7260K |
| | 15/16" | 40 | 110g | | -7270K |
| | 1" | 40 | 130g | | -7280K |
| | 11/16" | 40 | 160g | | -7290K |
| | 11/8" | 40 | 170g | | -7300K |
| | 13/16" | 45 | 200g | | -7310K |
| | 11/4" | 45 | 230g | | -7320K |
| Whit | 1/8" | 37 | 50g | | |
| | 3/16" | 37 | 50g | | |
| | 1/4" | 37 | 50g | | |
| | 5/16" | 37 | 60g | | |
| | 3/8" | 37 | 50g | | |
| | 7/16" | 37 | 70g | | |
| | 1/2" | 40 | 90g | | |
| | 9/16" | 40 | 140g | | |
| | 5/8" | 40 | 170g | | |
| | 11/16" | 45 | 220g | | |
| | 3/4" | 45 | 220g | | |

KENGRIP®

**Patented Design**

Conform to **DIN3124**.

**½" Square Drive**




Pages **441, 447, 450, 453**

## KENNEDY Pro™ Single Hexagon Standard Length Sockets

Six point - offer a more positive location, particularly on worn or rounded nuts, but require a one-sixth turn to engage the next point of the socket.

| Type | Size | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|---|
| Metric | 8mm | 36 | 50g | -7346K |
| | 9mm | 37 | 50g | -7347K |
| | 10mm | 37 | 50g | -7348K |
| | 11mm | 37 | 50g | -7349K |
| | 12mm | 37 | 50g | -7350K |
| | 13mm | 37 | 50g | -7351K |
| | 14mm | 37 | 50g | -7352K |
| | 15mm | 37 | 60g | -7353K |
| | 16mm | 37 | 60g | -7354K |
| | 17mm | 37 | 60g | -7355K |
| | 18mm | 37 | 80g | -7356K |
| | 19mm | 37 | 70g | -7357K |
| | 20mm | 37 | 80g | -7358K |
| | 21mm | 37 | 70g | -7359K |
| | 22mm | 37 | 90g | -7360K |
| | 23mm | 37 | 110g | -7361K |
| | 24mm | 37 | 110g | -7362K |
| | 26mm | 40 | 140g | -7364K |
| | 27mm | 40 | 170g | -7365K |
| | 28mm | 40 | 170g | -7366K |
| | 30mm | 45 | 210g | -7368K |
| | 32mm | 45 | 230g | -7370K |
| | 36mm | 45 | 245g | -7374K |

## KENNEDY Pro™ Bi-Hexagon Deep Sockets

| Type | Size | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|---|
| Metric | 10mm | 77 | 100g | -7530K |
| | 11mm | 77 | 110g | -7540K |
| | 12mm | 77 | 110g | -7550K |
| | 13mm | 77 | 110g | -7560K |
| | 14mm | 77 | 110g | -7570K |
| | 15mm | 77 | 130g | -7580K |
| | 16mm | 77 | 120g | -7590K |
| | 17mm | 77 | 120g | -7600K |
| | 18mm | 77 | 150g | -7610K |
| | 19mm | 77 | 150g | -7620K |
| | 21mm | 77 | 160g | -7630K |
| | 22mm | 77 | 200g | -7640K |
| | 24mm | 77 | 220g | -7650K |
| | 26mm | 77 | 210g | -7660K |
| | 27mm | 77 | 250g | -7670K |
| | 30mm | 77 | 320g | -7680K |
| | 32mm | 77 | 340g | -7690K |
| AF | 1/2" | 77 | 110g | -7700K |
| | 9/16" | 77 | 100g | -7710K |
| | 5/8" | 77 | 120g | -7720K |
| | 11/16" | 77 | 110g | -7730K |
| | 3/4" | 77 | 140g | -7740K |
| | 13/16" | 77 | 160g | -7750K |
| | 7/8" | 77 | 190g | -7760K |
| | 15/16" | 77 | 220g | -7770K |
| | 1" | 77 | 200g | -7780K |
| | 11/8" | 77 | 270g | -7790K |
| | 11/4" | 77 | 390g | -7800K |

# SOCKETS & ACCESORIES - ½" SQUARE DRIVE

## KENNEDY Pro. E-TX With Sockets

½ Chrome vanadium. For use with male headed TX fasteners commonly found in the automotive industry.

| Size (Plug) | Overall Length | Order Code KEN-582 |
|---|---|---|
| E10 | 37mm | -7485K |
| E12 | 37mm | -7487K |
| E14 | 37mm | -7489K |
| E16 | 37mm | -7491K |
| E18 | 37mm | -7493K |
| E20 | 37mm | -7495K |

## KENNEDY Pro. Double Ended Lug

½ Chrome vanadium. For connecting two female square drives.

| Drive Male x Male | Order Code KEN-582 |
|---|---|
| ½" x ½" | -6750K |

## KENNEDY Pro. Hex Bit Adaptors

½ Chrome vanadium. For converting square drive tooling to use hexagon bits.

| Drive x Hex | Overall Length | Order Code KEN-582 |
|---|---|---|
| ½" x ¼" | 35mm | -6710K |
| ½" x 5/16" | 75mm | -6720K |

## KENNEDY Pro. Female/Male Converters

½ Chrome vanadium. For using a combination of square drive socket in the same application.

| Drive Female x Male | Order Code KEN-582 |
|---|---|
| ½" x ¾" | -6680K |
| ½" x ⅜" | -6700K |
| ¾" x ½" | -8120K |

## KENNEDY Pro. Spark Plug Sockets

½ Designed for insertion/ removal of spark plugs. The neoprene insert helps retain the spark plug and protect the insulation material from accidental damage. A unique double knurl gives a high grip essential for a quick tool change when hands are greasy.

| Size (Plug) | Overall Length | Order Code KEN-582 |
|---|---|---|
| M10 | 65mm | -7520K |
| M14 | 67mm | -7500K |

## Screwdriver Bits

For insertion and removal of fasteners and fixings using ½" square drive tooling.
Made from chrome vanadium steel, fully chrome plated with a mirror finish and aluminium-free.
All have ball retaining groove on each face of the square drive.
Conform to **DIN standards.**

KENNEDY Pro.

| Size | Bit Length (mm) | Overall Length (mm) | Order Code KEN-582 |
|---|---|---|---|
| **Slotted** | | | **Slotted** |
| 8mm | 20 | 55 | -7832K |
| 9mm | 20 | 55 | -7834K |
| 10mm | 20 | 55 | - |
| 12mm | 20 | 55 | -7836K |
| 14mm | 20 | 55 | -7838K |
| 16mm | 20 | 55 | -7839K |
| **Hexagon** | | | **Hexagon** |
| 4mm | 20 | 55 | -7840K |
| 5mm | 20 | 55 | -7841K |
| 6mm | 20 | 55 | -7842K |
| 7mm | 20 | 55 | -7843K |
| 7mm | 20 | 100 | -7807K |
| 8mm | 20 | 55 | -7844K |
| 10mm | 20 | 55 | -7845K |
| 12mm | 20 | 55 | -7846K |
| 14mm | 20 | 65 | -7847K |
| 17mm | 20 | 70 | -7848K |
| 19mm | 20 | 70 | -7849K |
| 3/16" | 20 | 55 | -7851K |
| ¼" | 20 | 55 | -7853K |
| 5/16" | 20 | 55 | -7854K |
| ⅜" | 20 | 55 | -7855K |
| ½" | 20 | 55 | -7856K |
| 9/16" | 20 | 55 | -7857K |
| ¾" | 20 | 70 | -7859K |
| **Crosspoint** | | | **Crosspoint** |
| No.2 | 20 | 55 | -7861K |
| No.3 | 20 | 55 | -7862K |
| No.4 | 20 | 55 | -7863K |
| **PZ** | | | **PZ** |
| No.2 | 17 | 55 | -7865K |
| No.3 | 17 | 55 | -7866K |
| No.4 | 17 | 55 | -7867K |
| **TX** | | | **TX** |
| T20 | 20 | 58 | -7870K |
| T25 | 17 | 55 | -7871K |
| T27 | 17 | 55 | -7872K |
| T30 | 17 | 55 | -7873K |
| T40 | 17 | 55 | -7874K |
| T45 | 17 | 55 | -7875K |
| T50 | 17 | 55 | -7876K |
| T55 | 17 | 55 | -7877K |
| T60 | 17 | 55 | -7878K |
| T70 | 17 | 55 | -7879K |

## KENNEDY Pro. Spline Screwdriver Bit Set

**6 Piece** set containing short bits for bolts in tight areas and long bits for accessing deep seated, tight fitted spline bolts. Handy storage rail supplied

| Description | Order Code KEN-582 |
|---|---|
| 6 Piece Set (M6-M14) | -7340K |

**Individual Bits**

| Size | Overall Length | Order Code KEN-582 |
|---|---|---|
| M6 | 55mm | -7322K |
| M8 | 55mm | -7324K |
| M8 | 100mm | -7326K |
| M10 | 100mm | -7328K |
| M12 | 100mm | -7330K |
| M14 | 100mm | -7332K |

## KENNEDY Pro Screwdriver Bit Socket Sets

Used most often in the automotive and aerospace industries. The weight to strength ratio ensures the reliability and accessibility that is so important in this type of production environment. For insertion and removal of fasteners and fixings using ½" square drive tooling. Unique knurled body gives extra grip which is essential for a quick tool change when your hands are greasy/oily. **Registered Design No. 2053516UK.** Manufactured from chrome vanadium steel and are fully chrome plated with a mirror finish and aluminium-free. All have ball retaining groove on each face of the square drive. Conform to **DIN standards**.
**Overall length:** 55mm. **Bit length:** 20mm.

**Engineer's 20 Piece Set Contents:**
**Crosspoint**
No.2, 3 and 4.
**Hexagon**
4, 5, 6, 7, 8, 10, 12, 14, 17 and 19mm, 3/16", 1/4", 5/16", 3/8", 1/2", 9/16" and 3/4".

| Weight each | Order Code KEN-582 |
|---|---|
| 1.90kg | -7880K |

**Mechanic's 20 Piece Set Contents:**
**Slotted:**
8, 9, 12, 14, and 16mm.
**TX:**
T20, T25, T27, T30, T40, T45, T50, T55 and T60.
**Crosspoint:**
No.2, 3 and 4.
**PZ**
No.2, 3 and 4.

| Weight each | Order Code KEN-582 |
|---|---|
| 2.50kg | -7890K |

## KENNEDY Pro Hexagon Bit & Bit Set Adaptor Set

½" square drive bit adaptor set contains a 10mm hex, ½" drive hand socket. Supplied in robust storage case.
**Set Contents:**
**Hexagon**
4, 5, 6, 8, 10 and 12mm.

| Weight each | Order Code KEN-582 |
|---|---|
| 2.55kg | -7900K |

## KENNEDY Pro Stud Extractor

Manufactured from chrome alloy steel with a bright nickel and chrome finish. The locking wheel has a black oxidised finish. To use, place the extractor over the stud, then fit any ½"square drive handle and turn. The locking wheel moves into place to grip the stud and then remove it. 58mm outside diameter x 65mm high.

| Range (mm) | Weight each | Order Code KEN-582 |
|---|---|---|
| 6 - 19 | 585g | -6760K |

## KENNEDY Pro Stud Puller Bit Set

½ Chrome vanadium clamping rollers grip worn or rounded fixings by compressing onto the fixing as the socket is turned, applying pressure to grip, turn and remove.
Unscrews left and right hand threads.
**Set Contents:** 6mm, 8mm, 10mm, 12mm.

| Weight each | Order Code KEN-582 |
|---|---|
| 835g | -9480K |

# SOCKETS & ACCESSORIES - ¾" SQUARE DRIVE



## KENNEDY Pro. Swivel Handle

¾ The hinged link allows operation at varied angles to aid access in restricted areas.

¾ **¾" DRIVE:** A heavy duty range designed to cope with the demands of industrial, agricultural machinery and heavy plant, static or mobile.

| Grip | Overall Length | Order Code KEN-582 |
|---|---|---|
| Knurled | 475mm | -8100K |

## KENNEDY Pro. Sliding 'T' Handle

¾ Manufactured from high quality chrome vanadium with a fully polished finish. Sliding bar gives many options for leverage within a given space.

| Overall Length | Order Code KEN-582 |
|---|---|
| 450mm | -8040K |

## KENNEDY Pro. Offset Fixed Handle

¾ Knurled grip. Chrome vanadium. Fixed wrench for applications requiring rigid set up.

| Overall Length | Order Code KEN-582 |
|---|---|
| 300mm | -8090K |

## Universal Joint

¾ Knurled for extra grip. Male x female: ¾" x ¾".

| Overall Length | Order Code KEN-582 |
|---|---|
| 110mm | -8020K |

## Drive Converters

¾ For using a combination of square sockets in one application.

| Drive F x M | Order Code KEN-582 |
|---|---|
| ¾" x 1" | -8140K |
| 1" x ¾" | -9140K |

## KENNEDY Pro. Lever Reversible Steel Handle

¾ Spring loaded ball bearing socket retainer. A high quality wrench for the professional user.

| Overall Length | Number of Teeth | Order Code KEN-582 |
|---|---|---|
| 500mm | 24 | -8000K |

## KENNEDY Pro. Disc Type Steel Handle

¾ 72 tooth reversible ratchet.

| Overall Length | Number of Teeth | Order Code KEN-582 |
|---|---|---|
| 500mm | 72 | -8045K |
| | Repair Kit | -8038K |

## KENNEDY Pro. Non-Reversible Rubber Grip Quick Release

¾ 36 tooth ratchet.

| Overall Length | Number of Teeth | Order Code KEN-582 |
|---|---|---|
| 480mm | 36 | -8050K |

## KENNEDY Pro. Extension Bars

Manufactured from high quality chrome vanadium with a fully polished finish. All with knurled 'finger grip'.

¾

| Overall Length | Order Code KEN-582 |
|---|---|
| 100mm | -8070K |
| 200mm | -8060K |
| 400mm | -8080K |

## Double Ended Lug

¾ Chrome vanadium. For use in push through ratchets and similar. Male x male: ¾" x ¾".

| Overall Length | Order Code KEN-582 |
|---|---|
| 60mm | -8130K |

## Ratchet Repair Kit

To suit ratchet number KEN-582- 8000K.

| Drive Size | Order Code KEN-582 |
|---|---|
| ¾" | -8010K |

## KENNEDY Pro. Bi-Hexagon Sockets

¾ A heavy duty range designed to cope with the demands of industrial agricultural machinery and heavy plant,static or mobile. All Kennedy® Professional sockets have a unique double knurl to give a high grip essential for a quick tool change when hands are greasy. Manufactured from chrome vanadium and fully chrome plated with a mirror finish and aluminium-free. Chamfered leading edge ensures easy fastener location. **Registered Design No. 2053516UK.**

| Size | Overall Length | Order Code KEN-582 |
|---|---|---|
| **Metric** | | |
| 22 | 50mm | -8150K |
| 24 | 50mm | -8170K |
| 26 | 50mm | -8190K |
| 27 | 50mm | -8200K |
| 29 | 50mm | -8220K |
| 30 | 53mm | -8230K |
| 32 | 55mm | -8240K |
| 33 | 55mm | -8250K |
| 36 | 55mm | -8260K |
| 38 | 60mm | -8280K |
| 41 | 60mm | -8300K |
| 46 | 60mm | -8320K |
| 50 | 70mm | -8340K |
| 55 | 70mm | -8360K |
| 60 | 70mm | -8380K |

| Size | Overall Length | Order Code KEN-582 |
|---|---|---|
| **AF** | | |
| 7/8" | 50mm | -8400K |
| 15/16" | 50mm | -8410K |
| 1" | 50mm | -8420K |
| 11/16" | 50mm | -8430K |
| 1 1/8" | 50mm | -8440K |
| 13/16" | 54mm | -8450K |
| 1 1/4" | 54mm | -8460K |
| 15/16" | 54mm | -8470K |
| 1 3/8" | 57mm | -8480K |
| 17/16" | 57mm | -8490K |
| 1 1/2" | 60mm | -8500K |
| 1 5/8" | 62mm | -8520K |
| 1 11/16" | 65mm | -8530K |
| 1 3/4" | 65mm | -8540K |
| 1 13/16" | 65mm | -8550K |
| 1 7/8" | 69mm | -8560K |
| 2" | 71mm | -8580K |

# SOCKETS & ACCESSORIES - ½" SQUARE DRIVE



KENNEDY Pro™ **1" Drive** The ultimate for high torque hand applications. Designed to give strength and reliability under heavy loads. Used extensively in heavy plant, rail, shipyard and oil rig industries.

Lever Type Steel Handle with Extension

Sliding 'T'-Handle with Extension

## Lever Type Steel Handle

1 Basic wrench with satin finish. Fitted with spring loaded ball bearing socket retainer.

| Overall Length | Number of Teeth | Order Code KEN-582 |
|---|---|---|
| 740mm | 40 | **-8980K** |

**Spares**

| Description | Order Code KEN-582 |
|---|---|
| Ratchet Repair Kit | **-8990K** |

## Sliding 'T' Handle

1 Manufactured from high quality chrome vanadium with a fully polished finish. The sliding bar will give many options for leverage within a given space.

| Overall Length | Order Code KEN-582 |
|---|---|
| 640mm | **-9020K** |

## Extensions

1 Manufactured from high quality chrome vanadium with a fully polished finish. Knurled 'finger grip'.

| Description | Overall Length | Order Code KEN-582 |
|---|---|---|
| Standard | 200mm | **-9040K** |
| Standard | 400mm | **-9060K** |

## KENNEDY Pro™ Bi-Hexagon Standard Sockets

1 Bi-hexagon. (12 point). This range of 1" (25mm) series sockets is the ultimate for high torque hand applications. The Bi-hexagon design gives strength and reliability under heavy loads. Used extensively in heavy plant, rail, shipyard and oil rig industries. The 12 point bi-hexagon side drive design gives a higher torque than normal sockets. Made from chrome vanadium and fully chrome plated with a mirror finish and aluminium-free. Chamfered leading edge ensures easy fastener location.

| Type | Size | Overall Length | Order Code KEN-582 |
|---|---|---|---|
| 1 Metric | 36mm | 65 | **-9200K** |
| | 41mm | 65 | **-9210K** |
| | 46mm | 70 | **-9220K** |
| | 50mm | 75 | **-9230K** |
| | 55mm | 80 | **-9240K** |
| | 60mm | 85 | **-9250K** |
| | 65mm | 90 | **-9260K** |
| | 70mm | 100 | **-9270K** |
| | 75mm | 100 | **-9280K** |
| | 80mm | 110 | **-9290K** |
| 1 AF | 1½" | 70 | **-9360K** |
| | 2" | 70 | **-9400K** |
| | 2¼" | 85 | **-9420K** |
| | 2⅜" | 85 | **-9430K** |
| | 2⅝" | 85 | **-9440K** |
| | 2¾" | 85 | **-9450K** |

## KENNEDY Pro Socket Rail Trays

Steel trays that comprise of 430mm rails with clips for retaining ¼" ⅜" and ½", sq. drive sockets.
Trays are fitted with carry handles and hanging holes for workshop storage.

¼" Hexagon screwdriver bit holders

SRT110

**SRT110**
**Contents:**
Powder coated tray with integral hanging slots.
30x ½" sq. drive socket clips,
30x ⅜" sq. drive socket clips,
30x ¼" sq. drive socket clips,
20x ¼" hexagon screwdriver bit holders.

| Product Number | Capacity | Order Code KEN-582 |
|---|---|---|
| SRT110 | 110 Piece | -9860K |

## KENNEDY Pro Socket Rails & Clips

Made from steel, bright chrome plated and can be fixed or loose in a toolbox, or fitted to a bench or wall.
Can be used with any size square drive socket.

**Socket Rails**

| Overall Length | Order Code KEN-582 |
|---|---|
| 220mm | -9820K |
| 420mm | -9840K |

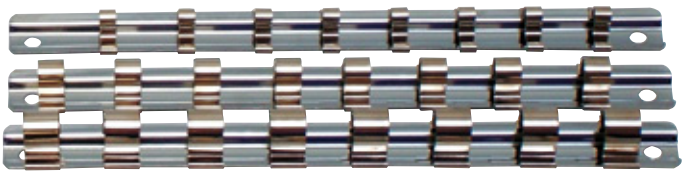
**Socket Clips**

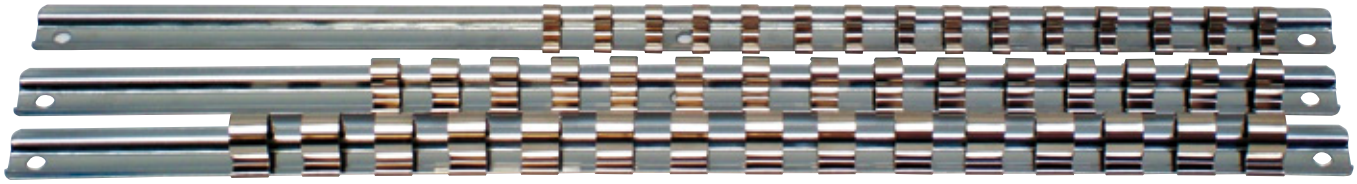
| Sq.Drive Size | Order Code KEN-582 |
|---|---|
| ¼" | -9880K |
| ⅜" | -9890K |
| ½" | -9900K |

## KENNEDY Pro Socket Racks

Socket rails and socket clips combined together.

| Sq.Drive Size | Overall Length | No of Clips | Order Code KEN-582 |
|---|---|---|---|
| ¼" | 420mm | 15 | -9920K |
| | 220mm | 8 | -9930K |
| ⅜" | 420mm | 15 | -9950K |
| | 220mm | 8 | -9960K |
| ½" | 420mm | 15 | -9980K |
| | 220mm | 8 | -9990K |





# SOCKETS & ACCESSORIES - ¼" SQUARE DRIVE



## ¼" Socket Set Selection Guide

¼" - ideal for assembly and serving of small precision mechanisms associated with electrical, electronic, ignition and refrigeration work.

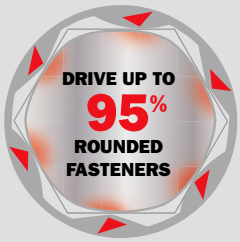
| Order Code | Pieces | Drive Size | Socket Size Range | Deep Socket Size Range | | | | | | | | | | | | | Page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KEN-582-8800K | 19 | ¼" | 4-14mm | - | • | • | • | • | | | • | | | | | • | 447 |
| KEN-582-4893K | 19 | | 4-14mm | - | • | • | • | • | | | • | | | | | • | 449 |
| KEN-582-4895K | 29 | | 4-14mm 3/16" - 9/16" AF | - | • | • | • | • | | | • | | | | | • | 449 |
| SEN-582-9020K | 41 | | 4-14mm 3/16" - 1/2" AF | - | • | • | • | • | | | • | • | | • | | | 449 |
| KEN-582-4897K | 46 | | 4-14mm | 4-14mm | • | • | • | • | • | | • | • | • | | | | 448 |
| KEN-582-4898K | 46 | | 4-14mm 3/16" - 1/2" AF | - | • | • | • | • | • | | • | • | • | | | • | 448 |
| KEN-582-4902K | 51 | | 4-14mm 3/16" - 9/16" AF | 6-14mm, 3/16" - 9/16" AF | • | • | • | • | • | | • | | • | | | • | 449 |
| SEN-582-9040K | 60 | | 4-14mm | 4-14mm | • | • | • | • | • | | • | • | • | • | | | 449 |
| KEN-582-4896K | 82 | | 4-14mm 3/16" - 1/2" AF, 0-6BA | 4-14mm | • | • | • | • | • | | • | • | • | | • | • | 448 |
| YMT-582-9200K | 24 | | 4-14mm 3/16" - 1/2" AF | 4-14mm 3/16" - 1/2" | • | • | • | • | • | | • | | • | | | • | 448 |
| KEN-582-4899K | 50 | ¼" ½" | 4-36mm | - | • | • | • | • | • | | • | | • | | | • | 448 |
| SEN-582-9500K | 120 | | 4-32mm, 4-20mm E-TX | 4-22mm | • | • | • | • | | • | • | • | | • | • | | 454 |

## CHROME Vanadium

- Grips fasteners which are up to 95% rounded off
- Will not damage worn or rusted fasteners
- Also fits a wide range of non-metric Hexagons and E-Torx® Drive Sizes
- Fully chrome plated finish for easy clean
- Unique 'Double-Knurl' for high grip
- Aluminium-free finish

KENGRIP®

**Patented Design**




## KENNEDY Pro Side Drive Socket Sets

### ¼" Square Drive 19 Piece Metric Set

**Metric Ken-Grip® Sockets:**
**4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.**

**Accessories:** ratchet handle, spinner handle, sliding T-handle, flexi-drive 145mm, universal joint, extension bar 100mm.

| Weight each | Order Code KEN-582 |
|---|---|
| 880g | -8800K |

# SOCKETS SETS - ¼" SQUARE DRIVE



KENNEDY Pro. Sockets have a knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with a mirror finish and aluminium-free. Chamfered leading edge ensures easy fastener location.
Sockets manufactured to: **ANSI B107.5M: 1987, ANSI B107.1: 1978 & BS 4006 : 1992**.

## ¼" Drive - 46 Piece Set - Metric

46 PIECES

**Standard & Deep Sockets with Screwdriver Bits**

**Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

**Deep Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

**Screwdriver Bits: Slotted** 4, 5.5, 7mm.
**Crosspoint** No.1, No.2, No.3. **Hex** 3, 4, 5, 6, 8mm.

**Accessories:**
sliding T-handle,
ratchet handle,
extension bar 50 and 150mm, wobble extension 100 and 250mm,
universal joint, jointed swivel handle 150mm,
spinner handle.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 46 | -4897K |

## ¼" Drive - 46 Piece Set - Metric, AF

46 PIECES

**Standard Sockets with Screwdriver Bits**

**Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

**AF Sockets:** 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2".

**Screwdriver Bits: Slotted** 4, 5.5mm. **Crosspoint** No.2, No.3.
**Hex** 3, 4, 5, 6, 8mm. **Hex** 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" AF.

**Accessories:** sliding T-handle,
ratchet handle,
wobble extension 50 and 150mm,
extension bars 100 and 250mm, universal joint,
jointed swivel handle 150mm, flexible extension 150mm, spinner handle.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 46 | -4898K |

## ¼" Drive - 82 Piece Set - Socket & Screwdriver Bit - Metric, AF, BA, TX

82 PIECES

**Standard & Deep Sockets with Screwdriver Bits**

**Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm. 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2" AF. 0, 1, 2, 3, 4, 5, 6BA.

**Deep Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.

**Screwdriver Bits: Slotted** 4, 5.5, 7mm. **Crosspoint** No.1, No.2, No.3, No.4. **Hex** 3, 4, 5, 6, 8mm. 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" AF.
**TZ** T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40.

**Accessories:** sliding T-handle, ratchet handle, 100, 150 and 250mm extension bars, 50 and 150mm wobble extension, 150mm flexible extension, square male adaptor 3/8", 150mm jointed swivel handle, spinner handle, universal joint.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 82 | -4896K |

## ¼" & ½" Drive - 50 Piece Set - Metric

50 PIECES

**Standard Sockets:**
4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13mm.

**Accessories:** ratchet handle, sliding T-handle, 50, 150 and 250mm extension bars, 100mm wobble extension, 150mm flexible extension, universal joint, 150mm jointed swivel handle, spinner handle.

**Sockets:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32, 36mm.

**Accessories:** quick release ratchet handle, universal joint, sliding T-handle, 375mm swivel handle, 75 and 250mm extension bars, 150mm wobble extensions.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 50 | -4899K |

## YAMOTO INDUSTRIAL SOCKET SETS ¼" Square Drive 60 Piece - Metric Socket Set

- Bi-hexagon 12 point standard and deep sockets
- Chrome vanadium steel with a mirror finish and aluminium free
- Supplied in a moulded plastic case

**Set includes:**
- 13x Standard sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 and 14mm
- 8x Standard sockets: (AF) 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 7/16" and 1/2"
- 13x Deep sockets: 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 and 14mm
- 8x Deep sockets: (AF) 3/16", 7/32", 1/4", 5/16", 11/32", 3/8", 7/16" and 1/2"

**Screwdriver socket bits:**
- 2x Crosspoint: No.2 and No.3
- 5x Hexagon: 3, 4, 5, 6 and 8mm
- 4x TX: T15, T20, T25 and T30

Plus: Sliding T-handle, quick release lever ratchet, 50 and 150mm extension bars, 150mm wobble extension, spinner handle and universal joint.

Sockets manufactured to: **ANSI B107.5M:2012.**
Accessories manufactured to: **ANSI B107.10M:2005.**

60 PIECES

| Drive Size in. | No. Peices | Order Code YMT-582 |
|---|---|---|
| 1/4 | 60 | -9220K |

# SOCKET SETS - ¼" SQUARE DRIVE



## SENATOR QUALITY TOOLING ¼" Drive - 41 Piece Set - Metric -9020K (Not Shown)

**Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14. 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" and 1/2" AF .
**Screwdriver Bits: Slotted:** 4, 5.5, 7mm. **Crosspoint:** No.1, No.2, No.3. **Hex:** 3, 4, 5, 6, 8mm.
**Accessories:** Sliding T-handle, ratchet handle, spinner handle, 50, 75 and 150mm extension bars, universal joint, hex bit adaptor.

## ¼" Drive - 60 Piece Set - Metric -9040K

**Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.
**Deep Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.
**Screwdriver Bits: Slotted:** 4, 5.5, 7mm.
**PZ:** No.1, No.2, No.3.
**Crosspoint:** No.1, No.2, No.3.
**Hex:** 2, 2.5, 3, 4, 5, 6mm.
**TX:** T6, T8, T10, T15, T20, T25, T30, T40.
**Accessories:** Sliding T-handle, ratchet handle, 50, 75 and 150mm extension bars, 50 and 150mm wobble extension, 150mm jointed swivel handle, spinner handle, universal joint. hex bit adaptor.

60 PIECES

| Number of Pieces | Order Code SEN-582 |
|---|---|
| 41 | -9020K |
| 60 | -9040K |

## KENNEDY Pro ¼" Drive - 19 Piece Set - Metric

Manufactured from chrome vanadium and are fully chrome plated with a mirror finish and aluminium-free.
Chamfered leading edge ensures easy fastener location.
Sockets made to: **ANSI B107.5M : 1987, ANSI B107.1 : 1978 & BS 4006 : 1992.**
Accessories made to: **ANSI B107.10M : 1982 & BS 4006 : 1992.**

**Metric Hex Sockets:**
**4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.**

## ¼" Drive - 29 Piece Set - Metric, AF

**Metric Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.
**AF Sockets:** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16".

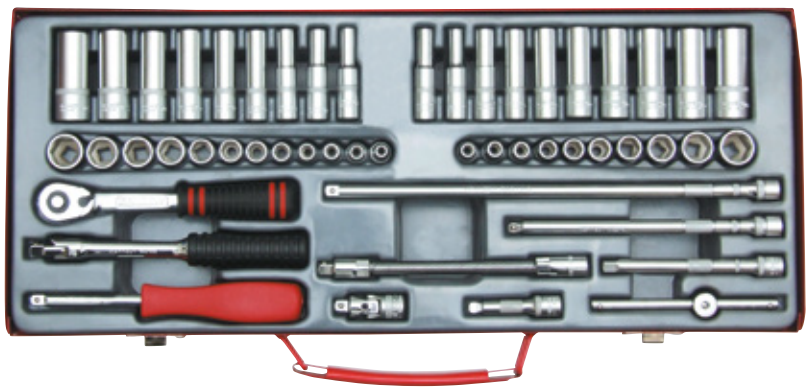
**Accessories for TS19M & TS29MA:**
ratchet handle, spinner handle, sliding T-handle, flexi-drive 145mm, universal joint, extension bar 100mm.

TS19M

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 19 | -4893K |
| 29 | -4895K |

## KENNEDY Pro ¼ Drive - 51 Piece Set - Metric, AF TSD51MA

**Standard & Deep Sockets**
**Standard Sockets (Metric):** 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm.
**Deep Sockets (Metric):** 6, 7, 8, 9, 10, 11, 12, 13, 14mm.
**Standard Sockets (AF):** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16".
**Deep Sockets (AF):** 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16".
**Accessories:** ratchet handle (rubber grip), 100mm sliding T-handle, 100 and 250mm extension bars, 50 and 150mm wobble extensions, universal joint, spinner handle, 150mm flexible extension, swivel handle rubber grip.



51 PIECES

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 3.2kg | -4902K |

# SOCKETS SETS - ⅜" SQUARE DRIVE



## ⅜" Socket Set Selection Guide

⅜ Drive - Used in the automotive and aerospace industries. The weight to strength ratio ensures the reliability and accessibility that is so important on the type of production.

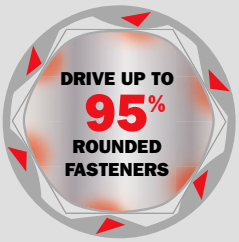
| Order Code | Pieces | Drive Size | Socket Size Range | Deep Socket Size Range | | | | | | | | | | | | Page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KEN-582-6190K | 25 | 3/8" | - | 8-22mm ⅜" - 13/16" AF | • | | • | | • | | | | | | | 451 |
| KEN-582-6170K | 30 | | 6-22mm | - | • | • | • | • | • | • | | • | • | | | 451 |
| KEN-582-6175K | 40 | | 6-22mm ¼" - ⅞" AF | - | • | • | • | • | | • | | | • | • | • | 451 |
| KEN-582-6180K | 50 | | 6-22mm | 10-22mm | • | • | • | • | • | | • | • | • | • | • | 451 |
| KEN-582-8810K | 50 | | 6-22mm | 10-22mm | • | • | • | • | • | | • | • | • | • | • | 450 |
| YMT-582-9240K | 54 | | 6-22mm | 10-22mm | • | • | • | • | • | • | • | • | • | • | | 452 |
| YMT-582-9260K | 55 | | 6-22mm ¼" - ⅞" AF | 10-22mm ⅜" - 1 3/16" AF | • | • | • | • | | • | | | • | • | | 452 |
| KEN-582-6185K | 90 | | 6-22mm ¼" - ⅞" AF ⅛" - ½" BSW | - | • | • | • | • | • | | • | • | • | • | • | 452 |

## CHROME Vanadium

- Grips fasteners which are up to 95% rounded off
- Will not damage worn or rusted fasteners
- Also fits a wide range of non-metric Hexagons and E-Torx® Drive Sizes
- Fully chrome plated finish for easy clean
- Unique 'Double-Knurl' for high grip
- Aluminium-free finish

KENGRIP®

**Patented Design**




KENNEDY®

## ⅜" Square Drive 50 Piece Metric Set

**Ken-Grip® Standard & Deep Sockets**
**Standard:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm.
**Deep:** 10, 11, 12, 13, 14, 15, 17, 19 and 22mm.

**Screwdriver Bits: Slotted** 5, 5.5 and 6.5mm.
**Crosspoint** No.1, 2, 3, 4.
**Hexagon Sockets:** 3, 4, 5, 6, 8, 10mm.

**Accessories:** ratchet handle, sliding T-handle, spinner handle, swivel handle, universal joint, 125 and 250mm extensions, 250mm wobble extensions, ¼" and ½" male adaptors, ¼" socket bitcoupler. Robust fitted case with security padlock hole and cushion grip handle.

50 PIECES

| Weight each | Order Code KEN-582 |
|---|---|
| 3.00kg | -8810K |

# SOCKETS SETS - ⅜" SQUARE DRIVE



KENNEDY Pro™ All Kennedy® professional sockets have a double knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with a mirror finish and aluminium-free. Chamfered leading edge ensures easy fastener location. Sockets manufactured to: **ANSI B107.5M: 1987, ANSI B107.1: 1978 & BS 4006 : 1992**.

## ⅜" Drive - 30 Piece Set - Socket & Screwdriver Bit - Metric

30 PIECES

**Sockets:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21 and 22mm.
**Spark Plug Sockets:** M10 and M14.

**Screwdriver Bits: Slotted** 5mm, 6mm. **Crosspoint** No.1, 2, 3, 4.

**Accessories:** ratchet handle,sliding T-handle, swivel handle, universal joint, 75mm extension bar, 150mm wobble extension, parts tray with magnetic insert. Robust fitted case with security padlock hole and cushion grip handle.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 30 | -6170K |

## ⅜" Drive - 40 Piece Set - Metric, AF

40 PIECES

**Metric & Inch Sockets:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm. ¼", 5/16", 11/32", ⅜", 7/16", ½", 9/16", ⅝", 11/16", ¾", 13/16" and ⅞" AF.

**Spark Plug Sockets:** M10 and M14.

**Accessories:** ratchet handle, sliding T-handle, universal joint, 75 and 150mm extension bars, 150mm wobble extension, ¼" and ½" male adaptors, ¼" hexagon coupler. Robust fitted case with security padlock hole and cushion grip handle.

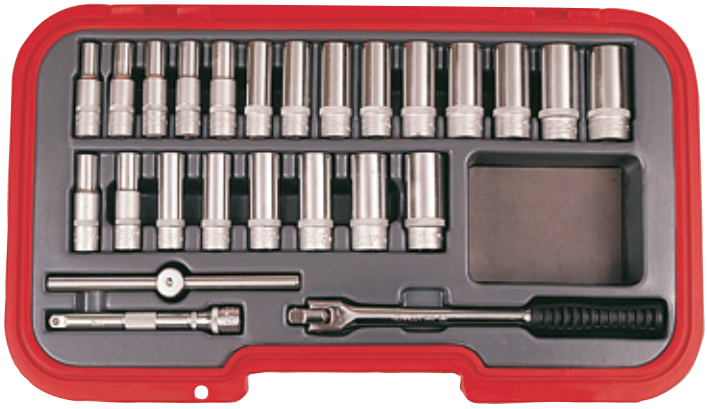
| Number of Pieces | Order Code KEN-582 |
|---|---|
| 40 | -6175K |

## ⅜" Drive - 25 Piece Set - Deep - Metric, AF

25 PIECES

**Bi-Hex Sockets Deep Sockets:**
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22mm. ⅜", 7/16", ½", 9/16", ⅝", 11/16", ¾" and 13/16" AF.

**Accessories:** swivel handle, sliding T-bar, 125mm extension. Parts tray with magnetic insert. Robust fitted case with security padlock hole and cushion grip handle.



| Number of Pieces | Order Code KEN-582 |
|---|---|
| 25 | -6190K |

## ⅜" Drive - 50 Piece Set - Socket & Screwdriver Bit - Metric

50 PIECES

**Standard & Deep Sockets**
**Standard:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm.
**Deep:** 10, 11, 12, 13, 14, 15, 17, 19 and 22mm.

**Screwdriver Bits: Slotted** 5, 5.5 and 6.5mm.
**Crosspoint** No.1, 2, 3, 4. **Hex** 3, 4, 5, 6, 8 and 10mm.

**Accessories:** ratchet handle, sliding T-handle, spinner handle, swivel handle, universal joint, 125 and 250mm extensions, 250mm wobble extensions, ¼" and ½" male adaptors, ¼" hex bit coupler. Robust fitted case with security padlock hole and cushion grip handle.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 50 | -6180K |

# SOCKETS SETS - ⅜" SQUARE DRIVE



## KENNEDY Pro. ⅜" Drive - 90 Piece Set - Socket & Screwdriver Bit - Metric, AF, BSW

**Sockets:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm. ¼", 5/16", 11/32", ⅜", 7/16", ½", 9/16", 5/8", 11/16", ¾", 13/16" and 7/8" AF. ⅛", 3/16", ¼", 5/16", ⅜", 7/16" and ½" Whit.

**Screwdriver Bits:**
**Slotted** 3/16", 7/32" and ¼". **Crosspoint** No.1, 2, 3, 4. **PZ** No.1, No.2, No.3. **TX** T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40, T45, T50. **Hex** 3, 4, 5, 6, 8, 10mm. ⅛", 5/32", 3/16", 7/32", ¼", 5/16" and ⅜" AF.

**Spark Plug Sockets:** M10 and M14.

**Accessories:** ratchet handle, sliding T-handle, spinner handle, swivel handle, universal joint. 75, 125, 150, 250, 300 and 450mm extensions, 150 and 250mm wobble extensions, ¼" and ½" male adaptors, ¼" hexagon coupler. Robust fitted case with security padlock hole a cushion grip hale.

90 PIECES

| No of Pieces | Order Code **KEN-582** |
|---|---|
| 90 | **-6185K** |

## YAMOTO INDUSTRIAL SOCKET SETS

Manufactured from industrial quality chrome vanadium steel with high polished corrosion resistant finish. The bi-hexagonal design allows a higher torque to be applied and will not round off existing nuts.

Sockets manufactured to: **ANSI B107.5M:1987**. Accessories manufactured to: **ANSI B107.10M:1982**.

## ⅜" Drive - 54 Piece Set - Metric

**Sockets:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm.
**Deep Sockets:** 10, 11, 12, 13, 14, 15, 17, 19, 22mm.
**Spark Plug Sockets:** M10 and M14.
**Screwdriver Socket Bits: Phillips:** No.1, 2, 3.
**Slotted:** 5, 6mm. **TX:** T10, T15, T20, T30, T40, T50.
**Hex:** 3, 4, 5, 6, 8, 10mm.
⅜" dr. sq. female x ¼" hex bit adaptor.

**Accessories:** lever type quick release ratchet, sliding T-handle, swivel handle, 200mm spinner handle, universal joint, 75mm and 150mm extension bars, 250mm wobble extension.

Sockets manufactured to: **ANSI B107.5M:2012**.
Accessories manufactured to: **ANSI B107.10M:2005**.

54 PIECES

| No of Pieces | Order Code **YMT-582** |
|---|---|
| 54 | **-9240K** |

## ⅜" Drive - 55 Piece Set - Metric, AF

**Sockets:** 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm.¼", 5/16", 11/32", ⅜", 7/16", ½", 9/16", 5/8", 11/16", ¾", 13/16", 7/8" AF.
**Deep Sockets:** 10, 11, 12, 13, 14, 15, 17, 19, 22mm. ⅜", 7/16", ½", 9/16", 5/8", 11/16", ¾", 13/16" AF.
**Spark Plug Sockets:** M10 and M14.
**Accessories:** lever type quick release ratchet, sliding T-handle, universal joint, 75mm and 150mm extension bars, 250mm wobble extension, ⅜"dr. sq. female x ¼" hex bit coupler.

Sockets manufactured to: **ANSI B107.5M:2012**.
Accessories manufactured to: **ANSI B107.10M:2005**.

55 PIECES

| No of Pieces | Order Code **YMT-582** |
|---|---|
| 55 | **-9260K** |

# SOCKETS SETS - ½" SQUARE DRIVE



## ½" Socket Set Selection Guide

½ Drive - Most popular drive size used in the service and maintenance industries. This popularity is due to the strength and robust nature on the ½ drive.

| Order Code | Pieces | Drive Size | Socket Size Range | Deep Socket Size Range | | | | | | | | | | | | | | | Page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KEN-582-7983K | 20 | ½" | 10-32mm | - | • | • | • | • | | • | | | | | | | | | 454 |
| SEN-582-9220K | 23 | | 10-32mm | - | • | • | • | • | | | | | | | | | | | 456 |
| KEN-582-7985K | 25 | | 8-32mm | - | • | • | • | • | | • | | | | | | | | | 454 |
| KEN-582-7991K | 30 | | 8-32mm | - | • | • | • | • | | • | | | | | | | | | 455 |
| KEN-582-8820K | 30 | | 8-32mm | - | • | • | • | • | | • | | | | | | | | | 453 |
| KEN-582-7987K | 30 | | 8-24mm, ⅜" - ⅞" AF | - | • | • | • | • | | • | | | | | | | | | 455 |
| KEN-582-7940K | 30 | | 8-32mm | - | • | • | • | • | | • | | | | | | | | | 454 |
| YMT-582-9280K | 30 | | 8-32mm | - | • | • | • | • | | • | | | | | | | | | 456 |
| KEN-582-7997K | 30 | | - | 10-32mm, ½" - 1 ¼" AF | | | | | • | | | | | | | | • | | 455 |
| SEN-582-9260K | 37 | | 10-32mm | 10-24mm | • | • | • | • | | • | | | | | | | | | 456 |
| SEN-582-9240K | 41 | | 10-27mm, ⅜" - 1 ¼" AF, ⅛" - ⅝" BSW | - | • | • | • | • | | • | | | | | | | | | 456 |
| KEN-582-7993K | 50 | | 8-36mm | - | • | • | • | • | • | • | | • | | | | | | | 457 |
| YMT-582-9320K | 50 | | 8-32mm, ⅝" - 1 ¼" AF, ⅜" - ⅝" BSW | - | • | • | • | • | • | • | | | | | | | | | 457 |
| KEN-582-7995K | 70 | | 8-36mm, ⅝" - 1 ¼" AF, ⅛" - ¾" BSW | - | • | • | • | • | • | • | | | • | • | • | | | | 457 |
| KEN-582-4899K | 50 | ¼"- ½" | 4-36mm | - | • | • | • | • | • | | • | | • | | | • | | | 448 |
| SEN-582-9500K | 120 | | 4-32mm, 4-20mm E-TX | 4-22mm | • | • | • | • | | • | • | • | | • | • | | | | 454 |

# CHROME Vanadium

- Grips fasteners which are up to 95% rounded off
- Will not damage worn or rusted fasteners
- Also fits a wide range of non-metric Hexagons and E-Torx® Drive Sizes
- Fully chrome plated finish for easy clean
- Unique 'Double-Knurl' for high grip
- Aluminium-free finish

KEN GRIP®

**Patented Design**

## ½" Drive 30 Piece Set - Metric

½ **Ken-Grip®:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22,23, 24, 25, 26, 27, 30 and 32mm.

**Spark Plug Sockets:** M10 and M14.

**Accessories:** quick release ratchet handle, sliding T-handle, universal joint, 75, 125 and 250mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.

30 PIECES

| Weight each | Order Code KEN-582 |
|---|---|
| 5.50kg | -8820K |

# SOCKETS SETS - ½" SQUARE DRIVE



KENNEDY Pro. All Kennedy® Professional sockets have a knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with a mirror finish and aluminium-free. Chamfered leading edge ensures easy fastener location. Sockets manufactured to: **ANSI B107.5M : 1987, ANSI B107.1 : 1978 & BS 4006 : 1992**.
Accessories manufactured to: **ANSI B107.10M : 1982 & BS 4006 : 1992**.

## ½" Drive - 20 Piece Set - Metric

20 PIECES

**Sockets:** 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30 and 32mm.
**Spark Plug Sockets:** M10 and M14.
**Accessories:** quick release ratchet handle, sliding T-handle, universal joint, 125 and 250mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 20 | -7983K |

## ½" Drive - 25 Piece Set - Metric

25 PIECES

**Sockets:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24, 27, 30 and 32mm.
**Spark Plug Sockets:** M10 and M14.
**Accessories:** quick release ratchet handle, sliding T-handle, universal joint, 75, 125 and 250mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 25 | -7985K |

## ½"Drive - 30 Piece Set - Metric

30 PIECES

**Sockets:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30 and 32mm.
**Spark Plug Sockets:** M10 and M14.
**Accessories:** quick release ratchet handle, universal joint, sliding T-handle, 75, 125 and 250mm extension bars. Supplied in a fitted impact-resistant plastic carry case with a cushioned handle, snap-shut clasps and padlock hasp hole.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 30 | -7940K |

## KENNEDY ½" Hex Impact Socket Set - Metric - 7 Pieces

Hub Nut Impact Socket Set - 7 Piece features extra deep sockets are (six point single hexagon) manufactured from chrome molybdenum steel with a black oxidised finish for durability and a prolonged tool lifespan. Laser etched sizing allows for easy and quick tool identification.

| Number of Points | Order Code KEN-583 |
|---|---|
| 6 | -9200K |

## SENATOR QUALITY TOOLING ¼" & ½" Drive - 120 Piece Set - Socket & Spanner - Metric

120 PIECES

**Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11,12, 13mm
**Deep Sockets:** 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10mm.
**E-Sockets:** 4, 6 and 8mm.
**Converters:** ¼" hex bit adaptor, ¼"sq. female x ⅜"dr. male converter.
**Hex Bits: Slotted:** 4, 5.5,7mm. **Crosspoint:** No.1, No.2, No.3, No.4.
**Hex:** 3, 4, 5, 6, 8mm. ⅛", 5/32", 3/16", 7/32", ¼", 5/16" AF.
**Accessories:** 50, 75, 150mm extension bars, universal joint, sliding T-bar, spinner handle, ratchet handle.

**Sockets:** 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32mm.
**Deep Sockets:** 16, 17, 18, 19, 21, 22mm.
**E-Sockets:** 16, 18 and 20mm.
**Spark Plug Sockets:** 16 and 21mm.
**Converters:** ½" sq. female x ⅜" sq. male converter, ½" sq. female x ¼" hex bit adapter.
**Accessories:** 75, 125, 250mm extensions bars, universal joint, sliding T-bar, ratchet handle.

**Bits: TX:** T6, T7, T8, T9, T10, T15, T20, T25, T27, T30, T40.
**PZ:** No.1, No.2, No.3, No.4.
**Magnetic Bit:** ¼" Hex Driver, adjustable spanner.
**Combination Spanners:** 8 - 19mm
**9 Hex Key Wrenches:** 1.5 - 10mm.

| Number of Pieces | Order Code SEN-582 |
|---|---|
| 120 | -9500K |

# SOCKETS SETS - ½" SQUARE DRIVE



KENNEDY Pro™ All Kennedy® Professional sockets have a knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with a mirror finish and aluminium-free. Chamfered leading edge ensures easy fastener location. Sockets manufactured to: **ANSI B107.5M : 1987, ANSI B107.1 : 1978 & BS 4006 : 1992**.
Accessories manufactured to: **ANSI B107.10M : 1982 & BS 4006 : 1992**.

## ½" Drive - 30 Piece Set - Metric

30 PIECES

**Sockets:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30 and 32mm.
**Spark Plug Sockets:** M10 and M14.

**Accessories:** quick release ratchet handle, sliding T-handle, universal joint, 75, 125 and 250mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 30 | -7991K |

## ½" Drive - 30 Piece Set - Metric, AF

30 PIECES

**Sockets:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22 and 24mm. 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4" and 7/8" AF.
**Spark Plug Sockets:** M10 and M14.

**Accessories:** quick release ratchet handle, sliding T-handle, universal joint, 75, 125 and 250mm extension bars. Robust fitted case with security padlock hole and cushion grip handle.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 30 | -7987K |

## ½" Drive - 30 Piece Set - Deep - Metric, AF

30 PIECES

**Sockets:** 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 26, 27, 30 and 32mm. 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/8" and 1 1/4" AF.

**Accessories:** offset handle, swivel handle. Parts tray with magnetic insert. Robust fitted case with security padlock hole and cushion grip handle.

| Number of Pieces | Order Code KEN-582 |
|---|---|
| 30 | -7997K |


PRECISION POWER FOR EVERY JOB

Do not compromise. Choose Kobe for unparalleled performance and reliability. Your projects deserve nothing less than the best.

Ready to take your work to the next level? Discover the Kobe difference today and experience excellence at your fingertips!

Power. Precision. Perfection.

KOBE™

# SOCKETS SETS - ½" SQUARE DRIVE



YAMOTO INDUSTRIAL SOCKET SETS

**½" Square Drive** Manufactured from industrial quality chrome vanadium steel with corrosion resistant high polish mirror finish, aluminium-free. The 12 point bi-hexagonal side drive sockets allow higher torques to be applied to nuts without damage and grip worn nuts. The strength and robust design of ½" drive make them suitable for the heavy use encountered in agriculture, service and maintenance industries. Sockets manufactured to: **ANSI B107.5M:1987**. Accessories manufactured to: **ANSI B107.10M:1982**.

## ½" Drive - 30 Piece Set - Metric

½

**Sockets:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30, 32mm.

**Spark Plug Sockets:**
M10 and M14.

**Accessories:** lever type quick release ratchet, sliding T-handle, universal joint, 75, 125 and 250mm extension bars.

Sockets manufactured to:
**ANSI B107.5M:2012**.
Accessories manufactured to:
**ANSI B107.10M:2005**.

30 PIECES

| No of Pieces | Order Code YMT-582 |
|---|---|
| 30 | -9280K |

## SENATOR QUALITY TOOLING ½" Drive - 37 Piece Set - Metric

½

**Sockets:** 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32mm.
**Deep sockets:** 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24mm.

**Spark Plug Sockets:**
16 and 21mm.

**Accessories:**
Sliding T-handle, ratchet handle, 75, 125, 250mm extension bars, universal joint.

37 PIECES

| No of Pieces | Order Code SEN-582 |
|---|---|
| 37 | -9260K |

## SENATOR QUALITY TOOLING ½" Drive - 23 Piece Set - Metric

½

**Sockets:** 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32mm.

**Accessories:** sliding T-handle, ratchet handle, universal joint, 125 and 250mm extension bars.

23 PIECES

| No of Pieces | Order Code SEN-582 |
|---|---|
| 23 | -9220K |

## SENATOR QUALITY TOOLING ½" Drive - 41 Piece Set- Metric, AF & BSW

½

**Sockets:** Metric 10, 11, 12, 13, 14, 15, 17, 19, 20, 21, 22, 24 and 27.
3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/4" AF.

½

1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" BSW.

**Accessories:**
100mm and 200mm extension bars, ratchet handle and sliding T-handle.

41 PIECES

| No of Pieces | Order Code SEN-582 |
|---|---|
| 41 | -9240K |

# SOCKETS SETS - ½" SQUARE DRIVE



## KENNEDY Pro™ ½" Drive - 50 Piece Set - Socket & Screwdriver Bit - Metric

**Sockets:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33 and 36mm.

**Screwdriver Bits: Crosspoint** No.2, No.3, No.4. **Hex** 4, 5, 6, 7, 8, 10, 12, 14, 17 and 19mm. **Screwdriver Bits:** 9 and 14mm

**Spark Plug Sockets:** M10 and M14.

**Accessories:** Quick release ratchet handle, sliding T-handle, swivel hale, Univerzální joint 75, 125 a 250mm extension bars. Parts tray with magnetic insert. Robust fitted case with security padlock hole a cushion grip hale.

50 PIECES

| No of Pieces | Order Code KEN-582 |
|---|---|
| 50 | -7993K |

## KENNEDY Pro™ ½" Drive - 70 Piece Set - Metric, AF, BSW

**Sockets:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32, 33 and 36mm.

5/16", 3/8", 7/16", 1/2", 9/16", 19/32", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16" and 1 1/4"AF. 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4" Whit.

**Hex Bit Adaptors:** 1/4" and 5/16".

**Spark Plug Sockets:** M10 and M14.

**Convertors:** 1/2" sq. female x 3/4" sq. male, 1/2" sq. female x 3/8" sq. male.

**Accessories:** quick release ratchet handle, sliding T-handle, swivel handle, universal joint, 75, 125, 250, and 450mm extension bars, 125 and 250mm wobble extensions. Robust fitted case with security padlock hole and cushion grip handle.

70 PIECES

| No of Pieces | Order Code KEN-582 |
|---|---|
| 70 | -7995K |

## YAMOTO INDUSTRIAL SOCKET SETS

Manufactured from industrial quality chrome vanadium steel with corrosion resistant high polish mirror finish, aluminium-free. The 12 point bi-hexagonal side drive sockets allow higher torques to be applied to nuts without damage and grip worn nuts. Sockets manufactured to: **ANSI B107.5M:1987**. Accessories manufactured to: **ANSI B107.10M:1982**.

## ½" Drive - 50 Piece Set - Metric, AF, BSW

**Sockets:** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32mm.

5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 1/4" AF.

3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8" Whit.

**Spark Plug Sockets:** M14 and M10.

**Accessories:** Quick release lever ratchet, sliding T-handle, swivel handle with rubber grip, universal joint, extension bars 125 and 250mm.

Sockets manufactured to: **ANSI B107.5M:2012**.
Accessories manufactured to: **ANSI B107.10M:2005**.

50 PIECES

| No of Pieces | Order Code YMT-582 |
|---|---|
| 50 | -9320K |

# SOCKET SETS - ¾" & 1" SQUARE DRIVE



## ¾" Socket Set Selection Guide

¾" & 1" Drive - heavy duty range designed to cope with the demands of industrial agriculture machinery and heavy plant, static or mobile.

| Order Code | Pieces | Drive Size | Socket Size Range | | | | | | | Page |
|---|---|---|---|---|---|---|---|---|---|---|
| KEN-582-8720K | 22 | ¾" | 22-60mm | • | • | • | • | • | | 458 |
| SEN-582-9320K | 26 | | 22-50mm, 7/8" - 2" AF | • | • | • | | | | 459 |
| KEN-582-8740K | 36 | | 22-50mm, 7/8" - 2" AF | • | • | • | • | | • | 459 |
| KEN-582-9470K | 15 | 1" | 36-80mm | • | • | • | | | | 459 |

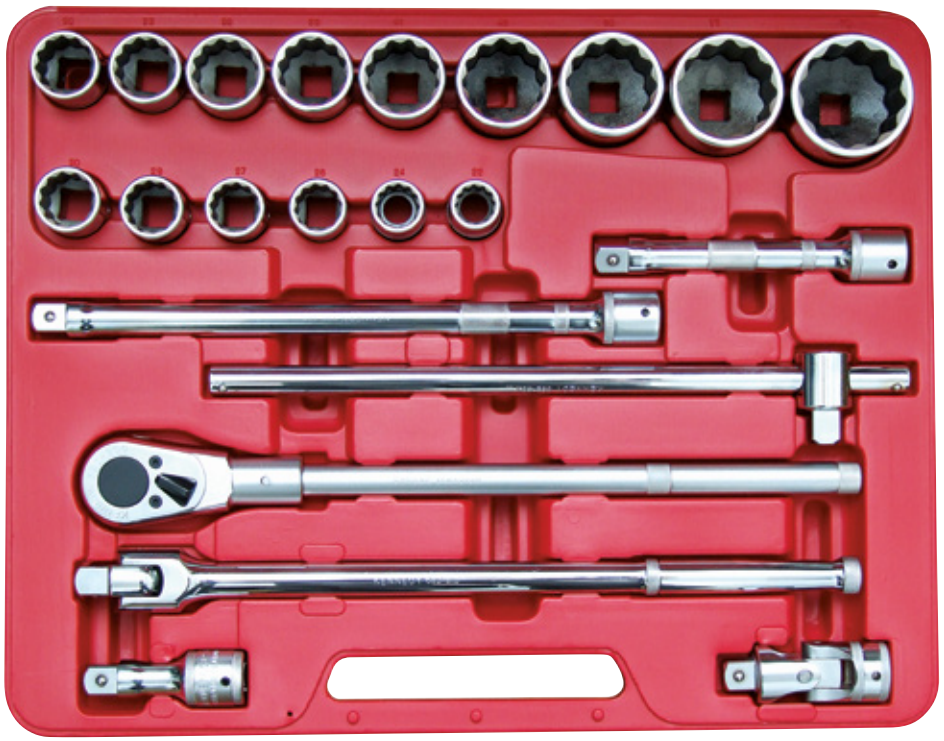
**¾" Drive** A heavy duty range designed to cope with the demands of industrial agriculture machinery and heavy plant, static or mobile. All Kennedy Professional sockets have a knurl feature to give a high grip which is essential for a quick tool change when your hands are greasy/oily. The 12 point bi-hexagon side drive design will give a higher torque than normal sockets, grip worn nuts and will not round off existing nuts. Manufactured from chrome vanadium and are fully chrome plated with a mirror finish and aluminium-free. Chamfered leading edge ensures easy fastener location.
Sockets manufactured to: **ANSI B107.5M: 1987, ANSI B107.1: 1978 & BS 4006: 1992**.
Accessories manufactured to: **ANSI B107.10M: 1982 & BS 4006: 1992**.

## ¾" - Drive - 22 Piece Set - Metric

¾

**Bi-Hexagon Sockets:**
22, 24, 26, 27, 29, 30, 32, 33, 36, 38, 41, 46, 50, 55 and 60mm.

**Accessories:** lever type ratchet, sliding T-handle, swivel handle, universal joint, 100, 200 and 410mm extension bars.
Robust fitted case with security padlock hole and cushion grip handle.



22 PIECES

| Weight each | Order Code KEN-582 |
|---|---|
| 23.8kg | -8720K |

# SOCKET SETS - ¾" & 1" SQUARE DRIVE

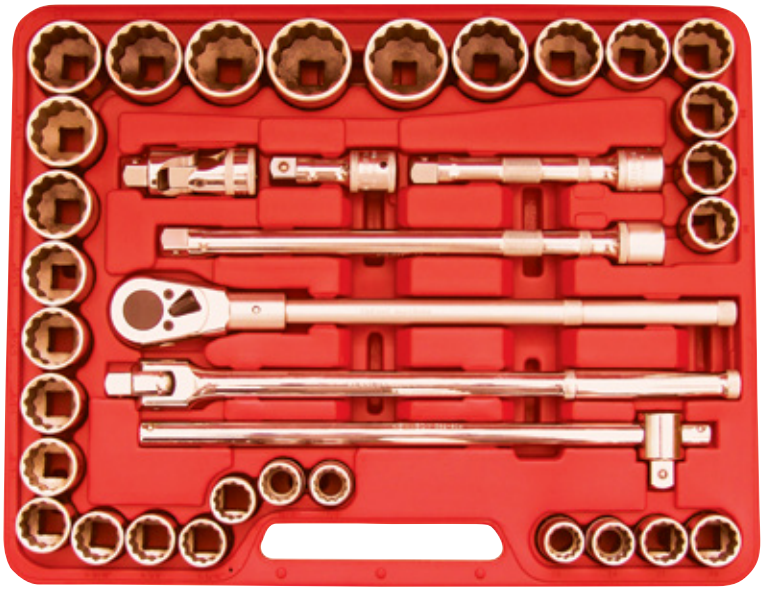


## KENNEDY Pro™ ¾" Drive - 36 Piece Set - Metric, AF

**Bi-Hexagon Sockets:**
22, 24, 27, 29, 30, 32, 33, 36, 38, 41, 46, and 50mm. 7/8", 15/16", 1", 1 1/16", 1 1/8", 1 3/16", 1 1/4", 1 5/16", 1 3/8", 1 7/16", 1 1/2", 1 5/8", 1 11/16", 1 3/4", 1 13/16", 1 7/8" and 2" AF.

**Accessories:** ratcheting head with 550mm universal handle, sliding T-handle, 1" to ¾" converter, 200 and 400mm extension bars.

36 PIECES



| No of Pieces | Order Code KEN-582 |
|---|---|
| 36 | -8740K |

## KENNEDY Pro™ 1" Drive - 15 Piece Set - Metric

**Sockets:**
36, 41, 46, 50, 55, 60, 65, 70, 75 and 80mm.
**Accessories:** ratchet and sliding T-handle, 550mm universal handle, 200 and 400mm extension bars.

15 PIECES

| No of Pieces | Order Code KEN-582 |
|---|---|
| 15 | -9470K |

## SENATOR QUALITY TOOLING ¾" Drive - 26 Piece Set - Metric, AF

**Sockets:** 22, 24, 27, 30, 32, 36, 38, 41, 46, 50mm. 7/8", 5/16", 1", 1 1/8", 1 3/16", 1 5/16", 1 3/8", 1 7/16", 1 5/8", 1 3/4", 1 7/8", 2".

**Accessories:** 100mm and 200mm extension bars, ratchet handle and sliding T-handle.

26 PIECES

| No of Pieces | Order Code SEN-582 |
|---|---|
| 26 | -9320K |

# SPANNERS - COMBINATION

## KENNEDY Pro. Swivel End Socket Wrenches

Designed to give greater flexibility and improved access when working in difficult conditions. Bi-hexagon (12 point). Manufactured from fully polished chrome vanadium steel. Conform with **ANSI B107.5M**.

| Size (mm) | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| 8 x 9 | 175 | 135g | -3670K |
| 10 x 11 | 185 | 135g | -3680K |
| 12 x 13 | 196 | 150g | -3690K |
| 14 x 15 | 220 | 200g | -3700K |
| 16 x 17 | 240 | 245g | -3710K |
| 18 x 19 | 265 | 295g | -3720K |

**Set**
**6 Piece**
**Bi-hexagon:**
8 x 9,
10 x 11,
12 x 13,
14 x 15,
16 x 17 and
18 x 19mm.

6 PIECES

| Weight each | Order Code KEN-582 |
|---|---|
| 1.40kg | -3725K |

## KENNEDY Pro. Reversible Combination Spanners

Bi-hexagonal 15° offset rings with a 72 teeth lever ratcheting system that requires only 5 degree movement to operate, making them ideal for use in tight areas. Made from high quality Chrome Vanadium Steel with mirror polish finish to prevent oil and dirt from adhering to the spanner. Conform to **ASME B107.6**.

**'Flush' fitted reversible switch enables the wrench to move in either direction without sacrificing the overall compact surface of the box end.**

**Metric**

| Size (mm) | Overall Length | Order Code KEN-582 |
|---|---|---|
| 30 | 360 | -6830K |
| 32 | 410 | -6832K |

## SENATOR QUALITY TOOLING Combination Spanners

Manufactured from forged chrome vanadium steel with satin finish and 15° cranked heads. Conform to **DIN 3113.**

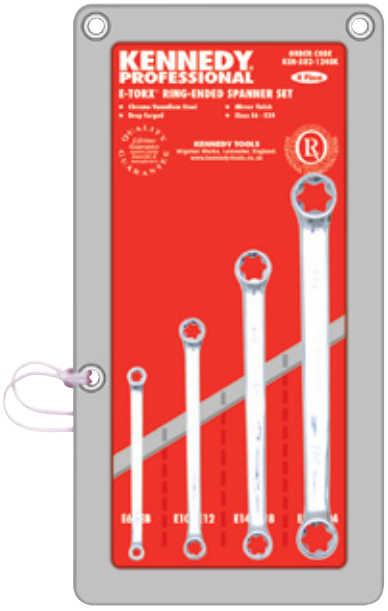
| Size (mm) | Total length | Weight | Order Code SEN-582 |
|---|---|---|---|
| 6 | 100 | 14g | -5201A |
| 9 | 130 | 33g | -5201D |
| 11 | 150 | 47g | -5201F |
| 16 | 200 | 107g | -5201L |
| 18 | 220 | 138g | -5201N |
| 20 | 240 | 185g | -5201Q |
| 25 | 295 | 330g | -5201W |
| 26 | 295 | 435g | -5201X |
| 28 | 340 | 675g | -5201Z |

## KENNEDY Pro. E-Torx® Ring Spanners

Manufactured from drop forged chrome vanadium steel. Polished finish. Set is supplied in wallet with hanging holes.

| Size | Weight each | Order Code KEN-582 |
|---|---|---|
| E6 x E8 | 16g | -1200K |
| E10 x E12 | 38g | -1210K |
| E14 x E18 | 81g | -1220K |
| E20 x E24 | 156g | -1230K |

**Set**
**4 Piece E-Torx:** E6 x E8, E10 x E12, E14 x E18 and E20 x E24mm




4 PIECES

| Weight each | Order Code KEN-582 |
|---|---|
| 440g | -1240K |

## KENNEDY® Adjustable Pin Wrench

Forged in chrome vanadium steel, the wrench is adjusted by turning the centre screw. It can be used on nuts with bolts bored on the face and is supplied with 8 interchangeable pins which are double round ended for nuts with top holes. Thread spec of all the pins is M9*1.25P

| Description | Capacity | Order Code KEN-581 |
|---|---|---|
| Adjustable Pin Wrench | 20-100mm | -1300K |
| Pins to Suit | 2.5-4mm | -1350K |
| | 6-8mm | -1360K |
| | 3-5mm | -1370K |
| | 7-9mm | -1380K |

## KENNEDY Pro™ T-Type Wrenches

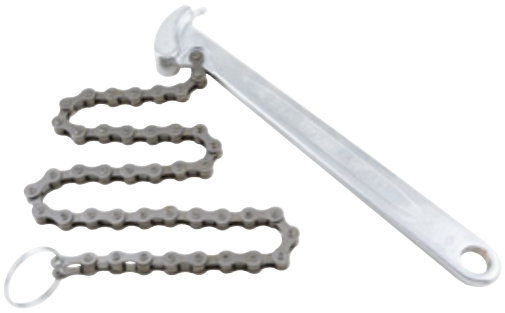
For use in restricted areas. Ideally suited to changing spark plugs as the one piece design ensures that no socket or extension bar can become stuck on the plug or drop into the engine compartment. Single hex. Manufactured from chrome vanadium steel.

| Size (mm) | Overall Length | Weight each | Order Code KEN-582 |
|---|---|---|---|
| 9 | 260 | 220g | -9660K |
| 12 | 260 | 400g | -9690K |

## KENNEDY Pro™ Strap & Chain Wrenches

Used for gripping round and irregular shaped items, tubes and piping. Ideal for oil filters, hot radiator caps and hub caps. Both types suitable for 60 - 140mm diameters.

**Chain Type:** Hardened chrome vanadium handle with heavy duty chain for a positive grip.



**Strap Type:** Hardened chrome vanadium handle with industrial strength rubber strap that will not mark or scratch workpieces.

| Type | Weight each | Order Code KEN-582 |
|---|---|---|
| Strap | 280g | -9500K |
| Chain | 430g | -9520K |

## KENNEDY® 385mm Spanner Extension Wrench

- 385mm length provides extra leverage and access to confined spaces
- Made from high-quality materials for longevity a reliable performance
- Increases the power of your existing wrenches for tough jobs

| Overall Length | Order Code KEN-582 |
|---|---|
| 385mm | -5477T |

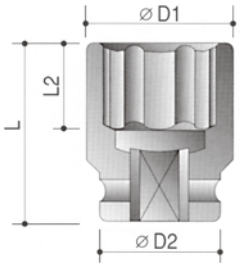
# SOCKET SETS - 1/4" & 3/8" SQUARE DRIVE



## KENNEDY Chrome Molybdenum Impact Sockets & Accessories

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

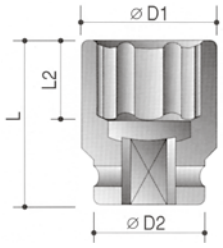
### 1/4" Drive Metric, Standard Length, 6-Point
Conform to: **DIN 3129**.



Style A Style B

| Socket (mm) | Style | Dimensions (mm) D2 | D1 | L2 | L | Order Code KEN-583 |
|---|---|---|---|---|---|---|
| 6 | A | 13.0 | 10.0 | 6.0 | 23.0 | **-8501K** |
| 7 | A | 13.0 | 11.3 | 6.0 | 23.0 | **-8502K** |
| 8 | A | 13.0 | 12.5 | 7.0 | 23.0 | **-8503K** |
| 9 | A | 13.0 | 13.8 | 7.0 | 23.0 | **-8504K** |
| 10 | A | 13.0 | 15.0 | 7.0 | 23.0 | **-8505K** |
| 11 | B | 13.0 | 16.3 | 8.0 | 23.0 | **-8506K** |
| 12 | B | 13.0 | 17.0 | 8.0 | 23.0 | **-8507K** |
| 13 | B | 13.0 | 19.0 | 13.0 | 24.0 | **-8508K** |
| 14 | B | 13.0 | 20.0 | 8.0 | 23.0 | **-8509K** |

### 3/8" Drive Metric, Standard Length, 6-Point
Conform to: **DIN 3129**.



Style A **Style AA**

Style B Style C

| Socket (mm) | Style | Dimensions (mm) D2 | D1 | L2 | L | Order Code KEN-583 |
|---|---|---|---|---|---|---|
| 6 | A | 19.0 | 11.0 | 4.0 | 30.0 | **-8514K** |
| 7 | A | 19.0 | 12.5 | 8.0 | 30.0 | **-8515K** |
| 8 | A | 19.0 | 13.8 | 8.0 | 30.0 | **-8516K** |
| 9 | A | 19.0 | 15.0 | 8.0 | 30.0 | **-8517K** |
| 10 | A | 19.0 | 16.0 | 8.0 | 30.0 | **-8518K** |
| 11 | A | 19.0 | 17.5 | 9.0 | 30.0 | **-8519K** |
| 12 | AA | 19.0 | 18.0 | 12.0 | 30.0 | **-8520K** |
| 13 | A | 22.0 | 20.0 | 9.0 | 30.0 | **-8521K** |
| 14 | A | 22.0 | 21.0 | 9.0 | 30.0 | **-8522K** |
| 15 | B | 22.0 | 22.0 | 11.0 | 30.0 | **-8523K** |
| 16 | C | 22.0 | 24.0 | 11.0 | 30.0 | **-8524K** |
| 17 | AA | 22.0 | 25.0 | 15.0 | 30.0 | **-8525K** |
| 18 | C | 22.0 | 26.0 | 11.0 | 30.0 | **-8526K** |
| 19 | C | 22.0 | 27.7 | 15.0 | 30.0 | **-8527K** |
| 21 | C | 22.0 | 30.0 | 13.0 | 30.0 | **-8529K** |
| 22 | C | 24.0 | 32.0 | 13.0 | 30.0 | **-8530K** |

### 1/4" Drive Extension Bars

| Length (mm) | Order Code KEN-583 |
|---|---|
| 50 (2") | **-9105K** |
| 100 (4") | **-9106K** |

### 3/8" Drive Extension Bars

| Length (mm) | Order Code KEN-583 |
|---|---|
| 75 (3") | **-9110K** |
| 100 (4") | **-9111K** |

## KENNEDY Impact Socket Reducer

- Manufactured from high quality chrome molybdenum steel
- Black oxidised finish with permanent laser etched markings

| Female Drive in. | Male Drive in. | Overall Length mm | Order Code KEN-583 |
|---|---|---|---|
| 1/4 | 3/8 | 32 | **-9075K** |
| 3/8 | 1/4 | 32 | **-9076K** |

# SOCKET SETS - 3/8" SQUARE DRIVE



## KENNEDY Impact Sockets

Manufactured from high quality chrome molybdenum steel.
Black oxidised finish with permanent laser etched markings.

**3/8" Drive Metric, Deep Length, 6-Point**
Conform to: **DIN 3129**.

Style A Style B Style C

| Socket (mm) | Style | Dimensions (mm) D2 | D1 | L2 | L | Order Code KEN-583 |
|---|---|---|---|---|---|---|
| 7 | A | 19.0 | 12.5 | 12.0 | 65.0 | **-8774K** |
| 8 | A | 19.0 | 13.8 | 12.0 | 65.0 | **-8775K** |
| 10 | A | 19.0 | 16.5 | 21.0 | 63.0 | **-8776K** |
| 11 | A | 19.0 | 17.5 | 25.0 | 65.0 | **-8777K** |
| 12 | B | 19.0 | 19.0 | 25.0 | 65.0 | **-8778K** |
| 13 | A | 22.0 | 20.0 | 25.0 | 65.0 | **-8779K** |
| 14 | C | 22.0 | 21.5 | 28.0 | 63.0 | **-8780K** |
| 15 | B | 22.0 | 22.0 | 25.0 | 65.0 | **-8781K** |
| 16 | C | 22.0 | 24.0 | 25.0 | 65.0 | **-8782K** |
| 17 | C | 22.0 | 25.0 | 25.0 | 65.0 | **-8783K** |
| 18 | C | 22.0 | 26.0 | 32.0 | 63.0 | **-8784K** |
| 19 | C | 22.0 | 27.7 | 32.0 | 63.0 | **-8785K** |
| 21 | C | 22.0 | 30.0 | 25.0 | 65.0 | **-8786K** |

## KENNEDY Impact Socket Set, 3/8in. Drive, 6-Point, Set of 39

**PSD39MA**

- Chrome molybdenum steel
- Black oxide
- No of points: 6
- Laser etched size
- Supplied in a impact resistant carry case

Set contains:
Standard length: metric 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm.
Standard length: A/F 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16" and 3/4".
Deep metric: 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 a 21mm.

| Size System | Order Code KEN-583 |
|---|---|
| Imperial ; Metric | **-9224K** |

## KENNEDY Hex Driver Impact Sockets 3/8" Sq. Dr.

**Hexagon sizes:**
4, 5, 6, 7, 8, 10 and 12mm.
Conforms to **DIN 3129**.

| Size (mm) | Overall Length | Order Code KEN-583 |
|---|---|---|
| 4 | 50mm | **-8889K** |
| 5 | 50mm | **-8890K** |
| 6 | 50mm | **-8891K** |
| 7 | 50mm | **-8892K** |
| 8 | 50mm | **-8893K** |
| 10 | 50mm | **-8894K** |
| 12 | 50mm | **-8895K** |

**7 Piece Set**
Contents as above.

| Overall Length mm | Order Code KEN-583 |
|---|---|
| 50 | **-9182K** |

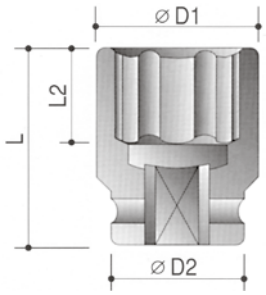
# SOCKET SETS - 1/2" SQUARE DRIVE



## KENNEDY® Chrome Molybdenum Impact Sockets

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

**½" Drive Metric, Standard Length, 6-Point**
Conform to: **DIN 3129**.



**Style A** **Style B** **Style C**

| Socket (mm) | Style | Dimensions (mm) D2 | D1 | L2 | L | Order Code KEN-583 |
|---|---|---|---|---|---|---|
| 9 | A | 25.0 | 12.0 | 12.0 | 38.0 | **-8535K** |
| 10 | A | 25.0 | 17.5 | 12.0 | 38.0 | **-8536K** |
| 11 | A | 25.0 | 18.7 | 12.0 | 38.0 | **-8537K** |
| 12 | A | 25.0 | 20.0 | 12.0 | 38.0 | **-8538K** |
| 13 | A | 25.0 | 21.0 | 12.0 | 38.0 | **-8539K** |
| 14 | A | 25.0 | 22.5 | 12.0 | 38.0 | **-8540K** |
| 16 | A | 30.0 | 25.0 | 12.0 | 38.0 | **-8542K** |
| 15 | B | 24.0 | 24.0 | 14.0 | 38.0 | **-8541K** |
| 17 | A | 30.0 | 26.0 | 13.0 | 38.0 | **-8543K** |
| 18 | A | 30.0 | 27.5 | 13.0 | 38.0 | **-8544K** |
| 19 | A | 30.0 | 28.7 | 13.0 | 38.0 | **-8545K** |
| 20 | B | 30.0 | 30.0 | 15.0 | 38.0 | **-8546K** |
| 21 | B | 30.0 | 30.0 | 15.0 | 38.0 | **-8547K** |
| 22 | C | 30.0 | 32.0 | 13.0 | 38.0 | **-8548K** |
| 23 | C | 30.0 | 32.0 | 13.0 | 38.0 | **-8549K** |
| 24 | C | 30.0 | 35.0 | 20.0 | 45.0 | **-8550K** |
| 26 | C | 30.0 | 38.0 | 22.0 | 50.0 | **-8551K** |
| 27 | C | 30.0 | 38.7 | 22.0 | 50.0 | **-8552K** |
| 28 | C | 30.0 | 40.0 | 18.0 | 42.0 | **-8553K** |
| 30 | C | 30.0 | 42.0 | 22.0 | 50.0 | **-8554K** |
| 32 | C | 30.0 | 44.0 | 28.0 | 50.0 | **-8555K** |
| 36 | C | 30.0 | 49.0 | 22.0 | 48.0 | **-8556K** |

## KENNEDY® 1/2" Hex Impact Socket Set - Metric

Standard length.
- Chrome molybdenum steel
- Black oxide
- No of points: 6
- Laser etched size
- Supplied in a impact resistant carry case
- DIN 3129

Set contains:
11x each 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 26, 27, 30 and 32mm

**18 PIECES**

| Drive Type | Order Code KEN-583 |
|---|---|
| Square | **-9215K** |

# IMPACT SOCKETS - ½" SQUARE DRIVE

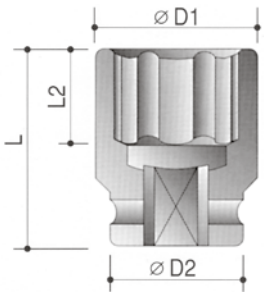


## KENNEDY Chrome Molybdenum Impact Sockets

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

**½" Drive Metric, Deep Length, 6-Point**
Conform to: **DIN 3129**.

**Style A** **Style B** **Style C**




| Socket (mm) | Style | Dimensions (mm) D2 | D1 | L2 | L | Order Code KEN-583 |
|---|---|---|---|---|---|---|
| 10 | A | 25.0 | 17.5 | 14.0 | 78.0 | **-8791K** |
| 11 | A | 25.0 | 18.7 | 14.0 | 78.0 | **-8792K** |
| 12 | A | 24.0 | 19.0 | 21.0 | 78.0 | **-8793K** |
| 13 | A | 25.0 | 21.0 | 14.0 | 78.0 | **-8794K** |
| 14 | A | 24.0 | 22.5 | 33.0 | 78.0 | **-8795K** |
| 15 | B | 24.0 | 24.7 | 34.0 | 78.0 | **-8796K** |
| 16 | A | 30.0 | 25.0 | 17.0 | 78.0 | **-8797K** |
| 17 | A | 30.0 | 26.0 | 17.0 | 78.0 | **-8798K** |
| 18 | B | 28.0 | 28.0 | 35.0 | 78.0 | **-8799K** |
| 19 | A | 30.0 | 28.7 | 19.0 | 78.0 | **-8800K** |
| 21 | B | 30.0 | 30.0 | 34.0 | 78.0 | **-8801K** |
| 22 | C | 30.0 | 32.0 | 24.0 | 78.0 | **-8802K** |
| 23 | C | 30.0 | 32.0 | 24.0 | 78.0 | **-8803K** |
| 24 | C | 30.0 | 35.0 | 24.0 | 78.0 | **-8804K** |
| 27 | C | 30.0 | 38.7 | 54.0 | 78.0 | **-8805K** |
| 28 | C | 30.0 | 40.0 | 54.0 | 78.0 | **-8806K** |
| 30 | C | 30.0 | 42.0 | 54.0 | 78.0 | **-8807K** |
| 32 | C | 30.0 | 44.0 | 54.0 | 78.0 | **-8808K** |

**½" Drive Extension Bars**

| Length (mm) | | Order Code KEN-583 |
|---|---|---|
| 125 | (5") | **-9116K** |
| 150 | (6") | **-9117K** |
| 250 | (10") | **-9118K** |
| 300 | (12") | **-9119K** |

**7 Piece Set - Deep Metric**
10, 13, 14, 17, 19, 24 and 30mm.

| Weight each | Order Code KEN-583 |
|---|---|
| 2.20kg | **-9220K** |

## KENNEDY Impact Universal Ball Joint

- Manufactured from high quality chrome molybdenum steel
- Black oxidised finish with permanent laser etched markings for quick and easy selection

| Male Drive x Female Drive | Overall Length mm | Order Code KEN-583 |
|---|---|---|
| ½" x ½" | 602.20kg | **-9154K** |

# IMPACT SOCKETS - 1/2" SQUARE DRIVE



## KENNEDY Impact Wheel Nut Sockets

½ **Socket sizes:** 17, 19 and 21mm.
Barva coded for easy identification.
It can be used with retainer rings or pins.

| Size (mm) | Overall Length | Order Code KEN-583 |
|---|---|---|
| 17 | 85mm | -9056K |
| 19 | 85mm | -9057K |
| 21 | 85mm | -9058K |

## Impact Hexagon Bit Drivers

½ **Hexagon sizes:** 6, 7, 8, 10, 12, 14, 15, 17, 18 and 19mm.

| Size (mm) | Overall Length | Order Code KEN-583 |
|---|---|---|
| 6 | 75mm | -8992K |
| 7 | 75mm | -8993K |
| 8 | 75mm | -8994K |
| 10 | 75mm | -8995K |
| 12 | 75mm | -8996K |
| 14 | 75mm | -8997K |
| 15 | 75mm | -9001K |
| 17 | 75mm | -8998K |
| 18 | 75mm | -8999K |
| 19 | 75mm | -9000K |

## Impact TX Bit Driver Sockets

½ **TX drivers:** T40, T45, T47, T50, T55, T60 and T70.

| Size | Overall Length | Order Code KEN-583 |
|---|---|---|
| T40 | 55mm | -9028K |
| T45 | 55mm | -9029K |
| T47 | 55mm | -9027K |
| T50 | 55mm | -9030K |
| T55 | 55mm | -9031K |
| T60 | 55mm | -9032K |
| T70 | 55mm | -9033K |

## Impact TX Sockets

½

| Size | Overall Length | Order Code KEN-583 |
|---|---|---|
| E10 | 40mm | -9015K |
| E11 | 40mm | -3042K |
| E12 | 40mm | -9016K |
| E14 | 45mm | -9017K |
| E16 | 45mm | -9018K |
| E18 | 45mm | -9019K |
| E20 | 45mm | -9020K |
| E22 | 45mm | -9021K |
| E24 | 45mm | -9022K |

### 3 Piece Set

½ Contains one of each size 17, 19 and 21mm.

3 PIECES

| Drive Size | Order Code KEN-583 |
|---|---|
| ½ | -9197K |

### 9 Piece Set

½

- Manufactured from the highest quality chrome molybdenum steel for optimum durability
- Sockets are clearly etched with the size for easy and rapid identification

**Socket sizes:** 10, 12, 13, 14, 17, 19, 24, 27, 30mm

9 PIECES

| Drive Size | Order Code KEN-583 |
|---|---|
| ½ | -9210K |

### 10 Piece Set

½ Contains one of each size 6mm to 19mm.

10 PIECES

| Drive Size | Order Code KEN-583 |
|---|---|
| ½ | -9186K |

### 16 Piece Set

½

- Standard length sockets

Set contains:
TX driver: T40 to T70
TX sockets: E10 to E24

16 PIECES

| Number of Points | Drive Type | Order Code KEN-583 |
|---|---|---|
| 6 | 1/2 | -9190K |

# IMPACT SOCKETS - ¾" SQUARE DRIVE



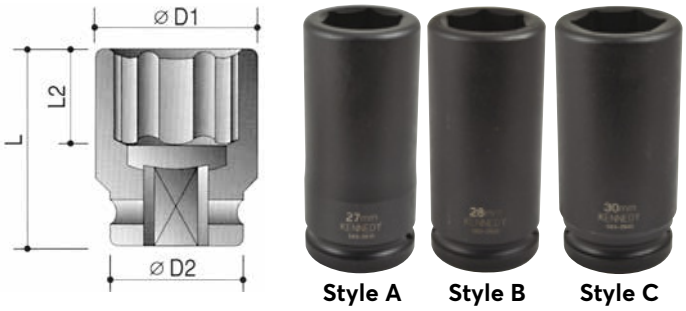
## KENNEDY Chrome Molybdenum Impact Sockets

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

**¾" Drive Metric, Standard Length, 6-Point**
Conform to: **DIN 3129**.

| Socket (mm) | Style | Dimensions (mm) D2 | D1 | L2 | L | Order Code KEN-583 |
|---|---|---|---|---|---|---|
| 17 | A | 38.0 | 30.0 | 17.0 | 51.0 | **-8560K** |
| 18 | A | 38.0 | 31.0 | 17.0 | 51.0 | **-8561K** |
| 19 | A | 44.0 | 33.0 | 13.0 | 50.0 | **-8562K** |
| 20 | A | 40.0 | 33.0 | 18.0 | 51.0 | **-8563K** |
| 21 | A | 40.0 | 35.0 | 18.0 | 51.0 | **-8564K** |
| 22 | A | 44.0 | 37.0 | 15.0 | 50.0 | **-8565K** |
| 23 | B | 40.0 | 40.0 | 18.0 | 51.0 | **-8566K** |
| 24 | A | 44.0 | 39.0 | 16.0 | 50.0 | **-8567K** |
| 25 | A | 44.0 | 40.0 | 16.0 | 50.0 | **-8568K** |
| 26 | A | 44.0 | 41.0 | 16.0 | 50.0 | **-8569K** |
| 27 | B | 40.3 | 40.3 | 18.0 | 54 | **-8570K** |
| 28 | B | 44.0 | 44.0 | 19.0 | 54.0 | **-8571K** |
| 29 | C | 44.0 | 45.0 | 21.0 | 54.0 | **-8572K** |
| 30 | C | 44.0 | 47.0 | 21.0 | 54.0 | **-8573K** |
| 32 | C | 44.0 | 49.0 | 22.0 | 56.0 | **-8574K** |
| 33 | C | 44.0 | 50.0 | 20.0 | 57.0 | **-8575K** |
| 34 | C | 44.0 | 52.0 | 22.0 | 56.0 | **-8576K** |
| 35 | C | 44.0 | 53.0 | 22.0 | 56.0 | **-8577K** |
| 36 | C | 44.0 | 54.0 | 20.0 | 57.0 | **-8578K** |
| 38 | C | 44.0 | 57.0 | 25.0 | 58.0 | **-8579K** |
| 41 | C | 44.0 | 60.0 | 24.0 | 58.0 | **-8580K** |
| 42 | C | 44.0 | 62.0 | 27.0 | 58.0 | **-8581K** |
| 46 | C | 44.0 | 67.0 | 30.0 | 63.0 | **-8582K** |
| 47 | C | 44.0 | 68.0 | 28.0 | 68.0 | **-8583K** |
| 50 | C | 54.0 | 71.0 | 32.0 | 72.0 | **-8584K** |

**¾" Drive Metric, Deep Length, 6-Point**
Conform to: **DIN 3129**.




| Socket (mm) | Style | Dimensions (mm) D2 | D1 | L2 | L | Order Code KEN-583 |
|---|---|---|---|---|---|---|
| 17 | A | 38.0 | 30.0 | 37.0 | 90.0 | **-8813K** |
| 18 | A | 44.0 | 32.0 | 18.0 | 95.0 | **-8814K** |
| 19 | A | 38.0 | 32.0 | 37.0 | 90.0 | **-8815K** |
| 21 | A | 40.0 | 35.0 | 37.0 | 90.0 | **-8816K** |
| 22 | A | 44.0 | 37.0 | 22.0 | 95.0 | **-8817K** |
| 24 | A | 44.0 | 39.0 | 24.0 | 95.0 | **-8818K** |
| 25 | A | 44.0 | 40.0 | 25.0 | 95.0 | **-8819K** |
| 26 | A | 44.0 | 41.0 | 26.0 | 95.0 | **-8820K** |
| 27 | B | 40.3 | 40.3 | 36.0 | 90.0 | **-8821K** |
| 28 | B | 44.0 | 44.0 | 28.0 | 95.0 | **-8822K** |
| 30 | C | 44.0 | 47.0 | 30.0 | 95.0 | **-8823K** |
| 32 | C | 44.0 | 49.0 | 32.0 | 95.0 | **-8824K** |
| 33 | B | 44.0 | 50.0 | 37.0 | 90.0 | **-8825K** |
| 34 | B | 44.0 | 52.0 | 38.0 | 90.0 | **-8826K** |
| 36 | B | 44.0 | 54.0 | 50.0 | 90.0 | **-8827K** |
| 38 | B | 44.0 | 56.0 | 50.0 | 90.0 | **-8828K** |
| 41 | C | 44.0 | 60.0 | 38.0 | 95.0 | **-8829K** |
| 42 | B | 44.0 | 62.0 | 48.0 | 90.0 | **-8830K** |
| 46 | C | 44.0 | 67.0 | 38.0 | 95.0 | **-8831K** |
| 47 | C | 44.0 | 68.0 | 38.0 | 95.0 | **-8832K** |

# IMPACT SOCKETS - ¾" & 1" SQUARE DRIVE



## KENNEDY® Chrome Molybdenum Impact Sockets

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

### Universal Ball Joint

| Male Drive x Female Drive | Order Code KEN-583 |
|---|---|
| ¾" x ¾" | -9159K |

### Impact Reducer, 1in. Male x 3/4in. Female, Square Drive

- Manufactured from high quality chrome molybdenum steel
- Black oxidised finish with permanent laser etched markings for quick and easy selection

| Male Drive x Female Drive | Order Code KEN-583 |
|---|---|
| ¾" x 1" | -9081K |

### Retaining Rings

Supplied with pins

| To Suit Outside Dia. | Square Drive | Order Code KEN-583 |
|---|---|---|
| 48 - 54mm | ¾" | -8040K |
| 46 - 58mm | 1" | -8120K |
| 78 - 86mm | 1" | -8150K |

### 7 Piece Set - Metric

Standard length: 19, 24, 27, 30, 32, 36 and 46mm.

7 PIECES

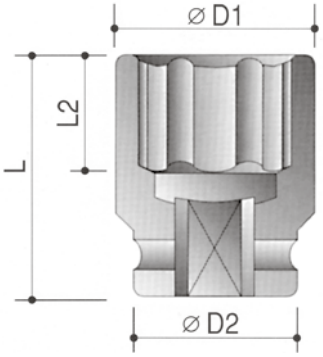
| Drive Size | Order Code KEN-583 |
|---|---|
| 3/4 | -9204K |

### ¾" Drive Extension Bars

| Length (mm) | Order Code KEN-583 |
|---|---|
| 100 (4") | -9124K |
| 150 (6") | -9125K |
| 250 (10") | -9126K |
| 300 (12") | -9127K |
| 400 (15¾") | -9128K |

### 1" Drive Metric, Standard Length, 6-Point

Conform to: **DIN 3129**.



Style A



Style AA

Style B

Style C

| Socket (mm) | Style | Dimensions (mm) D2 | D1 | L2 | L | Order Code KEN-583 |
|---|---|---|---|---|---|---|
| 21 | A | 54.0 | 38.0 | 15.0 | 60.0 | -8589K |
| 22 | A | 54.0 | 40.0 | 15.0 | 60.0 | -8590K |
| 24 | A | 54.0 | 42.0 | 18.0 | 60.0 | -8591K |
| 27 | AA | 50.0 | 46.0 | 17.0 | 58.0 | -8594K |
| 28 | A | 54.0 | 47.0 | 19.0 | 62.0 | -8595K |
| 30 | B | 52.0 | 52.0 | 18.0 | 62.0 | -8597K |
| 32 | B | 52.0 | 52.0 | 19.0 | 62.0 | -8598K |
| 33 | B | 52.0 | 52.0 | 18.0 | 62.0 | -8599K |
| 34 | B | 54.0 | 55.0 | 22.0 | 62.0 | -8600K |
| 36 | C | 54.0 | 56.0 | 19.0 | 65.0 | -8602K |
| 38 | C | 54.0 | 58.0 | 31.0 | 65.0 | -8604K |
| 41 | B | 54.0 | 63.0 | 27.0 | 70.0 | -8605K |
| 42 | B | 54.0 | 65.0 | 27.0 | 74.0 | -8606K |
| 46 | B | 54.0 | 70.0 | 30.0 | 76.0 | -8607K |
| 48 | C | 54.0 | 70.0 | 35.0 | 72.0 | -8609K |
| 50 | B | 54.0 | 75.0 | 35.0 | 80.0 | -8610K |
| 52 | B | 54.0 | 77.0 | 35.0 | 84.0 | -8611K |
| 55 | C | 54.0 | 80.0 | 43.0 | 83.0 | -8612K |
| 56 | B | 54.0 | 82.0 | 40.0 | 84.0 | -8613K |
| 60 | C | 54.0 | 86.0 | 45.0 | 87.0 | -8614K |
| 65 | C | 54.0 | 92.0 | 49.0 | 90.0 | -8615K |
| 70 | C | 54.0 | 97.0 | 51.0 | 93.0 | -8616K |
| 75 | C | 86.0 | 104.0 | 55.0 | 95.0 | -8617K |
| 80 | C | 86.0 | 112.0 | 55.0 | 95.0 | -8618K |
| 85 | C | 86.0 | 115.0 | 60.0 | 100.0 | -8619K |
| 90 | C | 86.0 | 124.0 | 65.0 | 105.0 | -8620K |
| 95 | C | 86.0 | 130.0 | 50.0 | 105.0 | -8621K |

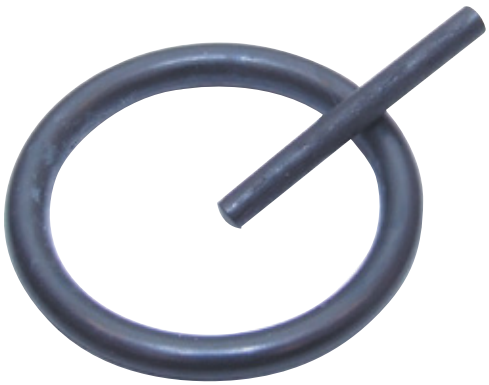
# IMPACT SOCKETS - ¾" & 1/2" SQUARE DRIVE



## KENNEDY Chrome Molybdenum Impact Sockets

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

**Retaining Rings**
Supplied with pins

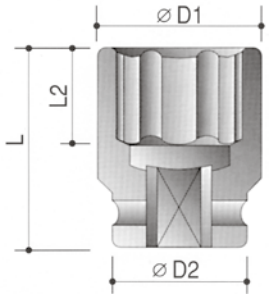


| Pin Size | Size | Order Code **KEN-583** |
|---|---|---|
| 17-48mm | 3/4" | **-8020K** |

**½" Drive Extension Bars**

| Length (mm) | Order Code **KEN-583** |
|---|---|
| 380 (15") | **-7560K** |

**1" Drive Metric, Standard Length, 6-Point**
Conform to: **DIN 3129**.



**Style A**

**Style B**

**Style AA**

**Style C**

| Socket (mm) | Style | Dimensions (mm) | | | | Order Code **KEN-583** |
|---|---|---|---|---|---|---|
| | | D2 | D1 | L2 | L | |
| 25 | A | 54.0 | 43.0 | 18.0 | 60.0 | **-8592K** |
| 26 | A | 54.0 | 44.5 | 18.0 | 60.0 | **-8593K** |
| 29 | A | 54.0 | 48.0 | 19.0 | 62.0 | **-8596K** |
| 35 | B | 54.0 | 55.0 | 22.0 | 62.0 | **-8601K** |
| 37 | B | 54.0 | 59.0 | 25.0 | 67.0 | **-8603K** |
| 47 | B | 54.0 | 71.5 | 32.0 | 76.0 | **-8608K** |
| 100 | B | 95.0 | 137.0 | 58.0 | 115.0 | **-8622K** |
| 20 | C | 22.0 | 28.0 | 12.0 | 30.0 | **-1380K** |

# IMPACT SOCKETS - 1" & 1½" SQUARE DRIVE

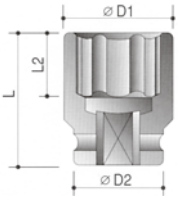


## KENNEDY® Chrome Molybdenum Impact Sockets & Accessories

Manufactured from high quality chrome molybdenum steel. Black oxidised finish with permanent laser etched markings.

### 1" Drive Metric, Deep Length, 6-Point

Conform to: **DIN 3129**.



Style A

Style AA

Style B

| Socket (mm) | Style | Dimensions (mm) D2 | D1 | L2 | L | Order Code KEN-583 |
|---|---|---|---|---|---|---|
| 23 | A | 54.0 | 41.0 | 23.0 | 100.0 | -8837K |
| 24 | A | 54.0 | 42.0 | 24.0 | 100.0 | -8838K |
| 27 | A | 54.0 | 46.0 | 27.0 | 100.0 | -8839K |
| 28 | A | 54.0 | 47.0 | 28.0 | 100.0 | -8840K |
| 30 | AA | 52.0 | 52.0 | 37.0 | 90.0 | -8841K |
| 32 | A | 54.0 | 52.0 | 32.0 | 100.0 | -8842K |
| 33 | AA | 52.0 | 52.0 | 37.0 | 90.0 | -8843K |
| 34 | B | 54.0 | 55.0 | 34.0 | 100.0 | -8844K |
| 36 | B | 54.0 | 56.0 | 35.0 | 90.0 | -8845K |
| 37 | B | 54.0 | 59.0 | 37.0 | 100.0 | -8846K |
| 38 | B | 54.0 | 60.0 | 38.0 | 100.0 | -8847K |
| 41 | B | 54.0 | 61.0 | 58.0 | 95.0 | -8848K |
| 42 | B | 54.0 | 65.0 | 38.0 | 100.0 | -6440K |
| 46 | B | 54.0 | 68.0 | 58.0 | 95.0 | -8850K |
| 50 | B | 54.0 | 75.0 | 38.0 | 100.0 | -8851K |
| 52 | B | 54.0 | 77.0 | 40.0 | 100.0 | -6540K |
| 55 | B | 54.0 | 80.0 | 68.0 | 105.0 | -8853K |
| 56 | B | 54.0 | 82.0 | 40.0 | 105.0 | -8854K |
| 60 | B | 54.0 | 87.0 | 42.0 | 120.0 | -8855K |
| 65 | B | 54.0 | 93.0 | 42.0 | 125.0 | -8856K |
| 70 | B | 54.0 | 100.0 | 42.0 | 125.0 | -8857K |
| 75 | B | 86.0 | 106.0 | 45.0 | 135.0 | -8858K |
| 80 | B | 86.0 | 112.0 | 48.0 | 135.0 | -8859K |

### Impact Socket Reducers - Inches

- Male drive: 1-1/2"
- Overall length: 90mm

| Female Drive in. | Male Drive in. | Order Code KEN-583 |
|---|---|---|
| ⅜ | ½ | -9077K |
| ½ | ⅜ | -9078K |
| ½ | ¾ | -9079K |
| ¾ | ½ | -9080K |
| 1 | ¾ | -9082K |
| 1 | 1½ | -9083K |

### Universal Ball Joint

| Male Drive x Female Drive | Order Code KEN-583 |
|---|---|
| 1" x 1" | -9164K |

### 1" Drive Extension Bars

| Length (mm) | Order Code KEN-583 |
|---|---|
| 100 (4") | -9133K |
| 150 (6") | -9134K |
| 200 (8") | -9135K |
| 250 (10") | -9136K |
| 300 (12") | -9137K |
| 380 (15") | -9138K |

### 7 Piece Impact Socket Set

**Socket sizes:**
27, 30, 32, 33, 36, 41 and 46mm.

7 PIECES

| Drive Type | Order Code KEN-583 | Price/1 RND |
|---|---|---|
| Square | -9193K | R_.__ |

### 1½" Drive Metric Size, Standard Length, 6-Point

Conform to: **SAE, USA Federal Standard GGG-W-660A**.

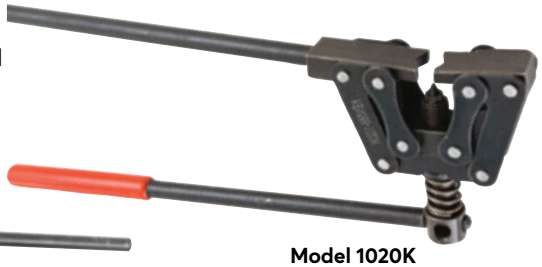
| Socket (mm) | Dimensions (mm) D2 | D1 | L2 | L | Order Code KEN-583 |
|---|---|---|---|---|---|
| 30 | 54.0 | 56.0 | 21.0 | 78.0 | -8627K |
| 32 | 86.0 | 58.0 | 22.0 | 78.0 | -8628K |
| 33 | 86.0 | 60.0 | 22.0 | 78.0 | -8629K |
| 36 | 86.0 | 64.0 | 27.0 | 75.0 | -8630K |
| 38 | 86.0 | 66.0 | 27.0 | 75.0 | -8631K |
| 41 | 86.0 | 70.0 | 28.0 | 80.0 | -8632K |
| 46 | 86.0 | 76.0 | 30.0 | 84.0 | -8633K |
| 50 | 86.0 | 81.0 | 32.0 | 87.0 | -8634K |
| 55 | 86.0 | 87.0 | 37.0 | 90.0 | -8635K |
| 60 | 86.0 | 94.0 | 39.0 | 95.0 | -8636K |
| 65 | 86.0 | 100.0 | 42.0 | 100.0 | -8637K |
| 70 | 86.0 | 106.0 | 46.0 | 105.0 | -8638K |
| 75 | 86.0 | 112.0 | 49.0 | 108.0 | -8639K |
| 80 | 86.0 | 119.0 | 53.0 | 115.0 | -8640K |
| 85 | 86.0 | 125.0 | 56.0 | 118.0 | -8641K |
| 95 | 95.0 | 137.0 | 61.0 | 123.0 | -8642K |

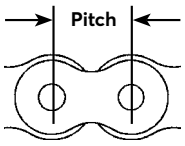
# CHAIN SEPARATORS / DRAINAGE EQUIPMENTS



## KENNEDY® Chain Separators

All steel construction, industry quality roller and bush chain separator. Designed for separating roller and bush chains that have end softened pins. To remove hardened pins the ends must first be removed by grinding. Simple to operate: Grip the chain in the self-closing jaws that also supports the chain to prevent twisting as the link pins are driven out. Then turn the T-handle to drive the pins out. Always ensure that the machine is switched off before disconnecting or connecting a chain.






**Roller Chain**
Pin, roller and bush assembly.

**Bush Chain**
Identical to roller chain, but with the omission of the roller.

**Model 1010K**
Chain: 9.525 - 15.875mm (0.375" - 0.625") pitch, to **BS & ANSI** standard.

**Model 1020K**
Chain: 19.05 - 31.75mm (0.75 - 1.25") pitch, to **BS** standard.
Chain: 19.05 - 25.40mm (0.75 - 1.00") pitch, to **ANSI** standard.

| Order Code KEN-588 |
|---|
| **-1010K** |
| **-1020K** |

## KENNEDY® Adjustable Strap Wrench

Průmyslový strength rubber strap. Strap It can be easily adjusted a used on irregular shapes.

| Capacity (mm) | Order Code KEN-588 |
|---|---|
| 15 to 150 | **-1500K** |

## KENNEDY® Chain Pipe Wrenches

For gripping tubes, piping and irregular shaped objects. The chain is looped around the object and locked on the head. The head will automatically grip in the direction of the turn and the object can be rotated. The head is double ended and fully reversible for longer tool life. Manufactured from hardened and tempered carbon steel to US specification **GG-W-651.**

| Diameter (mm) | Length (mm) | Order Code KEN-588 |
|---|---|---|
| 63 (2½") | 525 (21") | **-4540K** |
| 100 (4") | 900 (36") | **-4560K** |

## KENNEDY® Pipe Unblocker

This pipe unblocker is easy to use and comes with a corrosion-resistant body. Its 4.6m coil length makes it ideal for unblocking domestic waste/drain pipes.

| Description | Order Code KEN-588 |
|---|---|
| Pipe Cleaner 4.6m | **-6700K** |

## KENNEDY® Air Drain Test Kit

Used for testing for leaks in pipes of up to 4" water gauge.

**Contents:**
4" 'U' gauge, 9' length of tubing, hand bellows, 'Y' piece, ½" and 1" test nipple cap.

| Material | Order Code KEN-588 |
|---|---|
| Polypropylene / Rubber | **-7600K** |

## KENNEDY® Drain Test Bungs

Used to pressure test or temporarily seal the end of an open pipe which is newly laid or decommissioned, preventing the ingress of water, gases, rodents.

| Pipe Size Metric | Capacity Inch | Min/Max Operating Range | BSP Outlet | Order Code KEN-588 |
|---|---|---|---|---|
| 100 | 4" | 94-110mm | ½" | **-7500K** |
| 150 | 6" | 146-163mm | ½" | **-7510K** |
| 200 | 8" | 191-211mm | 1" | **-7520K** |
| 225 | 9" | 216-235mm | 1" | **-7530K** |
| 300 | 12" | 296-314mm | 1" | **-7540K** |

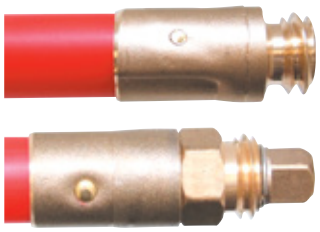
# DRAINAGE EQUIPMENT

## KENNEDY® Drain Rods

Use for cleaning and unblocking drains, pipes and sewers. A range of accessories are also available including drop scrapers, double worm screws and plungers. Manufactured from polypropylene fitted with solid brass joints securely fitted with brass rivets. Rods are strong, durable a rigid with the right amount of drain rod flexibility.

Available with two different types of joint;
**Universal:** rods fitted with this type of joint should only be rotated in a clockwise direction.

**Lockfast:** rods fitted with this type of joint can be rotated in either direction and will remain secure in the most demanding conditions.



| Type | Order Code KEN-588 |
|---|---|
| Universal | -7240K |

| Type | Order Code KEN-588 |
|---|---|
| Lockfast | -7250K |

## KENNEDY® Drain Rod Sets

13 PIECES

Use for cleaning and unblocking drains, pipes and sewers. Manufactured from polypropylene fitted with solid brass joints securely fitted with brass rivets. Rods are strong, durable and rigid with the right amount of drain rod flexibility.

**Contents:**
10x 20 x 900mm rods,
1x 100mm double worm screw,
1x 100mm plunger,
1x 100mm drop scraper,
Also supplied with two rod ties.

| Type | Order Code KEN-588 |
|---|---|
| Universal | -7200K |

| Type | Order Code KEN-588 |
|---|---|
| Lockfast | -7210K |

## KENNEDY® Drain Rod Bag

Used for carrying up to 10x 36" rods.

| Capacity | Order Code KEN-588 |
|---|---|
| 10 Rods | -7280K |

## KENNEDY® Drain Testing Dye

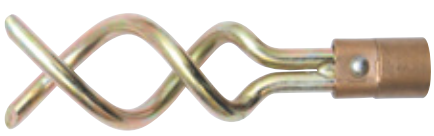
Used to locate the direction of water flow in pipes, drains etc. soluble in water.
200g jars.

| Colour | Order Code KEN-588 |
|---|---|
| Green | -7700K |
| Red | -7710K |
| Blue | -7720K |

## KENNEDY® Accessories

Available with two different type of joints:
**Universal:** rods fitted with this type of joint should only be rotated in a clockwise direction.
**Lockfast:** rods fitted with this type of joint can be rotated in either direction and will remain secure in the most demanding conditions.

**Double Worm Screw**
Pierces blockages such as paper or rags and the obstruction is drawn back to clear the pipe.



| Size | Type | Order Code KEN-588 |
|---|---|---|
| 100mm (4") | Universal | -7340K |
| 100mm (4") | Lockfast | -7350K |

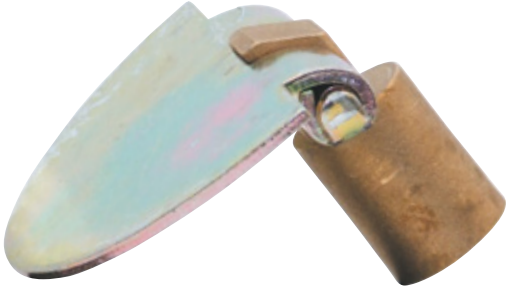
## KENNEDY® Accessories Continued

**Rubber Plunger**
Builds up pressure of water to force obstruction clear.
One piece rubber.

| Size | Type | Order Code KEN-588 |
|---|---|---|
| 100mm (4") | Universal | -7300K |
| 100mm (4") | Lockfast | -7310K |
| 150mm (6") | Universal | -7420K |
| 150mm (6") | Lockfast | -7430K |

## KENNEDY® Drop Scraper

Glides over small obstructions and drops into a vertical position to allow material to be dragged back.



| Size | Type | Order Code KEN-588 |
|---|---|---|
| 100mm (4") | Universal | -7380K |
| 100mm (4") | Lockfast | -7390K |
| 150mm (6") | Universal | -7460K |
| 150mm (6") | Lockfast | -7470K |

## KENNEDY 3-in-1 Mini Pipe Bender

Suitable for bending copper, aluminium and brass pipes.
- Pipe O/D: 6, 8 and 10mm
- Max. bend angle: 90°
- Bending method: Lever
- End type: Left/Offset/Right
- Guide material: Aluminium
- Former material: Aluminium
- Handle material: Aluminium
- Length: 242mm
- With graduate scale for partial bending

| Tube Capacity | Max Bend Angle | Overall Length mm | Order Code **KEN-588** |
|---|---|---|---|
| 6;8;10mm | 90° | 242 | **-6101K** |

## KENNEDY 3-in-1 Bender

For bending 3, 4 and 6mm diameter copper and aluminium tubes up to 90°. With a graduated scale for partial bending. Ribbed die-cast aluminium construction for lightness and strength.
**Length:** 140mm.

| Capacity (mm) | Order Code **KEN-588** |
|---|---|
| 3, 4 & 6 | **-6080K** |

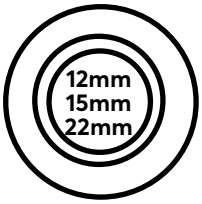
## KENNEDY 4-in-1 Micro Pipe Bender

High tensile steel with rivetted carbon steel. PVC grips. Carbon steel guides. Quick change aluminium formers. Bends copper and steel pipes. For pipe sizes 4.75, 6, 8 and 10mm.

| Capacity | Order Code **KEN-588** |
|---|---|
| 4.75-10mm | **-6300K** |

## KENNEDY Multi-Bender Pipe Bender

Precision bending up to 180°. Bends tube without distortion. Formers and guides will accept 12, 15 and 22mm O/D tube. For use in the plumbing, heating, refrigeration and air conditioning industries. Spare formers and guides also available (see table below).



**Accessories**

| Tube Capacity | Order Code **KEN-588** |
|---|---|
| 12/15mm Former Only | **-6810K** |
| 12/22mm Former Only | **-6820K** |
| 12mm Guide Only | **-6920K** |
| 15mm Guide Only | **-6940K** |
| 22mm Guide Only | **-6960K** |

| Tube Capacity | Order Code **KEN-588** |
|---|---|
| 12, 15 & 22mm | **-6200K** |

# PIPE CUTTERS

## KENNEDY® Tube Cutter for Stainless Steel

With high strength cast bodies and single cutting wheels with two rollers. Suitable for stainless steel, brass and copper tubes. All fitted with deburring blades

| Capacity mm | No. of Rollers | No. of Cutters | Order Code **KEN-588** |
|---|---|---|---|
| 3 to 32 | 2 | 1 | **-5721K** |

**HSS Cutting Wheel**

| For | Order Code **KEN-588** |
|---|---|
| KEN-588-5721K | **-5791K** |

## KENNEDY® Spring Loaded Pipe Cutter

Designed to cut copper, brass, aluminium, plastic and thin wall conduit, this pipe cutter has a 3-30mm capacity and spring load mechanism. It also Vlastnosti an internal pipe deburrer.

| Capacity (mm) | Order Code **KEN-588** |
|---|---|
| 3 - 30 | **-4720K** |

## KENNEDY® Mini Pipe Cutter

Compact and robust construction ideal for use in confined spaces.
Grooved rollers allow close-to-flare cuts. Large feed screw for accurate cutting of aluminium, brass, copper and steel tubing.

**Length:** 66mm.

**For Aluminium, Brass, Copper & Steel**

| Capacity (mm) | Order Code **KEN-588** |
|---|---|
| 3 - 22 | **-5451K** |
| Spare Cutter | **-5801K** |

**For Stainless Steel**

| Capacity (mm) | Weight each | Order Code **KEN-588** |
|---|---|---|
| 3 - 22 | 140g | **-5700K** |

## KENNEDY® 2-in-1 Automatic Ratcheting Pipe Cutter

Designed to cut copper, brass, aluminium, plastic and thin wall conduit, this pipe cutter has a 6 - 28mm capacity and spring loaded mechanism. It features a detachable ratchet hale for use in tight work areas a has a hanging hole for storage.

| Capacity (mm) | Order Code **KEN-588** |
|---|---|
| Spare Cutter | **-4690K** |

## KENNEDY® Midget Pipe Cutter

For use on copper, brass, aluminium and thin wall conduit. Supplied with spare blade.

**Width:** 25mm.
**Overall length:** 95mm.

| Capacity (mm) | Order Code **KEN-588** |
|---|---|
| 3 - 28 | **-5490K** |
| Spare Cutter | **-5800K** |

## KENNEDY® Pipe Cutters

With high strength cast bodies and single cutting wheels with two rollers. Suitable for stainless steel, brass and copper tubes. All fitted with deburring blades.

**-5500K**

**For Aluminium, Brass, Copper & Steel**

| Capacity (mm) | Order Code **KEN-588** |
|---|---|
| 3 - 30 | **-5500K** |
| Spare Cutter | **-5590K** |

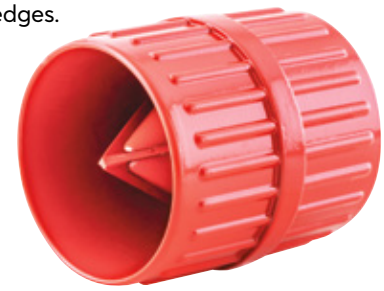
## KENNEDY® Mini Tubing Cutter

Spring loaded mini hose cutter.
- Single stroke tube cutter
- POM plastic body
- Heat treated steel blade
- Max. pipe: 12.7mm (1-2")
- Not suitable for cutting metal

| Capacity (mm) | Order Code **KEN-588** |
|---|---|
| 12.7 | **-5401K** |

## KENNEDY® Pipe Deburrer

For internal and external edges.



| Capacity (mm) | Order Code KEN-588 |
|---|---|
| 3-40 (⅛"-1⅝") | -5900K |

## KENNEDY® Rubber Hose Cutter, 6-35mm

- Lightweight moulded polypropylene body with durable stainless steel blade
- Guillotine action ensures a clean cut every time
- Handle retaining hook for compact storage a břitu safety

| Capacity (mm) | Order Code KEN-588 |
|---|---|
| 6 to 35 | -5001K |

## KENNEDY® Automatic Pipe Cutters

These robust pipe cutters will cut copper, brass, aluminium, PVC and thin-wall conduit. They automatically tighten and cut when turned around the pipe. The compact design makes them ideal for working in confined spaces.

| Capacity | Order Code KEN-588 |
|---|---|
| 15mm | -4800K |
| 22mm | -4820K |
| Spare Cutter | -4840K |

## KENNEDY® Plastic Pipe Cutters

- Extra wide lower jaws for easy production of 90° cuts
- Guillotine action ensures a clean cut every time
- Handle retaining loop for compact storage and blade safety

| Capacity mm | Order Code KEN-588 |
|---|---|
| 6 to 36 | -5841K |
| 12 to 42 | -5843K |
| 25 to 63 | -5845K |
| 6 to 36 | -5881K |
| 12 to 42 | -5883K |
| 25 to 63 | -5885K |

## KENNEDY® Heavy-Duty Pipe Cutters

Single cutting wheels with four rollers for straighter cuts.

- Capacity: 5 to 64mm
- Spring-loaded release mechanism for quick diameter adjustments
- Suitable for aluminium, brass and copper tubes
- Fitted with deburring blades

| Compatible Pipe Material | Capacity mm | No. of Rollers | No. of Cutters | Order Code KEN-588 |
|---|---|---|---|---|
| Brass; Copper; Stainless Steel | 5 to 64 | 4 | 1 | -5551K |

## KENNEDY® Automotive Chain Pipe Cutter

Cuts thin wall pipe (stainless steel, copper, PVC etc.) up to 2.6mm thickness. The grip action eliminates hand gripping effort to ensure perfect tracking. Can be used for efficient cutting of exhaust pipes.

| Capacity | Overall Length | Order Code KEN-588 |
|---|---|---|
| 15 - 75mm | 250mm | -5100K |

## KENNEDY® Spare Wheel for 4 Wheel Pipe Cutter

Spare Cutter To Suit 588-555.

| Compatible Pipe Material | No. of Cutters | Order Code KEN-588 |
|---|---|---|
| Aluminium; Brass; Copper; Steel | 1 | -5691K |

## KENNEDY® Industrial Chain Pipe Cutter

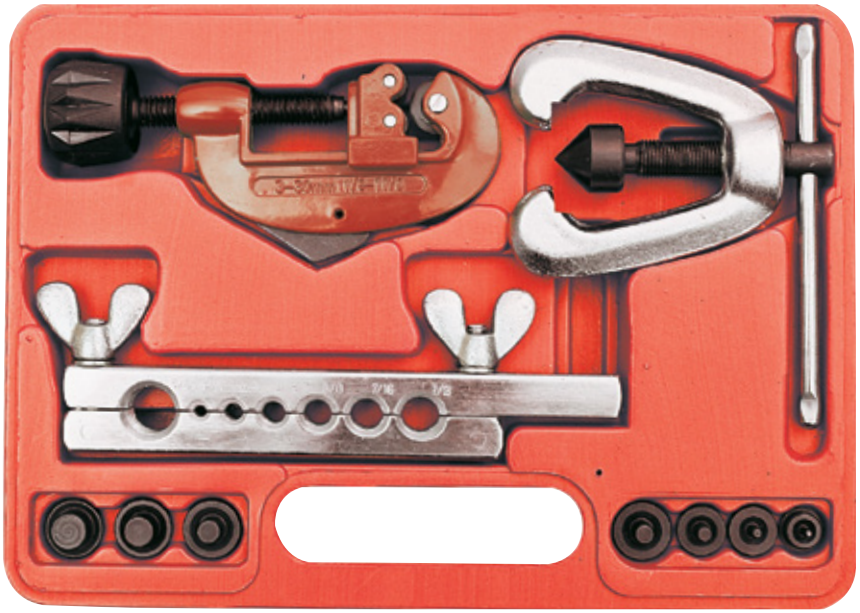
Cuts wall pipe (welded and seamless) up to 5mm thick. The grip action eliminates ha gripping effort to ensure perfect tracking.

| Capacity | Overall Length | Order Code KEN-588 |
|---|---|---|
| 20 - 115mm | 250mm | -5120K |

# PIPE FLARING TOOLS & CRIMPERS

## KENNEDY® Double Flaring Tool & Pipe Cutting Set

Flaring tool for 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" steel, aluminium and copper pipes. Cutter for 1/8" to 1 1/4" outside diameter pipe. Robust moulded case.



| Capacity | Order Code KEN-588 |
|---|---|
| 3/16" - 5/8" | -9570K |

## KENNEDY® Double Flaring Tool Set

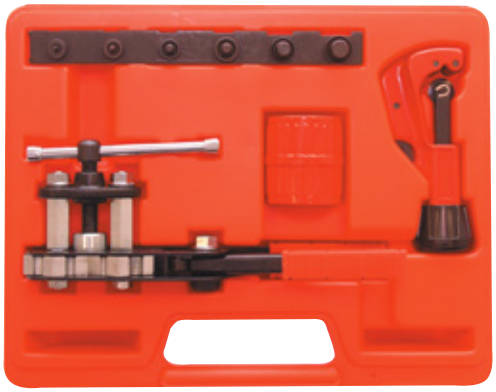
Manufactured to double flare soft steel, aluminium and copper tubing up to .040" wall thickness producing **SAE** 45° flares. Heat treated alloy steel swivel is precision ground and chromed to reduce friction. Heat treated drop forged yoke. Each adaptor is clearly stamped with the size for easy identification. Bright lustre plate finish with contrasting black oxide. Will also produce a single flare.

**Sizes:** 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", a 5/8".

| Capacity | Order Code KEN-588 |
|---|---|
| 3/16" - 5/8" | -9550K |

## KENNEDY® Folding Double Flaring Tool Set

Suitable for use on copper pipe. Compact folding design. Robust moulded case.
Single 45° flares: 3/16" to 5/8". Double flares: 3/16" to 1/2".
Cutter: 1/8" to 1 1/4". Deburrer: 1/8" to 1 1/8" internal a external.



| Capacity | Order Code KEN-588 |
|---|---|
| 3/16" - 5/8" | -9620K |

## KENNEDY® All-in-1 Swaging Punch

Designed to make a tube connection without a fitting, this all-in-one swaging punch gives you one solter to join, reducing solder time by half. It has a nickel-chrome finish and is heat treated for durability.

**Sizes:** 1/4", 5/16", 3/8", 1/2", 5/8"

| Material | Order Code KEN-588 |
|---|---|
| Nickel Chrome | -9840K |

## KENNEDY® 5-Blade Pipe Crimper

With compound action and self-opening jaws, provides accurate indentations in round duct and stove pipe. It has soft grip handles for comfort and rust resistant blades.

| Overall Length | Order Code KEN-588 |
|---|---|
| 250mm | -4680K |

## KENNEDY® Pipe Vices

Used for repetitive tasks on pipework. The frame of the pipe vice is made from cast iron with jaws made from hardened tool grade alloy steel with a corrosion resistant coating. The top jaw of the pipe vice is held in position with a hook which automatically engages when the vice is closed. The stand is fitted with an integral tool tray, wide angled legs give greater stability and the folding design provides easy storage and transportation.

### Pipe Vice Only

| Capacity (mm) | Weight each | Order Code KEN-588 |
|---|---|---|
| 8-55 | 4.50kg | -8020K |
| 10-85 | 6.70kg | -8040K |
| 15-100 | 10.3kg | -8060K |

### Pipe Vice & Stand

| Capacity (mm) | Weight each | Order Code KEN-588 |
|---|---|---|
| 8-55 | 24.6kg | -8220K |
| 10-85 | 31.6kg | -8240K |

## KENNEDY® Drop Head Threader

Strong-arm ratchet threading set complete with ½", ¾" and 1" quick change dies. Manufactured to the highest quality with comfortable 2-part handle to give greater leverage. Complete with tough moulded carry case.

| Capacity | Order Code KEN-588 |
|---|---|
| ½" - 1" | -8800K |

THE ULTIMATE AIR GRINDER FOR EVERY SPACE

Elevate your work with Kobe's ultra-compact air grinder.
Designed for precision and power in tight spaces.

Ideal for grinding, polishing, and deburring, this versatile tool ensures flawless results every time. Choose Kobe for unmatched performance and redefine your standards.

Power. Precision. Perfection.

KOBE™

# PIPE WRENCHES



**Hook jaw clearance measurement "A"**

## KENNEDY® Heavy Duty Wrenches

Jaws are serrated in the opposite direction to ensure a secure grip. Used mainly in the plumbing industry for gripping pipes and nuts. Cast iron frame, drop forged handles and jaws.

| Length (mm) | Capacity (mm) | A (mm) | Order Code KEN-588 |
|---|---|---|---|
| 205 (8") | 27 | 16 | -3080K |
| 255 (10") | 35 | 21 | -3100K |
| 305 (12") | 43 | 25 | -3120K |
| 355 (14") | 50 | 24 | -3140K |
| 455 (18") | 60 | 29 | -3180K |
| 600 (24") | 76 | 35 | -3240K |
| 900 (36") | 102 | 45 | -3360K |
| 1200 (48") | 140 | 58 | -3480K |

## SENATOR QUALITY TOOLING Heavy-Duty Wrenches

Heavy-duty pattern. Drop forged, single piece body.

| Length (mm) | Capacity (mm) | A (mm) | Order Code SEN-588 |
|---|---|---|---|
| 200 (8") | 27 | 16 | -5508K |
| 350 (14") | 50 | 24 | -5514K |
| 450 (18") | 60 | 28 | -5518K |
| 600 (24") | 80 | 34 | -5524K |
| 900 (36") | 102 | 40 | -5536K |
| 1200 (48") | 140 | 57 | -5548K |

## KENNEDY® Multi Key - 4- Way

For gas, water and electric meter boxes, air conditioning units, stop valves, mains consoles etc., central heating pump cocks, some radiator valves and drain off valves.

| Material | Order Code KEN-588 |
|---|---|
| Steel | -6060K |

## KENNEDY® Meter Box Key

Plastic meter box key, fits gas and electric meter boxes. With easy turn handle and keyring hole.

Available in two colours.

**Overall length:** 24mm.

| Colour | Order Code KEN-588 |
|---|---|
| Blue | -6420K |
| Yellow | -6460K |

## KENNEDY® Stillson Wrenches

Jaws are serrated in the opposite direction to ensure a secure grip. Used mainly in the plumbing industry for gripping pipes and nuts. Cast iron frame, drop forged handles and jaws. All moving parts are heat treated. Conform with **BS 3594: Part 1**.

| Length (mm) | Capacity (mm) | A (mm) | Order Code KEN-588 |
|---|---|---|---|
| 205 (8") | 27 | 19 | -2080K |
| 255 (10") | 35 | 24 | -2100K |
| 305 (12") | 43 | 25 | -2120K |
| 355 (14") | 50 | 28 | -2140K |
| 455 (18") | 60 | 32 | -2180K |
| 600 (24") | 76 | 41 | -2240K |
| 900 (36") | 102 | 50 | -2360K |

## KENNEDY® Offset Aluminium

Handle made of extremely lightweight aluminium which is as robust as heavy-duty cast iron. Jaw opening sits parallel to the handle making it ideal for overhead applications. Narrow jaw head makes it easier to use within tight areas.

| Length (mm) | Capacity (mm) | A (mm) | Order Code KEN-588 |
|---|---|---|---|
| 350 (14") | 60 | 26 | -1640K |

## KENNEDY® Heavy Duty Aluminium

Lightweight aluminium alloy handles. As robust as heavy duty cast iron wrenches.

| Length (mm) | Capacity (mm) | A (mm) | Order Code KEN-588 |
|---|---|---|---|
| 200 (8") | 27 | 16 | -3680K |
| 255 (10") | 35 | 20 | -3700K |
| 305 (12") | 43 | 22 | -3720K |
| 355 (14") | 50 | 24 | -3740K |
| 455 (18") | 60 | 28 | -3780K |
| 600 (24") | 80 | 34 | -3840K |
| 900 (36") | 102 | 40 | -3860K |
| 1200 (48") | 140 | 57 | -3880K |

## SENATOR QUALITY TOOLING Speed Wrench Set

Contains two multi-purpose self-adjusting wrenches 200mm (8"), maximum capacity 25mm and 300mm (12"), maximum capacity 35mm. Can be used on pipes, nuts and bolts and will also grip rounded nuts. Manufactured from fully chrome-plated drop forged steel.

2 PIECES

| Capacity | Order Code SEN-588 |
|---|---|
| 25mm & 35mm | -9010K |

## SENATOR QUALITY TOOLING Pipe Wrench Leader Pattern Handle, Steel

- Single piece drop forged body for more strength and durability
- Wide range of handle lengths to give you the perfect size for the job
- Chrome vanadium steel jaws provide a strong grip onto pipes
- Standard jaw type
- Leader pattern handle

2 PIECES

| Capacity mm | Total Length mm | Order Code SEN-588 |
|---|---|---|
| 35 | 250 | -5510K |
| 43 | 300 | -5512K |

## KENNEDY Self Adjusting Basin Wrenches

**Heavy Duty**
With spring loaded jaws of hardened forged and milled steel. Jaw swivels 180° allowing easy tightening and loosening of basin nuts on both 15mm a 22mm pipes.
With sliding tommy bar.
**Capacity:** 10 - 32mm(⅜" - 1¼").

| Overall Length (mm) | Weight each | Order Code KEN-588 |
|---|---|---|
| 265 | 520g | -6020K |
| 245 | 840g | -6030K |

## KENNEDY Swedish Pattern

Narrow design for confined areas, used for gripping pipe and nuts. Forged chrome vanadium heat treated steel. Knurled adjusting nut with guiding reinforcement on handle. Conform to **DIN 5234**.

**90° Type**

| Length (mm) | Max. Pipe Capacity (mm) | Order Code KEN-588 |
|---|---|---|
| 300 (12") | 25 (1") | -4120K |

# ROLLER STANDS/VICE GRIPS



## KENNEDY® Heavy Duty Roller Stand

This heavy-duty roller and ball stand offers robust construction and versatility, making it essential for workshops and job sites. The stand features all-steel welded construction with 51 mm tubing for superior stability. It adjusts from 758 mm to 1197 mm with twin lock-knobs, ensuring safe support. The 60 mm diameter bearing roller has a spring-loaded axle. It converts from a roller stand to a ball stand with 8 steel balls for multidirectional movement. Pre-assembled and ready to use without tools, it provides convenient, efficient material support.

| Applications | Order Code KEN-588 |
|---|---|
| Roller/Ball Stand | -8435D |


PRECISION POWER FOR EVERY JOB

Do not compromise. Choose Kobe for unparalleled performance and reliability. Your projects deserve nothing less than the best.

Ready to take your work to the next level? Discover the Kobe difference today and experience excellence at your fingertips!

Power. Precision. Perfection.

KOBE™

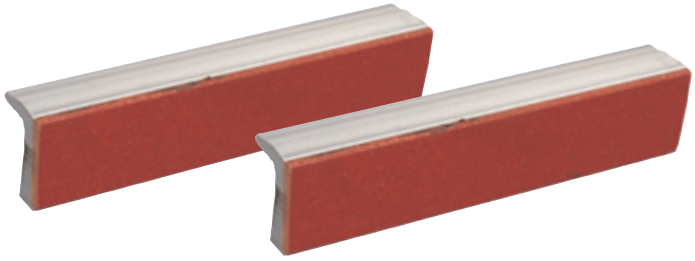

## KENNEDY® Magnetic Vice Jaws

Suitable for all steel and iron vices - engineers, fitters, machine. Quick and easy to fit and remove.

**Profiled Aluminium**

| Width (mm) | Order Code KEN-589 |
|---|---|
| 75 (3") | -1300K |
| 100 (4") | -1400K |
| 125 (5") | -1500K |
| 150 (6") | -1600K |

## KENNEDY® Aluminium Jaw with a Fibre Face



| Width (mm) | Order Code KEN-589 |
|---|---|
| 75 (3") | -2300K |
| 100 (4") | -2400K |
| 125 (5") | -2500K |
| 150 (6") | -2600K |

## KENNEDY® Aluminium Jaw with a Rubber Face

| Width (mm) | Order Code KEN-589 |
|---|---|
| 75 (3") | -3300K |
| 100 (4") | -3400K |
| 125 (5") | -3500K |
| 150 (6") | -3600K |

## KENNEDY® General-Purpose Tinsnips

Manufactured from drop forged carbon steel with hardened and precision ground blades which can be re-sharpened.

**Standard Type**

A traditional design, suitable for the general-purpose cutting of sheet metal in a wide range of materials.

Straight Cut

| Length (mm) | Order Code KEN-591 |
|---|---|
| 200 (8") | -1080K |
| 250 (10") | -1100K |
| 300 (12") | -1120K |

**2 Piece Standard Type Tinsnip Set**

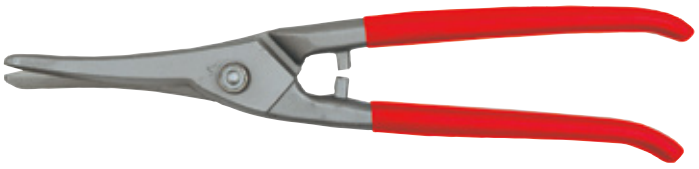
| Contents (mm) | Order Code KEN-591 |
|---|---|
| 1 off each 200 (8") & 300mm (12") | -1200K |

## KENNEDY® Heavy Duty Right Hand Universal Snip

Ideal for the more demanding cutting application. PVC dipped hale.

**Straight Blade -** Universal cutting.

Straight Cut



| Length (mm) | Order Code KEN-591 |
|---|---|
| 250 (10") | -1950K |

## KENNEDY® Multi-Purpose Cutters

Precision ground and hardened stainless steel blades - HRC 50-54 - with one serrated cutting edge. Lightweight polypropylene hales with spring load action. Easy reach safety thumb lock.

**Straight**

Straight Cut

**Offset**

| Type | Length (mm) | Cutting Length (mm) | Order Code KEN-591 |
|---|---|---|---|
| Straight | 203 (8") | 50 (2") | -2360K |
| Offset | 190 (7½") | 38 (1½") | -3120K |

## KENNEDY® Jeweller's Snips

Short bladed tinsnip giving precise control on intricate workpieces, ideal for jewellers, silversmiths and model makers.

**Straight Cutting**

Straight Cut

| Type | Length (mm) | Order Code KEN-591 |
|---|---|---|
| Straight | 180 (7") | -1550K |

## SENATOR® QUALITY TOOLING General-Purpose Straight Blade Tinsnips

A traditional drop forged carbon steel design with induction hardened and ground blades. Suitable for cutting of sheet metal etc.

Straight Cut

| Length (mm) | Order Code SEN-591 |
|---|---|
| 250 (10") | -1100K |

## KENNEDY® Cranked Blade Heavy-Duty Snips - Left Hand

Designed to cut straight or to the left leaving waste material to the right of the blade.

angled

| Length (mm) | Order Code KEN-591 |
|---|---|
| 280 (11") | -1670K |

# SHEARS & SNIPS

## KENNEDY® Compound Action Aviation Snips

Drop forged chrome vanadium ground blades (54 - 58HRc). The double fulcrum compound action amplifies the pressure applied for easier cutting of up to 1.2mm cold rolled steel sheet. Spring loaded, self-opening action for fast, effortless feed and single-handed operation. Anti-slip guards for extra safety. Thumb lock ensures the jaws stay closed when not in use. For use on mild steel a other non-ferrous materials.

**Left Ha or Right Ha Cut**
Cut from tight curve to straight.

| Type | Length (mm) | Order Code KEN-591 |
|---|---|---|
| Right Hand | 270 (10½") | -2170K |
| Left Hand | 270 (10½") | -2160K |

**Straight Cut**
Cuts straight, left or right. Self-opening action for fast, effortless feed, with a built-in convenient, protective safety latch.

| Length (mm) | Order Code KEN-591 |
|---|---|
| 270 (10½") | -2180K |

## SENATOR QUALITY TOOLING Sheet Metal Nibbler

For cutting sheet materials without bending or distorting, metal up to 1.2mm (18 gauge) and plastic up to 2mm (14 gauge). Positive spring loaded action enables the cutter to be used single-handed. Replaceable molybdenum front blade. Side jaws for wire cutting. Safety jaw lock.

**Overall length:** 250mm.

| Length (mm) | Order Code SEN-591 |
|---|---|
| 250 (10") | -8090K |
| Replacement Blade | -8095K |

**Offset Cut (Heavy Duty)**
The offset blades keep hands clear of metal. Spring-action for fast, effortless feed. Non-slip, textured grips and safety latch for superior control and a handy hang-up hole.

| Type | Length (mm) | Order Code KEN-591 |
|---|---|---|
| Right Hand | 250 (9¾") | -2150K |
| Left Hand | 250 (9¾") | -2140K |

## Find us online

Navigating our website is made simple and easy to use. Optimised search and comparison for quick product selection.

Check product availability with ease. Once you've found your desired item, just click on it to see if it's in stock. Our real-time updates will let you know instantly if it's available for purchase.

Stay informed on pricing. List price shown making it easy for you to make purchasing decision.

Access detailed product information. For those who crave more knowledge, we provide comprehensive descriptions and downloadable technical documents to give you all the information you need to make an informed decision.

## KENNEDY® Low Tensile Bolt Cutters - Centre Cut

Drop forged hardened carbon steel jaws suitable for round and flat sections. With adjustable arms and cushion grips. Tubular handles for maximum strength combined with low weight.

Centre Cut

| Length (mm) | Capacity 15° HRC | Capacity 40° HRC | Order Code **KEN-592** |
|---|---|---|---|
| **Low Tensile Cutters** | | | |
| 300 (12") | 5mm | 4mm | **-3520K** |
| 350 (14") | 7mm | 5mm | **-3540K** |
| 450 (18") | 8mm | 6mm | **-3560K** |
| 600 (24") | 10mm | 8mm | **-3580K** |
| 750 (30") | 13mm | 10mm | **-3600K** |
| 900 (36") | 14mm | 12mm | **-3620K** |

## KENNEDY® High Tensile Bolt Cutters

Drop forged hardened chrome vanadium steel. Ideal for cutting both flat and round section steels. Hardened carbon steel jaws. Tubular steel handles with cushion grip for maximum operator comfort. Conform to **DIN 2076**.

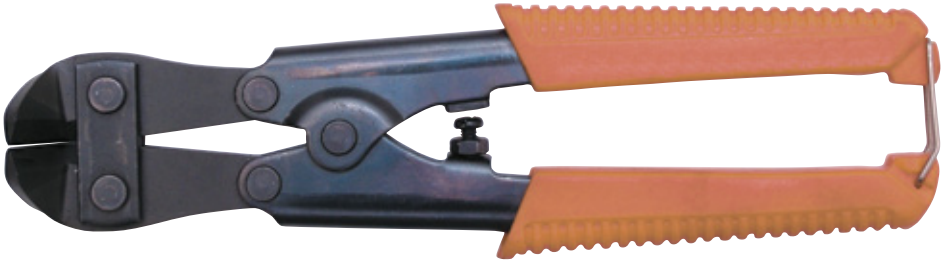
Centre Cut

| Cut Type | Overall Length (mm) | 735N/mm² (45 tons/in²) | 1570N/mm² (100 tons/in²) | Order Code **KEN-592** |
|---|---|---|---|---|
| Centre | 600 (24") | 9mm (11/32") | - | **-2296K** |
| Centre | 760 (30") | 13mm (1/2") | 8mm (5/16") | **-4200K** |
| Centre | 900 (36") | 14mm (5/8") | 9mm (3/8") | **-4220K** |

## KENNEDY® Mini Bolt Cutters

### Mini Cutters - Clipper Cut

Manufactured from forged hardened steel, with spring return, allowing single-handed use. Compound action magnifies the pressure applied to the handle. Ensures a concentration of force between the jaws. Non-slip moulded plastic grip. Available with straight and bent jaws. For low tensile materials. Clipper cut.



| Jaw Type | Overall Length (mm) | Cutting Capacity 735N/mm² (45 tons/in²) | Weight each | Order Code **KEN-592** |
|---|---|---|---|---|
| Straight | 200 (8") | 3mm (1/8") | 0.30kg | **-0080K** |

## KENNEDY® Small Parts Storage Cabinets

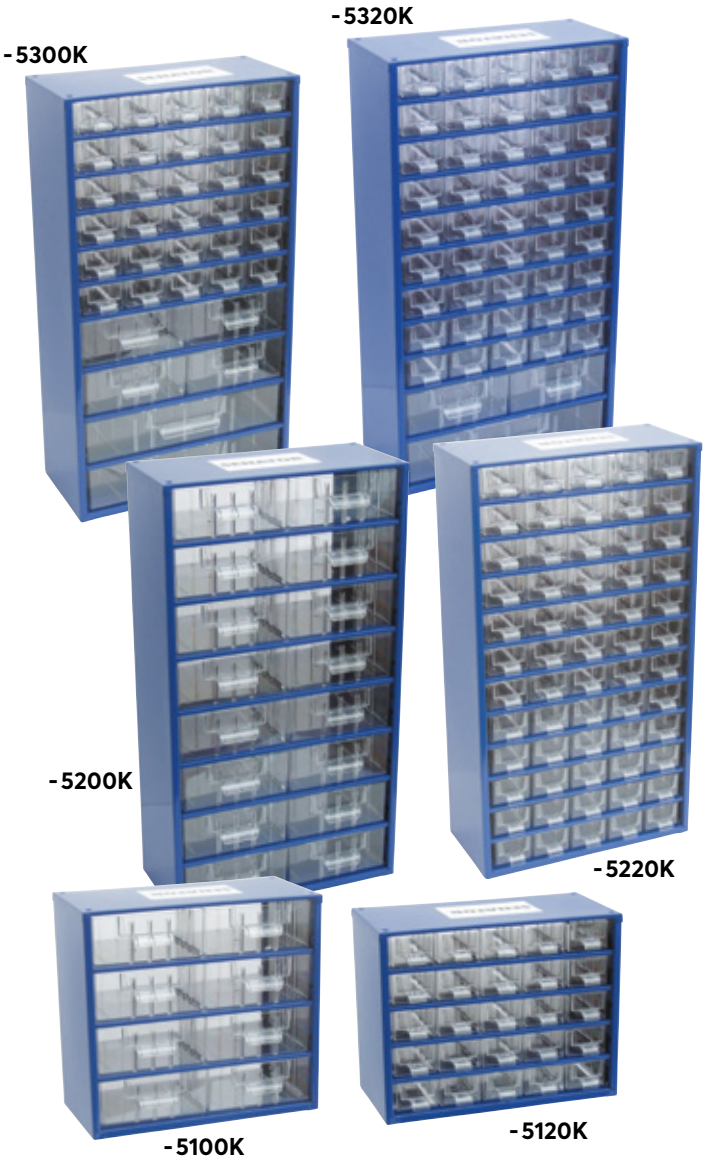
Manufactured from heavy gauge steel, painted finish with impact resistant transparent polypropylene drawers, allowing contents to be viewed when the drawer is closed. The lip on the rear of the drawer allows it to be opened fully without falling out. The cabinets can be stacked or mounted to the wall to maximise use of storage space.

**IMPACT RESISTANT DRAWERS**

| Cabinet/ Drawers | Height (mm) | Width (mm) | Depth (mm) | Weight each | Order Code KEN-593 |
|---|---|---|---|---|---|
| Cabinet size 8 Drawers @ | 282<br>59 | 306<br>140 | 155<br>140 | 1.50kg | -5100K |
| Cabinet size 25 Drawers @ | 238<br>36.5 | 306<br>54 | 155<br>140 | 2.00kg | -5120K |
| Cabinet size 16 Drawers @ | 551<br>59 | 306<br>140 | 155<br>140 | 2.80kg | -5200K |
| Cabinet size 60 Drawers @ | 551<br>36.5 | 306<br>54 | 155<br>140 | 4.50kg | -5220K |
| Cabinet size 30 Drawers @<br>4 Drawers @<br>2 Drawers @ | 551<br>36.5<br>59<br>59 | 306<br>54<br>140<br>280 | 155<br>140<br>140<br>140 | 4.50kg | -5300K |
| Cabinet size 45 Drawers @<br>2 Drawers @<br>1 Drawers @ | 551<br>36.5<br>59<br>59 | 306<br>54<br>140<br>280 | 155<br>140<br>140<br>140 | 4.20kg | -5320K |

## SENATOR® QUALITY TOOLING Small Parts Storage Cabinets

Manufactured from heavy gauge steel, painted finish with transparent plastic drawers, allows contents to be viewed when the drawer is closed. The lip on the rear of the drawer allows it to be opened fully without falling out. The cabinets can be stacked or mounted to the wall to maximise use of storage space.




| Cabinet/ Drawers | Height (mm) | Width (mm) | Depth (mm) | Weight each | Order Code SEN-593 |
|---|---|---|---|---|---|
| Cabinet size 8 Drawers @ | 282<br>59 | 306<br>140 | 155<br>140 | 1.50kg | -5100K |
| Cabinet size 25 Drawers @ | 238<br>36.5 | 306<br>54 | 155<br>140 | 2.00kg | -5120K |
| Cabinet size 16 Drawers @ | 551<br>59 | 306<br>140 | 155<br>140 | 2.80kg | -5200K |
| Cabinet size 60 Drawers @ | 551<br>36.5 | 306<br>54 | 155<br>140 | 4.50kg | -5220K |
| Cabinet size 30 Drawers @<br>4 Drawers @<br>2 Drawers @ | 551<br>36.5<br>59<br>59 | 306<br>54<br>140<br>280 | 155<br>140<br>140<br>140 | 4.50kg | -5300K |
| Cabinet size 45 Drawers @<br>2 Drawers @<br>1 Drawers @ | 551<br>36.5<br>59<br>59 | 306<br>54<br>140<br>280 | 155<br>140<br>140<br>140 | 4.20kg | -5320K |

### Drawers to Suit

| Drawer Size | Height (mm) | Width (mm) | Depth (mm) | Weight each | Order Code SEN-593 |
|---|---|---|---|---|---|
| Small | 36.5 | 54 | 140 | 13g | -9600K |
| Medium | 59 | 140 | 140 | 80g | -9620K |
| Large | 59 | 280 | 140 | 192g | -9640K |

### Dividers to Suit

| Drawer Size | Weight each | Order Code SEN-593 |
|---|---|---|
| Small 50 x 29mm | 21g | -9700K |
| Medium/Large 50 x 133mm | 104g | -9720K |

## KENNEDY® Service Case Organiser

Robust stacking unit containing four lockable organiser cases, which lift and slide out. The expandable system allows units to be attached on top or side by side. Cases have translucent lid for selecting contents and multi-positional compartment separators. Used for storing up to four service cases.

**Maximum load:** 6kg.
It is recommended that no more than three organisers should be stacked at one time.

| Height (mm) | Width (mm) | Depth (mm) | Order Code KEN-593 |
|---|---|---|---|
| 425 | 350 | 375 | -2380K |

## KENNEDY® Professional Service Case

Suitable for transporting and storing smaller items. Manufactured from hi-density industrial strength plastic with opaque lid for viewing contents. Slide clasp-locking mechanism to prevent opening while in transit/storage. Lid and base feature two aligning padlock holes to accept padlocks with shackle diameters up to 5.8mm. The lids have three hinges for strength and durability. Eight fixed compartments supplied with dividers to make up to 16 sections.

| Height (mm) | Width (mm) | Depth (mm) | Order Code KEN-593 |
|---|---|---|---|
| 60 | 380 | 335 | -2400K |

## KENNEDY® 10-Compartment Storage Trays

Made from tough polypropylene. Service cases have 10 equal compartments. Lids have positive catches a are semi-transparent to view their Obsah.

| Overall Length | Overall Width | Overall Depth | Order Code KEN-593 |
|---|---|---|---|
| 240mm | 178mm | 36mm | -6000K |

## KENNEDY® Organiser with Polycarbonate Lid

Reinforced body for added strength and durability. Includes 12 storage bins and 2 large and 9 small dividers.
Lid interlocks with inner dividers to prevent movement of parts between compartments and is transparent to enable contents to be viewed at a glance.

| Height (mm) | Width (mm) | Depth (mm) | Order Code KEN-593 |
|---|---|---|---|
| 110 | 400 | 389 | -2410K |

## KENNEDY® 4-Drawer Parts Cabinet

Manufactured from hi-impact co-polymer polypropylene with opaque drawers for viewing contents. Three section top compartment with opaque lid and moulded snap clasps to prevent accidental opening. Each internal sliding transparent drawer features three removable dividers and locking mechanism to prevent the drawer opening whilst in transit. Recessed top carry handle and locating lugs allows stacking of multiple cabinets.

| Height (mm) | Width (mm) | Depth (mm) | Order Code KEN-593 |
|---|---|---|---|
| 390 | 200 | 340 | -1760K |

# TOOL POUCHES



## KENNEDY Nail Bag - Nylon

Heavy duty polyester allows exceptional resistance to punctures or tears. Heavily stitched webbing belt complete with heavy duty double capped riveted clasp for added strength and support.

| Size (mm) | Order Code KEN-593 |
|---|---|
| 525 x 290 | -3540K |

## KENNEDY Tool Pouches

Manufactured from leather. Fully riveted double stitched construction. Chrome leather, two pockets and five loops. Belt not included.

Tools Not Included

| Size (mm) | Order Code KEN-593 |
|---|---|
| 290 x 200 | -3640K |

## KENNEDY Leather Nail Pouch

- Manufactured from high quality split leather for durability
- Boasts a classic brown colour
- Possesses 2 loops, a nail pouch, a tape holder and a webbing belt for ample storage of smaller tools and components
- Webbed nylon belt is highly durable and fastens closed via the plastic clip
- Dimensions (W x L): 220 x 210mm

| Weight | Order Code KEN-593 |
|---|---|
| 300g | -3470K |

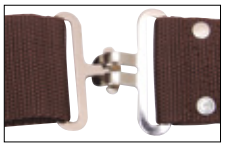
## KENNEDY Combination Tool Pouch

**Double Nail Bag & Tool Pouch**
Heavy duty polyester allows exceptional resistance to punctures or tears. Heavily stitched webbing on belt loop and edges. Double capped riveted for added strength and support.
**Pouch sizes (L x W x H):**
- 270 x 200 x 50mm (2x)
- 130 x 120 x 80mm (2x)
- 140 x 100 x 50mm

| Weight | Order Code KEN-593 |
|---|---|
| 0.31g | -3400K |

## KENNEDY Combination Tool Pouches

Leather, made with ten pockets, two loops, webbing belt and tape holder.



Tools Not Included

| Size (mm) | Order Code KEN-593 |
|---|---|
| 550 x 220 | -3500K |

Leather, made with eight deep pockets, two nail pouches, two loops, webbing belt and tape holder.

Tools Not Included

| Size (mm) | Order Code KEN-593 |
|---|---|
| 550 x 220 | -3510K |

## KENNEDY Phone Case Plus Belt Clip

- Made to fit most standard belt sizes
- Keeps you connected without worries of damaging or losing your phone
- Sturdy polyester construction
- Hook and loop front flap closure for security
- Polyester
- 600 derneir durable fabric
- Complete with belt loop and clip

| Size L x W (mm) | Order Code KEN-593 |
|---|---|
| 80 x 165 | -5000K |

## KENNEDY Leather Belts - Heavy Duty Buffalo Finished Leather

- Ideal for attaching belt pouches in order to store your most used tools in an easily accessible manner
- Heavy buckle and retaining loop keep the belt firmly in place
- Manufactured from heavy duty buffalo finished leather for ultimate durability and product longevity
- Available in two sizes to suit your needs
- Product KEN5933020K is 2.55mm thick

| Weight | Length mm | Width mm | Order Code KEN-593 |
|---|---|---|---|
| 180g | 1285 | 40 | -3020K |

## KENNEDY Leather Nail Pouch

- Manufactured from durable leather for product longevity
- Double stitched seams reinforce the structure
- Two pockets to store an ample amount of nails or small components
- Nylon webbing belt is adjustable to fit you comfortably
- Riveted corners provide additional strength in areas of potential weakness

| Weight | Length mm | Width mm | Order Code KEN-593 |
|---|---|---|---|
| 370g | 250 | 360 | -3340K |

## KENNEDY Carpenter's Full Bib Apron

100% cotton drill, with cotton neck loop and ties. Two single stitched pockets.

| Size (mm) | Order Code KEN-593 |
|---|---|
| 850 x 620 | -4010K |

## KENNEDY Trimming Knife Holster

Manufactured from natural split leather. 100mm tapered pocket with a 40 x 20mm opening. Fully riveted construction. Two slits for belt attachment.
Belt not included.

Tools Not Included

| Size (mm) | Order Code KEN-593 |
|---|---|
| 60 x 190 | -3750K |

## KENNEDY Spanner/Tool Holster

Manufactured from natural split leather. Two spanner, tan leather. Reinforced joints. Belt not included.

Tools Not Included

| Size (mm) | Order Code KEN-593 |
|---|---|
| 170 x 110 | -3710K |

# TOOL ROLLS

## KENNEDY® PVC Multi-Tool Rolls

Waterproof, puncture resistant and rot proof PVC outer with heavy-duty nylon weave providing a high strength, abrasion resistant inner lining. With 8 flat tool pockets, webbed ties. Tools secured with flap cover.

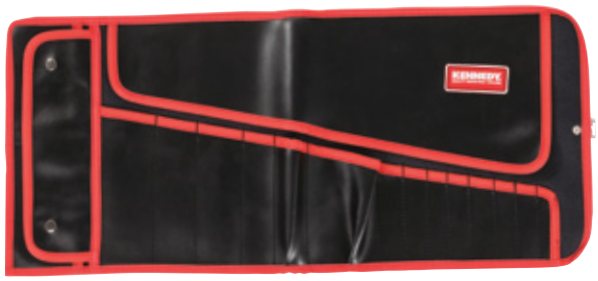
**Tools Not Included**

| Size (mm) | Weight each | Order Code KEN-593 |
|---|---|---|
| 390 x 330 | 190g | **-0370K** |

## KENNEDY® PVC Double-Coated Nylon Multi-Tool Roll

Puncture resistant and rot proof PVC outer encasing heavy-duty nylon weave. 100% waterproof, easy to clean. With 12 flat, and two pleated pockets, one large end pouch divided into two with a press stud containing flap. Tools secured with flap cover. Leather tie with metal buckle.

**Tools Not Included**



| Size (mm) | Weight each | Order Code KEN-593 |
|---|---|---|
| 700 x 315 | 340g | **-0520K** |

## KENNEDY® Chisel Roll

Waterproof chisel roll with 8 flat pockets. PVC coated cotton, with securing leather strap and metal buckle fastening. Tools secured with flap cover.

**Tools Not Included**

| Size (mm) | Order Code KEN-593 |
|---|---|
| 370 x 490 | **-0490K** |

## KENNEDY® PVC-Coated Cotton Multi-Tool Rolls

Waterproof, puncture-resistant and rot proof PVC outer with medium duty, non-scratch cotton inner. With 15 pleated pockets, two webbed ties. Tools secured with flap cover.

**Tools Not Included**

| Size (mm) | Weight each | Order Code KEN-593 |
|---|---|---|
| 660 x 320 | 390g | **-0440K** |

## KENNEDY® PVC-Coated Rayon Tool Rolls

Waterproof, puncture-resistant and rot proof PVC outer with soft non-scratch rayon inner to protect tools.

**Multi** - With 14 pockets. Tools secured by flap cover with two webbed ties.

**Tools Not Included**

| Size (mm) | Weight each | Order Code KEN-593 |
|---|---|---|
| 650 x 270 | 270g | **-0870K** |

## KENNEDY® Bench Stone Holder

To suit stone size 200 x 50 x 25mm.

**Stone not included**

| Weight each | Order Code KEN-593 |
|---|---|
| 120g | **-7020K** |

## KENNEDY Pro Multi-Purpose Tool & Laptop Bag

Ideal for service engineers. Manufactured from a 600 denier fabric that is exceptionally durable and hard wearing. With large internal compartments (one padded for a laptop), pockets and elasticated tool holders it will help to ensure you have the right tool on site when you require it.

**Features include:**
Padded laptop holder.
Business card holder.
Adjustable shoulder strap.
Padded handles and strap.
Heavy duty zips and rubber feet.
3x large internal compartments.
15xinternal pockets.
2x external pockets.
46x elasticated tool holders.

Tools Not Included

| Size (H x W x D) | Weight each | Order Code KEN-593 |
|---|---|---|
| 335 x 530 x 190mm | 1.5kg | -5050K |

## KENNEDY Pro Electrician's Tool Bag

Manufactured from heavy duty tear resistant material with reinforced stitched edging. Hook 'n' loop fastening flap with soft touch carry handle and double webbed shoulder strap fixed with metal release clasps. Two small organiser cases stored in two outer pockets, two removable tool boards (one velcro fastened) are kept inside. Unique tool storage securing system built-in.

Tools Not Included

| Size L x D x H (mm) | Order Code KEN-593 |
|---|---|
| 320 x 340 x 125 | -0560K |

## SENATOR QUALITY TOOLING Canvas Holdall

Manufactured from heavy duty water resistant canvas. Handles wrap underneath the bag for added strength, fitted with a heavy-duty zip.

| Length (mm) | Weight each | Order Code SEN-593 |
|---|---|---|
| 460 (18") | 250g | -0560K |
| 610 (24") | 335g | -0580K |
| 760 (30") | 360g | -0600K |

## KENNEDY Pro Heavy-Duty Tool Bags

600 denier durable fabric. Adjustable shoulder straps. Padded handles and straps. Heavy duty zips.

**-0940K:** 11 internal pockets. 17 external pockets. Large internal compartment.
**-0980K:** 13 external pockets. Large internal compartment can be divided to 5 pockets with dividers. Heavy-duty water-resistant base for extra strength.
Business-card holder and key strap.

-0940K

-0980K

| Size (H x W x D) | Weight each | Order Code KEN-593 |
|---|---|---|
| 250 x 470 x 270mm | 1.3kg | -0940K |
| 280 x 340 x 200mm | 1.8kg | -0980K |

## KENNEDY Pro Tool Bumbag with Shoulder Strap

Made of 600 dernier durable fabric with adjustable shoulder and waist straps. It has a large internal compartment with 7 internal and 1 external pockets. Heavy duty zip and padded handles.

| Size H x W x D (mm) | Order Code KEN-593 |
|---|---|
| 170 x 320 x 160 | -0990K |

## KENNEDY Pro Heavy Duty Tool Caddy

600 denier durable fabric. Adjustable shoulder strap. Locking telescopic handle. 26 internal pockets. 12 external pockets. Large internal compartment. Padded handles and strap. Heavy duty zip.

| Size (H x W x D) | Weight each | Order Code KEN-593 |
|---|---|---|
| 370 x 480 x 260mm | 2kg | -0960K |

## KENNEDY Tool Backpack

NEW

- Middle compartment has pouches for smaller component storage with padlockable zip closures (padlocks sold separately)
- Main compartment supplied with a double-sided tool panel with padlockable zip closures (padlocks sold separately)
- Four rubber feet at the base protect flooring against damage
- Extra padding at the back of the bag for user comfort when in motion

**H x W x D:** 400 x 140 x 300mm
**Weight:** 2.3kg

**Tools Not Included**

| Width | Order Code KEN-593 |
|---|---|
| 14cm | -4130K |

## KENNEDY Adjustable Tool Belt

NEW

- Tool pockets are stitched for strength
- Belt is adjustable using a buckle system for customised fitting
- Includes a hammer holder and tape holder for easy access when on the move
- Manufactured from tear-proof material for product longevity

**Tools Not Included**

| Width | Order Code KEN-593 |
|---|---|
| 500mm | -4110K |

## KENNEDY Pilot Tool Bag

NEW

- Hard plastic base for strength when carrying heavier equipment
- Three compartments provide ample room for tools and a laptop (up to 15.6in.)
- Front and back compartments include pouches for storage of smaller components
- External pockets on both sides for quick access to frequently used tools
- Front compartment is detachable to easily convert into a tool bag only

**H x W x D:** 360 x 205 x 420mm
**Weight:** 2.1kg

| Width | Order Code KEN-593 |
|---|---|
| 20.5cm | -4210K |

## KENNEDY Soft Tool Bag

NEW

- Hard plastic base provides strength when carrying heavier tools
- Heavily padded pouches store tools safely and protect them from knocks and drops
- Main compartment features internal pockets for the storage of various sized tools and components
- Includes an ID label pocket on the back of the bag for user convenience

**H x W x D:**
300 x 210 x 520mm (4150K)
300 x 230 x 410mm (4170K)
**Weight:**
1.55kg (4150K)
1.3kg (4170K)

**Tools Not Included**

| Width | Order Code KEN-593 |
|---|---|
| 21cm | -4150K |
| 23cm | -4170K |

## KENNEDY Open Tote Tool Bag

NEW

- Includes a robust metal handle for strength when carrying heavier tools and equipment
- Swing-down front and rear walls provide excellent access and visibility of tools
- Front and rear walls maintain a ninety-degree opening

**H x W x D:** 280 x 230 x 410mm
**Weight:** 1.4kg

**Tools Not Included**

| Weight | Order Code KEN-593 |
|---|---|
| 1.4kg | -4190K |

From start to finish

Your No. 1 choice for abrasive supplies

A comprehensive range of abrasive products – all backed with expert knowledge and support.

Visit our website to find out more

Keeping Industry Working™

## KENNEDY® Impact Resistant Service Case

Ribbed high strength plastic case with aluminium reinforced trim. Two fitted and hinged tool boards with elasticated tool retaining loops. Lockable with two keys.
Padded carry handle.

Tools Not Included

| Size (mm) | Weight each | Order Code **KEN-593** |
|---|---|---|
| 430 x 340 x 160 | 2.95kg | **-2450K** |

## KENNEDY® Tool Case, High Impact with TSA Locks

- Durable corrosion-shock and temperature resistant construction
- Full length heavy-duty piano hinge for easy opening
- Two expandable document pockets, two hinged and fitted tool boards with elasticated tool retaining loops
- TSA locks allows security forces access to luggage without damaging the cases.

Tools Not Included

| Size (mm) | Weight each | Order Code **KEN-593** |
|---|---|---|
| 485 x 370 x 190 | 7.5kg | **-2710K** |

## KENNEDY® Heavy Duty Rugged Explorer Cases

**NEW**

This range of explorer cases are all watertight, waterproof, sand-proof and dust-proof, offering excellent resistance against shocks and harsh weather. They are designed specifically to transport sensitive devices such as electronics and documentation. Made of copolymer polypropylene, the cases are resistant to both cold and hot temperatures (-33°C / +90°C) and are durable, long-lasting transportation devices.

- Heavy-duty cases
- Jam-free purge valve and latches
- Water, chemical and temperature resistant

**-4396K**

**-4397K**

**-4398K**

**-4399K**

**-4400K**

| Length (mm) | Width (mm) | Height (mm) | Weight (kg) | Order Code **KEN-593** |
|---|---|---|---|---|
| 410 | 340 | 205 | 3.58 | **-4396K** |
| 520 | 435 | 230 | 5.4 | **-4397K** |
| 550 | 350 | 225 | 4.5 | **-4398K** |
| 670 | 510 | 372 | 12.65 | **-4399K** |
| 860 | 560 | 355 | 16.39 | **-4400K** |

## SENATOR QUALITY TOOLING Executive Engineer's Aluminium Tool Case

Large, lightweight case for tool storage, ideal for the mobile engineer. Offers the storage and portability of a large amount of tooling with the professional look of a briefcase. Black aluminium case with silver reinforced edges and corners. Internal base compartment is fitted with adjustable dividers to offer choice of sizes. Removable rigid tool board stored in the lid with 17 pockets of various sizes. 1" wide, length adjustable lightweight nylon shoulder strap with rubber shoulder protector for added comfort. Supplied with fixed handle and two security locks and keys.

| Size (mm) | Weight each | Order Code SEN-593 |
|---|---|---|
| 457 x 330 x 150 | 5.70kg | -4360K |

## SENATOR QUALITY TOOLING Service Engineer's Aluminium Tool Case

Heavy duty case for tool storage, ideal for the mobile service-engineer. Offers the storage of many tools with the professional look of a briefcase. Silver aluminium with reinforced edges and corners. Internal base compartment is fitted with adjustable dividers to offer choice of sizes. Removable rigid tool board stored in the lid with 17 pockets of various sizes. Supplied with fixed handle and two security locks and keys.

| Size (mm) | Weight each | Order Code SEN-593 |
|---|---|---|
| 457 x 330 x 150 | 3.00kg | -4400K |

## KENNEDY Tool Case, HPDE Resin High Capacity with TSA Locks

- TSA locks allows security forces access to luggage sout damaging the cases
- Special extra thick aluminium trim for tight closure.
- Complete with two tool boards, each with 31 elasticated tool loops, an expaable document compartment, three Malý organisers a a customisable storage compartment with dividers

Supplied without tools

| Width (mm) | Height (mm) | Depth (mm) | Order Code KEN-593 |
|---|---|---|---|
| 470 | 390 | 347 | -2785K |

## KENNEDY Technical Service Tool Case

Constructed from impact and temperature resistant injection moulded high thickness polypropylene. The case has a large thick aluminium trim with a strength maximising triple metal hinge. It is highly functional with a significant load carrying capability but has a classy appearance to suit the technician's image.

**Features include:**
Injection moulded high thickness polypropylene. Telescopic handle and heavy duty rubber wheels. Two removable tool trays. Storage area with removable dividers. Two clasps with key locks.

**Tool Case, Polyethylene with TSA Locks**

| Weight (kg) | Order Code KEN-593 |
|---|---|
| 2.85 | -2505K |

**Tools Not Included**

| Size L x D x H (mm) | Weight each | Order Code KEN-593 |
|---|---|---|
| 465 x 352 x 215 | 7.00kg | -2520K |

## KENNEDY® Heavy-Duty Site Tool Box Set

NEW

- Soft grip carry handle for comfort
- Plastic overriders to prevent damage
- Handy V section for cutting pipes
- The tote trays are perfect to store smaller items safely
- Metal latches ensure the boxes stay closed even in transit to prevent loss off tools

| Contents | Order Code KEN-593 |
|---|---|
| Set of 2 | -1400K |

## KENNEDY® Tool Box With Tote & Organiser

Made from impact resistant high-density plastic. Internal eight compartment tote tray with retractable carry handle and stacking 16-compartment organiser, moulded metric scale on the lid, lid locking clasps and sturdy plastic handle that also locks lid shut when lifting. With lock hasp and piano hinge.

| Size (mm) | Order Code KEN-593 |
|---|---|
| 480 x 240 x 260 | -2320K |

## YAMOTO Heavy Duty Site Tool Boxes

Powder coated. Soft grip carrying handle and lightweight design. The black plastic overriders add to the overall ruggedness helping to prevent damage to the box or items around it. The lid has 'V' section to allow measuring and cutting short lengths of pipe. There is a tote tray for smaller items. Fitted with heavy-duty metal latches designed to stay closed even when in transit.

| Width (mm) | Depth (mm) | Height (mm) | Order Code YMT-593 |
|---|---|---|---|
| 470 | 238 | 178 | -1420K |
| 582 | 298 | 255 | -1440K |
| 2 Piece Set - (1 of each above) | | | -1400K |

## KENNEDY® Heavy-Duty Site Tool Boxes

NEW

- Heavy duty metal latches protect and secure your tools as well as the padlock eye (padlock sold separately)
- 'V' groove on the old allows for measuring and cutting short lengths of pipes or wood materials
- Black plastic over-riders add durability to the product and help to prevent damage to the most common areas of wear
- Soft grip carry handle allows for ease of transportation

-1420K

-1440K

| Product Type | Dimensions (H x W x D) | Weight | Order Code KEN-593 |
|---|---|---|---|
| Tool boxes | 255 x 298 x 582mm | 1.8 | -1440K |
| Tote tray | 178 x 238 x 470mm | 3kg | -1420K |

## KENNEDY® Power Tool Case

Sturdy plastic case, suitable for a variety of tools, such as angle grinders, honing machines, drills, planes, sanders, etc.

| Size (mm) | Order Code KEN-593 |
|---|---|
| 420 x 260 x 160 | -1020K |

## KENNEDY® Steel Tool Tidy

Made from heavy gauge steel with double folded seams. For storing and transporting portable power tools and other items that require an industrial case for protection.

| Size (mm) | Order Code KEN-593 |
|---|---|
| 270 x 115 x 400 | -1000K |

## KENNEDY® Tool Box with Tote

Manufactured from impact resistant high-density plastic. Internal eight compartment tote tray. Features moulded metric rule on the lid, lid locking clasps and sturdy plastic handle that also locks lid shut when lifting. Padlock hole and piano hinges.

| Size (mm) | Order Code KEN-593 |
|---|---|
| 445 x 240 x 220 | -2300K |

# TOOL BOXES

## KENNEDY® Multi-Utility Storage Box

A lightweight high capacity injection moulded polypropylene box for tough, heavy duty use. Water-resistant design and integral lifting grips on both sides. The lid features a full length steel pin hinge with 'positive pressure' cam style clasping mechanism that seals the case to create a water-resistant closure. Also features integral trolley suit-case style wheels and a pull-out handle, a robust fold flat carry handle and a slide out clear ID/nameplate holder. Shock-resistant and corrosion-proof. Moulded padlocking hasp and stacking locators.

**Tools Not Included**

| Size WxDxH (mm) | Order Code KEN-593 |
|---|---|
| 780 x 410 x 330 | -1600K |

## KENNEDY® 4-Drawer Tool Chest

- Manufactured from high impact co-polymer polypropylene.
- Metric graduated V-groove in the lid securely holds workpiece while being cut.

Features 4 sliding drawers enclosed with a slide clasp front panel to prevent opening whilst in transit. Top carry handle with soft touch grip zone and large locking clasps. Front cover panel and lid have aligning padlock hole for added security.

**Tools Not Included**

| Size WxDxH (mm) | Order Code KEN-593 |
|---|---|
| 450 x 250 x 325 | -1500K |

## KENNEDY® Mobile Tool Box

Sturdy mobile tool box with a large lower storage area for power tools, etc. The tool box has an integral handle slides out for ease of transport, two nested tote trays for smaller tools. The lockable lid has two storage compartments for fixings.

**Tools Not Included**

| Size WxDxH (mm) | Order Code KEN-593 |
|---|---|
| 580 x 370 x 480 | -2000K |

## KENNEDY® 20" Toolbox with 9 Organisers & Tote Tray

Lightweight reinforced body for added strength and durability. Supplied with 3 removable organisers with lids and 6 organiser compartments built into the lid. Includes removable tote tray with handle.

| Size WxDxH (mm) | Order Code KEN-593 |
|---|---|
| 580 x 370 x 480 | -2360K |

## KENNEDY® Tool Box with Tote & Wheels

- Recessed rigid handle for tilting box onto wheels for easy transportation.
- Large clasps to lock lid when in transit/storage and padlock hole for security.
- Recessed carrying handle allows stacking.
- Five-compartment tote tray also features opaque lids on the two end compartments with moulded snap clasps to prevent accidental opening.

**Weight:** 3.30kg.

| Size WxDxH (mm) | Order Code KEN-593 |
|---|---|
| 645 x 280 x 300 | -2340K |

## KENNEDY® Tote Tool Organisers

Multi-purpose tote tray organisers are an ideal way to store and transport tools. The tote provides two deep trays for storage, built-in tool holders and a ribbed handle for extra grip.

**Small:** 392 x 279 x 147mm.
**Large:** 520 x 340 x 200mm.

**Tools Not Included**

| Size | Order Code KEN-593 |
|---|---|
| Small | -2040K |
| Large | -2070K |

## KENNEDY 5 Compartment Cantilever Tool Box

- Compartment bottoms lined with foam to help prevent damage to tools
- Integral full length double handle for carrying and opening
- Folding lids are stiffened for extra durability
- Edges are deburred for safety
- Can be secured with a padlock (padlock not included)
- Painted for rust prevention
- 25kg load capacity
- KEN5931280K includes 5 foams

| Order Code KEN-593 |
|---|
| -1280K |

## KENNEDY Industrial Cantilever Tool Boxes

Manufactured from industrial quality steel with an all welded construction, these red cantilever toolboxes are ideal for professional use. With a large base compartment and four cantilever trays, there is ample space for your most used hand tools and small components.

| Overall Length | Overall Width | Overall Depth | Weight each | Order Code KEN-593 |
|---|---|---|---|---|
| 430mm | 205mm | 205mm | 5.30kg | -1170K |

## KENNEDY Barn-Type Tool Boxes

Manufactured from heavy gauge steel of rigid construction for continuous industrial use. Large base compartment. Removable tray for easy access to most used items. Hard wearing cellulose paint finish. Two piece lid doors that overlap with padlock hole for added security. Full width piano hinges provide rigidity a strength. Supplied with fixed carry hale on the lid.

| Overall Length | Overall Width | Overall Depth | Weight each | Order Code KEN-593 |
|---|---|---|---|---|
| 355mm | 205mm | 185mm | 3.00kg | -2140K |
| 480mm | 205mm | 185mm | 4.40kg | -2190K |

## KENNEDY Plastic Key Holder

- Holds up to 15 Key for quick access
- Wall mountable offering convenient storage
- Keeps tools neat, preventing cluttering
- Easy Size identification simplifies tool selection

| Order Code KEN-593 |
|---|
| -3025E |

## KENNEDY HD Compact Logic Toolbox System

Four-in-One organiser system. HD handles and metal fasteners. Pull handle has locking system. The wheels are plastic with a protective rubber layer. Large tools container, deep tray with four organisers on the lid with Polycarbonate covers.

| Height | Width | Depth | Order Code KEN-593 |
|---|---|---|---|
| 645mm | 450mm | 350mm | -2790K |

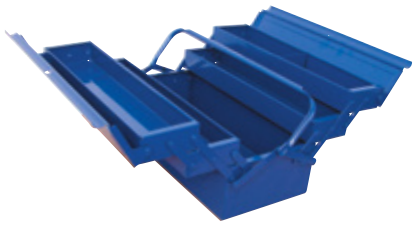
## KENNEDY All In One Professional Tool Box

- Telescopic handle
- Highly versatile configurations
- Various compartment and drawers of different sizes
- Central lock and key system

| Length | Width | Height | Weight kg | Order Code KEN-593 |
|---|---|---|---|---|
| 581mm | 381mm | 455mm | 13.35 | -4395K |

## SENATOR QUALITY TOOLING Cantilever Tool Boxes

Steel construction with two piece cantilever lids with padlock hole for additional security.
Large base compartment with four easy access cantilever trays for additional storage. The full width carry handle automatically closes the trays when lifting.



| Size (mm) | Order Code SEN-593 |
|---|---|
| 430 (17") | -1370K |
| 530 (21") | -1410K |

## SENATOR QUALITY TOOLING Barn-Type Tool Box

Steel construction with base compartment for larger items and removable upper tray for smaller, most used items.

| Size (mm) | Order Code SEN-593 |
|---|---|
| 355 (14") | -1540K |

# TOOL BOXES



## KENNEDY Pro 18" Professional Cantilever

Heavy gauge steel with all-welded construction for continuous industrial use. Durable corrosion-resistant two part epoxy powder coat finish. Fully enclosed cantilever mechanism for added security. Quick release lid clasps with padlock hole for security. Two- piece cantilever lids that can be padlocked for additional security (padlock not included). Full width piano hinges provide rigidity and strength. Large base compartment (450 x 260 x 170mm) with four cantilever trays for additional storage. The cantilever action of the top trays makes tray contents instantly available. Supplied with fixed carry handle on the lid.

| Width (mm) | Depth (mm) | Height (mm) | Weight each | Order Code **KEN-594** |
|---|---|---|---|---|
| 459 | 255 | 333 | 9.10kg | **-0140K** |

## KENNEDY Industrial Cantilever Tool Boxes

Manufactured from industrial quality steel with all welded construction. Durable corrosion-resistant two-part epoxy powder coat finish. Two piece cantilever lids with padlock hole for additional security. Large base compartment with four partitioned, instant access Můžetilever trays for additional storage. Plný width carry hale also automatically closes trays when lifting.

| Overall Length | Overall Width | Overall Depth | Weight each | Order Code **KEN-593** |
|---|---|---|---|---|
| 560mm | 205mm | 205mm | 6.10kg | **-1210K** |

## KENNEDY Pro Heavy Duty Tool Boxes

Heavy gauge steel, all welded construction. Durable and corrosion resistant two-part epoxy powder paint finish. With quick release lid clasps, padlock hasps and textured carry handles. Full width piano hinges provide rigidity and strength, ensuring smooth operation and additional security. Removable tote tray for smaller tools and components. Can be padlocked for additional security (padlock not included). Supplied with fixed carry handle on the lid.

| Width (mm) | Depth (mm) | Height (mm) | Weight each | Order Code **KEN-594** |
|---|---|---|---|---|
| 483 | 180 | 180 | 3.65kg | **-0040K** |
| 508 | 218 | 243 | 6.35kg | **-0060K** |

## KENNEDY Barn Type Tool Boxes

- Manufactured from a heavy duty gauge steel making it a durable and robust product that's resistant to everyday wear and tear
- Comprised of a large base compartment for power tools and bigger tools and a removable tote tray for your smaller components and most used hand tools for easy access
- Full width piano hinges that bolster rigidity and strength of the product
- Handy fixed carry handle for ease of transportation
- Ideal for use on construction sites due to its heavy duty structure, but can also be used as a sturdy option for a DIY enthusiast or hobbyist

| Length | Width | Height | Weight kg | Order Code **KEN-593** |
|---|---|---|---|---|
| 610mm | 205mm | 185mm | 5 | **-2240K** |

## KENNEDY Combination Pouches

Leather, made with one pocket, two loops and nail pouch. Belt not included.

Tools not included

| Size (mm) | Weight each | Order Code **KEN-593** |
|---|---|---|
| 280 x 270 | 310g | **-3600K** |

Manufactured from leather with a fully riveted double stitched construction. Chrome leather, five pockets and one loop. Belt not included.

Tools not included

| Size (mm) | Weight each | Order Code **KEN-593** |
|---|---|---|
| 210 x 250 | 340g | **-3450K** |

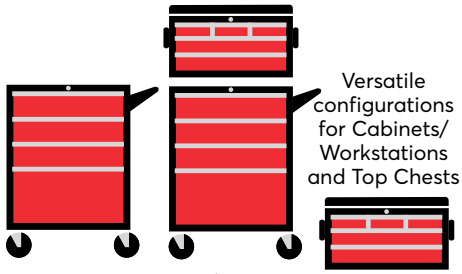
Leather, made with five pockets and one loop. Belt not included.

Tools not included

| Size (mm) | Weight each | Order Code **KEN-593** |
|---|---|---|
| 250 x 280 | 360g | **-3460K** |

## KENNEDY Pro™ Ultimate Range Roller Cabinets/Workstation & Top Chests

- Anti-rust and solvent resistant powder coat finish protects against incidental damage
- Two part construction with strong steel inner walls and reinforced back panels
- Perforated sides optimise space with easy to install accessories and tool holders
- 45˚ angled corners protect against mobility strains and preserve unit shape
- Plastic bumpers on each corner protect against impact
- Non-slip EVA 3mm drawer liners prevent damage and protect tools
- Fully opening drawers for greater access
- 45mm Ball bearing slides give good drawer stability and smooth action even under load
- Strong ergonomic side handles either side of the unit
- Full height rear locking mechanism with cylinder locks for greater security
- Top chest designed to combine with roller cabinets for maximum storage



Versatile configurations for Cabinets/ Workstations and Top Chests

Cabinet/ Workstation

Cabinet/ Workstation & Top Chest

Top Chest

Tool Control inlay sets
Pages 505-508

**Top Chest**
6 Drawer with Top Compartment

**Draw Load Capacity kg**

| | |
|---|---|
| -2240K | 40 - 45kg |
| -2140K | 40 - 45kg |
| -2340K | 40 - 45kg |
| -6800K | 40 - 45kg |

**Roller Cabinet**
5 Drawer

**Roller Cabinet**
7 Drawer

**Accessories & Spares See Page 504**

**Workstation**
10 Drawer & Cabinet

### Top Chest

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 6 | 710 | 465 | 455 | **-2240K** |

### Roller Cabinets

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 5 | 710 | 465 | 845 | **-2140K** |
| 7 | 710 | 465 | 845 | **-2340K** |

### Workstation

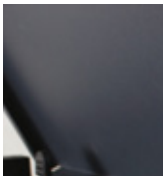
| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 10 | 1123 | 791 | 844 | **-6800K** |

## Ultimate Range Features

Lockable Castors

Keyed Drawer Locking Mechanism

45˚ angled corner protection



Gas Struts for extra safety

Ergonomic Handles

Full width drawer (KISS) catches

45mm Ball Bearing Slides

# ROLLER CABINETS & TOP CHESTS



## KENNEDY Pro. Stainless-Steel Roller Cabinet

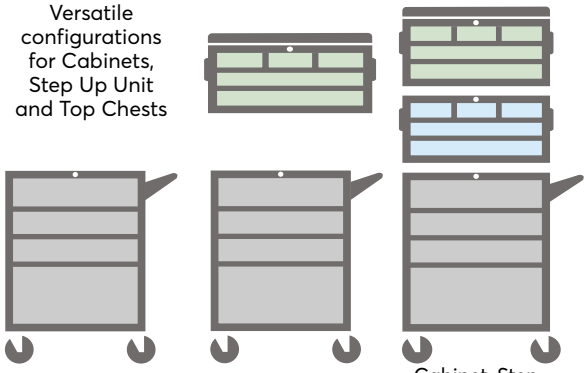
- Rust-resistant stainless steel construction provides long-lasting durability
- Non-slip EVA liners protect tools from damage
- Smooth ball bearing slides ensure stability and smooth drawer action
- Ergonomic handle allows for easy transport

| Overall Length | Overall Width | No. of Drawers | Maximum Weight Capacity | Order Code KEN-594 |
|---|---|---|---|---|
| 678mm | 459mm | 115 | 550kg | -2422K |

## KENNEDY Pro. Classic Range - Extra Deep, Heavy Duty Cabinets and Top Chests

- Heavy gauge steel, welded and riveted
- Extremely rigid construction
- Over 25% deeper than standard size tool chests and cabinets
- Two part epoxy powder paint finish
- Excellent corrosion-resistance and durability
- Central locking system
- Full width piano hinge provides rigidity, strength and additional security
- Drawers have smooth running ball bearing slides with a safety catch
- Drawers have rigid aluminium edged handles
- Heavy Duty Castors for the cabinets
- Top Chests can be used on top of the Cabinet or as a standalone unit

Versatile configurations for Cabinets, Step Up Unit and Top Chests



Cabinet

Cabinet & Top Chest

Cabinet, Step Up Unit & Top Chest

**Roller Cabinet**
11 Drawers

| Draw Load Capacity kg | |
|---|---|
| -4845K | 20 - 30kg |
| -5745K | 15 - 40kg |
| -4825K | 20kg |

**For Spares see Page 504**
Top Chests use 14" drawer slides.

**Roller Cabinet**
7 Drawers

**Top Chest**
3 Drawers with Top Compartment

**Roller Cabinets**

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 7 | 699 | 458 | 993 | -4845K |
| 11 | 1067 | 458 | 1007 | -5745K |

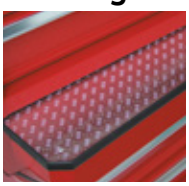
**Top Chests & Step-up Unit**

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 3 | 684 | 445 | 585 | -4825K |

## Classic Range Extra Deep, Heavy Duty Features

Heavy Duty Castors

Cabinet Side Handle



Checker-plate Top

Lockable Stays

Heavy Duty Chest Handles

Individual Catches

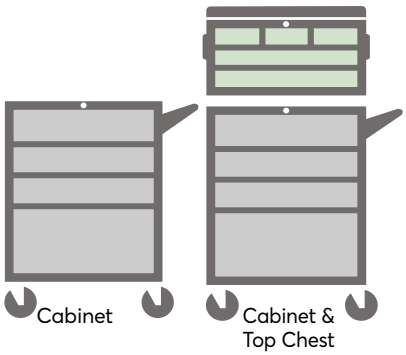
Ball Bearing Slides

# ROLLER CABINETS & TOP CHESTS



## KENNEDY Pro™ Classic Range - Extra Wide, Heavy Duty Cabinets & Top Chests

- Manufactured from heavy gauge steel with double wall construction side panels and welded joints for added rigidity
- Coated in a hard wearing epoxy powder
- Fully opening drawers for extra accessibility
- Quick release smooth running ball bearing drawer slides
- Supplied with top mat and drawer liners.
- Fully locking. 125 x 50mm heavy duty extra strong castors, fitted with two brakes
- Castors are rated to 100kg capacity standing load per castor
- Roller cabinets are not suitable for frequent relocation when loaded




**Top Chest 12 Drawers with Top Compartment**

**Top Chest** 6 Drawers with Top Compartment

**Top Chest** 10 Drawers with Top Compartment

**Roller Cabinet** 7 Drawers

| Draw Load Capacity kg | |
|---|---|
| -5705K | 20 - 40kg |
| -4885K | 15 - 40kg |
| -4865K | 15 - 20kg |
| -5785K | 15 - 20kg |
| -5280K | 10 - 25kg |

**For Spares see Page 504**
Top Chests use 14" drawer slides.

**Roller Cabinet** 10 Drawers

**Roller Cabinets**

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 7 | 1067 | 458 | 1007 | **-5705K** |
| 10 | 1067 | 458 | 1080 | **-4885K** |

**Top Chests**

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 6 | 1051 | 445 | 584 | **-4865K** |
| 10 | 1051 | 445 | 552 | **-5785K** |
| 12 | 690 | 445 | 490 | **-5280K** |

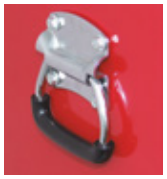
## Classic Range Extra Wide, Heavy Duty Features

Heavy Duty Castors

Cabinet Side Handle

Checker-plate Top

Lockable Stays


Heavy Duty Chest Handles

Individual Catch-es

Ball Bearing Slides

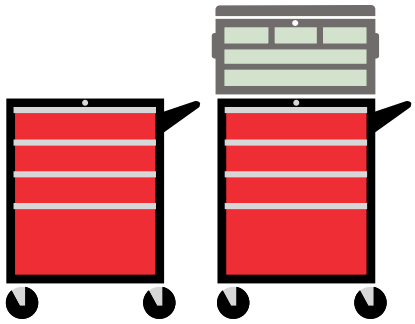
# ROLLER CABINETS & TOP CHESTS



## KENNEDY Pro. Classic Red Range Cabinet, Top Chests & Service Cart

For Spares see Page 504

- Manufactured from heavy gauge steel with double wall construction side panels and welded joints for added rigidity
- Coated in a hard wearing epoxy powder
- Fully opening drawers for extra accessibility
- Quick release smooth running ball bearing drawer slides with double sliders on base drawer
- Supplied with top mat and drawer liners
- Fully locking. 125 x 50mm heavy-duty extra strong castors, fitted with two brakes
- Castors are rated to 100kg capacity standing load per castor
- Drawer loads should be evenly distributed
- Roller cabinets are not suitable for frequent relocation when loaded, and when moved should only ever be pushed



Versatile configurations for Cabinets and Top Chests

Cabinet | Cabinet & Top Chest | Top Chest

Tool Control inlay sets
Pages 505-508

**Top Chest**
3 Drawers with Top Compartment

**Top Chest**
6 Drawers with Top Compartment

**Roller Cabinet**
5 Drawers

**Roller Cabinet**
3 Drawers

### Top Chests

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 3 | 690 | 385 | 385 | **-5200K** |
| 6 | 690 | 315 | 385 | **-5240K** |

**Service Cart**
4 Drawers with Top Compartment

**Draw Load Capacity kg**

| | |
|---|---|
| -5580K | 20 - 45kg |
| -5200K | 15kg |
| -5240K | 10 - 15kg |
| -2050K | Total 150kg |

**Roller Cabinet**
7 Drawers

### Service Cart

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 4 | 650 | 500 | 960 | **-2050K** |

### Roller Cabinets

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 3 | 690 | 460 | 890 | **-5500K** |
| 5 | 690 | 460 | 890 | **-5540K** |
| 7 | 690 | 440 | 890 | **-5580K** |

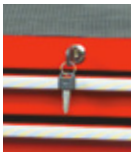
## Classic Red Range Features

125mm Locking Castors

16" drawer ball bearing slides

Side Handles on Cabinets

Lockable Stays



Lockable Drawers

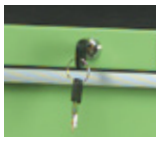
## KENNEDY Pro™ Classic Green Range Roller Cabinets

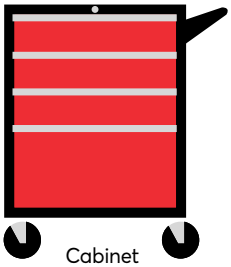
- Manufactured from heavy gauge steel with double wall construction side panels and welded joints for added rigidity
- Coated in a hard wearing epoxy powder
- Fully opening drawers for extra accessibility
- Quick release smooth running ball bearing drawer slides with double sliders on base drawer
- Supplied with top mat and drawer liners
- Fully locking. 125 x 50mm heavy-duty extra strong castors, fitted with two brakes
- Castors are rated to 100kg capacity standing load per castor
- Drawer loads should be evenly distributed
- Roller cabinets are not suitable for frequent relocation when loaded, and when moved should only ever be pushed

### Classic Green Range Features

Lockable strong castors

Cabinet Handle


Lockable Drawers


Cabinet

**Draw Load Capacity kg**

| | |
|---|---|
| -5510K | 25kg |
| -5550K | 25 - 45kg |
| -5590K | 20 - 45kg |

**For Spares see Pages 504**

Tool Control inlay sets
Pages 505-508

**Roller Cabinet**
3 Drawers with Compartment

**Roller Cabinet**
5 Drawers

**Roller Cabinet**
7 Drawers

**Roller Cabinets - Green**

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code **KEN-594** |
|---|---|---|---|---|
| 3 | 690 | 440 | 890 | **-5510K** |
| 5 | 690 | 440 | 890 | **-5550K** |
| 7 | 690 | 440 | 890 | **-5590K** |

## KENNEDY Pro™ Magnetic Tool Tray

Suitable for keeping small parts, components and tools near to hand when working on vehicles, domestic appliances and other equipment.

- Steel corrosion-resistant tray
- 3x magnets in non-scratch coating

21T144CB03: 310 x 115 x 31mm

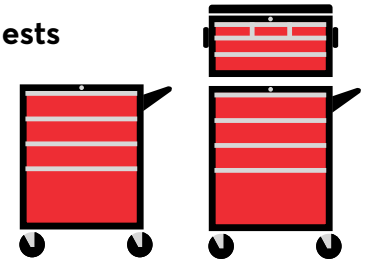
| Length mm | Width mm | Depth mm | Order Code **KEN-594** |
|---|---|---|---|
| 310 | 115 | 115 | **-6520K** |

# ROLLER CABINETS & TOP CHESTS



## KENNEDY Industrial Range
## Roller Cabinets / Workstation & Tool Chests

- Anti-rust and solvent resistant powder coat finish
- Perforated sides optimise space with easy to install accessories
- Steel inner walls for added strength and extra rigidity
- Non-slip EVA top mat and liners prevent damage and protect tools
- Fully opening drawers with magnets to secure them in place
- 45mm Ball bearing slides give good drawer stability and smooth action
- Locking system with cylinder locks for added security
- Strong ergonomic side handle, which can fit to either side of the unit
- 125mm diameter castors with lockable brakes absorb shock
- Spring loaded catches prevent drawers opening when repositioning
- Workstation has larger top surface and additional storage in Lockable side cupboards, complete with gas struts



Cabinet/ work station

Cabinet/ Workstation & Top Chest

Versatile configurations for Cabinets/ Workstations and Top Chests

Top Chest

Tool Control inlay sets
Pages 505-509

**Top Chest**
3 Drawers with Top Compartment

**Top Chest**
12 Drawers with Top Compartment

**Top Chest**
6 Drawers with Top Compartment

**Roller Cabinet**
7 Drawers

**Roller Cabinet**
3 Drawers with Compartment

| Draw Load Capacity kg |
|---|
| -2020K 30 - 35kg |
| -2120K 30 - 35kg |
| -2320K 30 - 35kg |
| -2920K 30 - 35kg |
| -2040K 30 - 35kg |
| -2220K 30 - 35kg |
| -2420K 30 - 35kg |

**Accessories & Spares See Page 504**

**Workstation**
5 Drawers & 2 Compartments

### Roller Cabinets & Workstation

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 3 | 710 | 465 | 845 | **-2020K** |
| 5 | 710 | 465 | 845 | **-2120K** |
| 7 | 710 | 465 | 845 | **-2320K** |
| **Workstation** | | | | |
| 5 | 907 | 474 | 815 | **-2620K** |

### Top Chests

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-594 |
|---|---|---|---|---|
| 3 | 710 | 465 | 375 | **-2040K** |
| 6 | 710 | 465 | 455 | **-2220K** |
| 12 | 710 | 465 | 485 | **-2420K** |

## Industrial Range Features

Lockable Castors

Lockable Steel Stays (gas struts optional)

Corner Protection on top chest

Side Carry Handles

Ergonomic Side Handle

Spring Loaded Drawer Catches

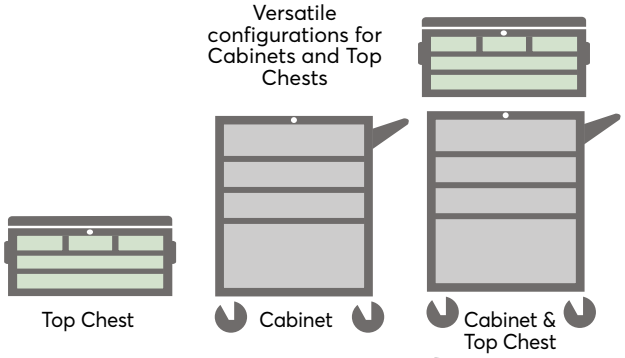
45mm Ball Bearing Slides

# ROLLER CABINETS & TOP CHESTS



## SENATOR QUALITY TOOLING Classic Blue Range Roller Cabinets & Tool Chests

- Powder coated finish in blue/grey
- Steel panel construction
- Aluminium drawer pulls
- Foam drawer liners
- Ball bearing drawer slides
- 100mm heavy duty castors with 2x brakes
- Fully locking.
- Roller cabinets should not be pushed.



**Top Chest**
3 Drawers with Top Compartment

**Top Chest**
6 Drawers with Top Compartment

| Draw Load Capacity Kg | |
|---|---|
| -0200K | 10Kg |
| -5240K | 15 - 20Kg |
| -5580K | 15 - 20Kg |
| -1550K | 25Kg |
| -1570K | 25Kg |

**Roller Cabinet**
5 or 7 Drawer

**Roller Cabinet**
7 Drawer

**For Spares see Page 504**

### Top Chests

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code SEN-594 |
|---|---|---|---|---|
| 3 Red | 520 | 218 | 304 | **-0200K** |
| 6 Blue | 668 | 315 | 389 | **-5240K** |

### Roller Cabinets

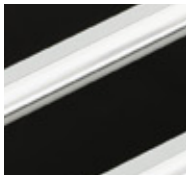
| Colour | Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Order Code SEN-594 |
|---|---|---|---|---|---|
| Blue | 7 | 689 | 459 | 780 | **-5580K** |

| Colour | Overall Length mm | Width mm | Height mm | No. of Drawers | Order Code SEN-594 |
|---|---|---|---|---|---|
| Red | 678 | 459 | 724 | 3 | **-1530K** |
| Red | 678 | 459 | 724 | 5 | **-1550K** |
| Red | 678 | 459 | 724 | 7 | **-1570K** |

## Classic Blue Range Features

Lockable Castors

Lockable Steel Stays


Locking Mechanism

Top Compartment

## KENNEDY Pro Portable Tool Chests

Manufactured from heavy gauge steel with all welded construction. Durable and corrosion-resistant two part epoxy powder paint finish. With quick release lid clasps, padlock hasps and textured carry handles. Full width piano hinges provide rigidity and strength, ensuring smooth operation and additional security.

**2 Drawer**
Two full-length drawers with rigid aluminium lipped handles. Automatically locks the drawers when the lid is closed, to prevent accidental opening.

**Drawer size:**
508 x 190 x 76mm.

**3 Drawer**
Three full-length drawers with rigid aluminium edged handles.
Fully lockable unit with a handle on the top and a carry handle on each end. The lid automatically locks all of the closed drawers when lowered to prevent opening.

**Overall dimensions (W x H x D):**
520 x 340 x 215mm.

**Drawer sizes:**
3 @ 449 x 196 x 54mm.

| Number of Drawers | Width (mm) | Depth (mm) | Height (mm) | Weight each | Order Code KEN-594 |
|---|---|---|---|---|---|
| 2 | 534 | 218 | 288 | 10.4kg | **-0100K** |
| 3 | 520 | 218 | 300 | 10.4kg | **-0120K** |

## SENATOR QUALITY TOOLING 3 Tray Tool Trolley

- Bolted steel construction
- 100mm industrial castors
- Brakes fitted to two end castors
- Hard wearing powder coated finish

| Width mm | Depth mm | Height mm | Order Code SEN-594 |
|---|---|---|---|
| 737 | 383 | 663 | **-4030K** |

# ROLLER CABINET ACCESSORIES



## KENNEDY® Ultimate & Industrial Range Accessories

**Waste Bin**
**Size:** (WxDxH)
300x135x250mm

| Description | Order Code KEN-594 |
|---|---|
| Paper Roll Holder | -1560K |
| ABS Work Top Tray | -1580K |
| 4 Piece Can Holder | -1590K |
| 7 Piece Hook Rack | -1610K |
| 7 Piece Screwdriver | -1630K |
| Tote Tray | -1640K |
| Multifunctional Tray | -1650K |
| Side Tray | -1660K |
| Waste Bin | -1670K |

**Multifunctional Tray**
**Size:** (WxDxH)
320x90x120mm

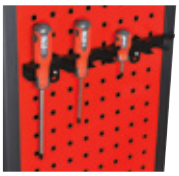
**ABS Work Top Tray**
**Size:** (WxDxH)
720x470x25mm

**7 Piece Hook Rack**
**Size:**
(WxDxH)
325x5x
29mm

**Side Tray**
**Size:** (WxDxH)
300x120x60mm

**4 Piece Can Holder**
**Size:** (WxDxH)
325x90x70mm

**7 Piece Screwdriver Holder**
**Size:**
(WxDxH)
200x39x
65mm



**Tote Tray**
**Size (WxDxH):**
440 x 175 x
85mm

**320mm Paper Roll Holder**
**Size:**
(WxDxH)
20x30x
270mm

## Cabinet & Chest Spares

* Note: Drawer liner size is 583 x 405mm and can be cut to size. All spare keys are supplied as blanks and will need cutting to size.

| Cabinet/Chest Order Code | Lock & Key Order Code SPR-567 | Key Blank Order Code SPR-567 | Castors Order Code SPR-567 | Top Mat Order Code SPR-567 | Draw Liner* Order Code SPR-567 |
|---|---|---|---|---|---|
| KENNEDY | | | | | |
| KEN-594- 2020K | -2870K | -2220K | -2910K | -2800K | -2810K |
| KEN-594- 2040K | -2870K | -2220K | - | - | -2810K |
| KEN-594- 2050K | - | - | - | - | - |
| KEN-594- 2120K | -2870K | -2220K | -2910K | -2800K | -2810K |
| KEN-594- 2140K | -2870K | -2220K | -2920K | -2800K | -2820K |
| KEN-594- 2220K | -2870K | -2220K | - | - | -2810K |
| KEN-594- 2240K | -2870K | -2220K | - | - | -2820K |
| KEN-594- 2320K | -2870K | -2220K | -2910K | -2800K | -2810K |
| KEN-594- 2340K | -2870K | -2220K | -2920K | -2800K | -2820K |
| KEN-594- 2420K | -2870K | -2220K | - | - | -2810K |
| KEN-594- 2620K | - | -2220K | -2910K | - | -2810K |
| KEN-594- 4825K | - | - | - | - | - |
| KEN-594- 4845K | - | - | - | - | - |
| KEN-594- 4865K | - | - | - | - | - |
| KEN-594- 4885K | - | - | - | - | - |
| KEN- 594- 5200K | -1540K | -1580K | - | - | - |
| KEN- 594- 5240K | -1540K | -1580K | - | - | - |
| KEN- 594- 5280K | -1540K | - | - | - | - |
| KEN- 594- 5290K | -1540K | -1580K | - | - | - |
| KEN- 594- 5500K | -1540K | -1580K | - | - | - |
| KEN- 594- 5510K | -1540K | -1580K | - | - | - |
| KEN- 594- 5540K | -1560K | -1580K | - | - | - |
| KEN- 594- 5550K | -1560K | -1580K | - | - | - |
| KEN- 594- 5580K | -1560K | -1580K | - | - | - |
| KEN- 594- 5590K | -1560K | -1580K | - | - | - |
| KEN- 594- 5705K | - | - | - | - | - |
| KEN- 594- 5745K | - | - | - | - | - |
| KEN- 594- 5785K | - | - | - | - | - |
| KEN- 594- 6800K | -2870K | -2220K | -2920K | - | -2820K |
| | | | | | |
| SENATOR QUALITY TOOLING | | | | | |
| SEN- 594- 0200K | - | - | - | - | |
| SEN- 594- 1530K | -2880K | -2260K | -2830K | - | -2810K |
| SEN- 594- 1550K | -2880K | -2260K | -2830K | - | -2810K |
| SEN- 594- 1570K | -2880K | -2260K | -2830K | - | -2810K |
| SEN- 594- 5240K | - | - | - | - | - |
| SEN- 594- 5580K | - | - | -2830K | - | - |

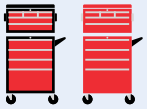
# TOOL CONTROL INLAY SETS



## KENNEDY® Open End Spanner Set - Metric & AF 21 Pieces

**Full** Size

**Inlay contains:**
1x 6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27 and 30x32mm metric spanners 1x ¼"x5/16", 5/16"x3/8", 3/8"x7/16", 7/16"x½", ½"x9/16", 9/16"x5/8", 5/8"x11/16", 11/16"x¾", 3/8"x7/8" and 15/16"x1" AF spanners

| Type | Order Code KEN-595 |
|---|---|
|  | -0060K |
| | -0065K |

## KENNEDY® Combination Spanner Set - Metric 26 Pieces

**Full** Size

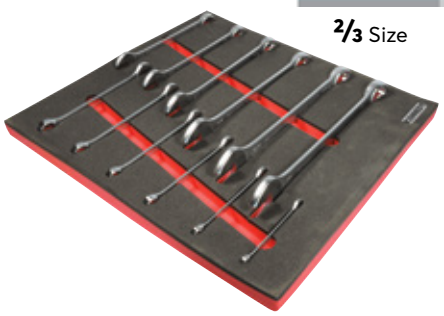
**Inlay contains:**
1x 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 and 32mm

| Type | Order Code KEN-595 |
|---|---|
| | -0090K |
| | -0095K |

## KENNEDY® Combination Spanner Set - AF 12 Pieces

**2/3** Size

**Inlay contains:**
1x ¼", 5/16", 3/8", 7/16", ½", 9/16", 5/8", 11/16", ¾", 7/8", 15/16" and 1" AF Key

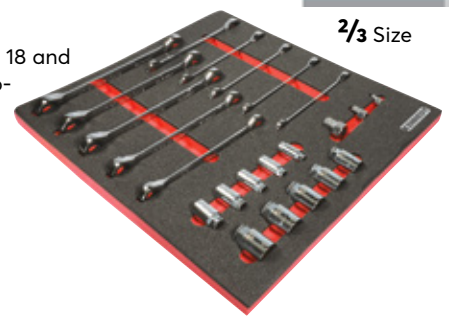


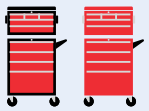
| Type | Order Code KEN-595 |
|---|---|
| | -0110K |
| | -0115K |

## KENNEDY Pro™ Ratchet Spanner & Socket Set - Metric 23 Pieces

**2/3** Size

**Inlay contains:**
1x 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm spanners and Go-Thru™ sockets
1x ¼"x10mm, 3/8"x13mm, ½"x19mm quick release Hex square drives

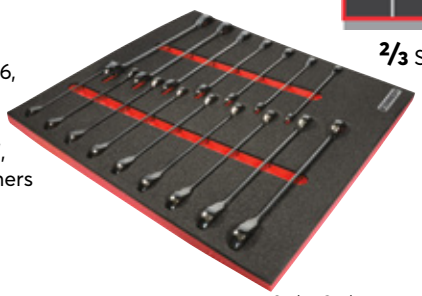


| Type | Order Code KEN-595 |
|---|---|
|  | -0130K |
| | -0135K |

## KENNEDY® Combination Spanner Set - Metric & AF 16 Pieces

**2/3** Size

**Inlay contains:**
1x 10, 11, 12, 13, 14, 15, 16, 17 and 19mm metric spanners
1x 3/8", 7/16", ½", 9/16", 5/8", 11/16" and ¾" AF spanners

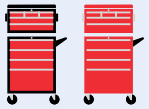


| Type | Order Code KEN-595 |
|---|---|
| | -0120K |
| | -0125K |

## KENNEDY® Combination Spanner Set - Metric 18 Pieces

**2/3** Size

**Inlay contains:**
1x 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 and 24mm

| Type | Order Code KEN-595 |
|---|---|
|  | -0080K |
| | -0085K |

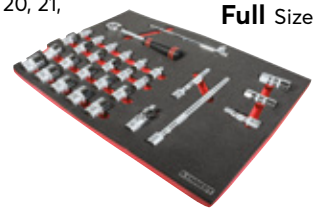
# TOOL CONTROL INLAY SETS



## KENNEDY ½" Socket Set - Metric 30 Pieces

Full Size

**Inlay contains:**
1x 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22,23, 24, 25, 26, 27, 30 and 32mm sockets
1x M10 and M14 Spark plug sockets
1x ratchet handle, sliding T-handle, universal joint and 75, 125, 250mm extension bars



| Type | Order Code KEN-595 |
|---|---|
| | -0220K |
| | -0225K |

## KENNEDY ⅜" Socket Set- Metric 50 Pieces

Full Size

**Inlay contains:**
1x 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm ⅜" sockets
1x 10, 11, 12, 13, 14, 15, 17, 19 and 22mm deep sockets
1x 5, 5.5 and 6.5mm Slotted bits
1x No.1, 2, 3 and No.4 Crosspoint bits
1x 3, 4, 5, 6, 8 and 10mm Hex bits
1x ratchet handle, sliding T-handle, spinner handle, swivel handle, universal joint, 125 and 250mm extensions, 250mm wobble extensions, ¼" and ½" male adaptors, ¼" hex bit coupler

| Type | Order Code KEN-595 |
|---|---|
| | -5020K |

## KENNEDY Pro ½" Screwdriver Bit Set 20 Pieces

⅓ Size

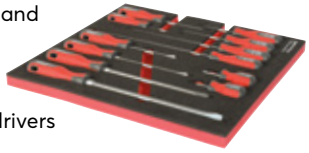
**Inlay contains:**
3x No.2, No.3 and No.4 Crosspoint bits
1x 4, 5, 6, 7, 8, 10, 12, 14, 17 and 19mm metric Hex bits
1x 3/16", ¼", 5/16", ⅜", ½", 9/16" and ¾" inches Hex bits

| Type | Order Code KEN-595 |
|---|---|
| | -0210K |
| | -0215K |

## KENNEDY Pro Screwdriver Set 12 Pieces

⅔ Size

**Inlay contains:**
1x No.1x75mm, No.2xStubby and No.2x100mm Crosspoint Pro-Torq® screwdrivers
1x 6.3xStubby, 6.3x100, 6.3x150, 8.0x200 and 9.5x250mm Flared Pro-Torq® screwdrivers
1x 5.0x75, 5.0x100, 5.0x200 and 5.0x250mm Parallel Pro-Torq® screwdrivers

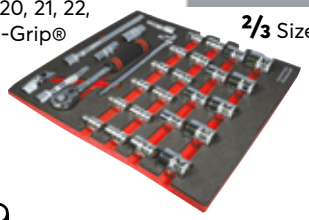


| Type | Order Code KEN-595 |
|---|---|
| | -0160K |
| | -0165K |

## KENNEDY Pro ½" Socket Set - Metric 30 Pieces

⅔ Size

**Inlay contains:**
1x 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 30 and 32mm Ken-Grip® sockets
1x M10 and M14 Spark plug sockets
1x ratchet handle, sliding T-handle, universal joint and 75, 125,250mm extension bars



KENGRIP

| Type | Order Code KEN-595 |
|---|---|
| | -0200K |
| | -0205K |

## KENNEDY Pro ¼" Socket Set - Metric 19 Pieces

⅓ Size

**Inlay contains:**
1x 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 and 14mm Ken-Grip® sockets
1x ratchet handle, sliding T-handle, spinner handle, universal joint and 100mm extension bars

KENGRIP

| Type | Order Code KEN-595 |
|---|---|
| | -0230K |
| | -0235K |

## KENNEDY Pro Screwdriver Set 12 Pieces

⅔ Size

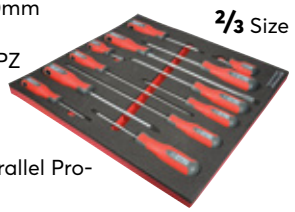
**Inlay contains:**
1x No.2xStubby, No.1x75, No.2x100 and No.3x150 Crosspoint Pro-Torq® screwdrivers
1x No.2x100 and No.3x150mm PZ Pro-Torq® screwdrivers
1x 6.3xStubby, 6.3x150 and 8.0x200mm Flared Pro-Torq® screwdrivers
1x 5.0x75, 5.0x150 and 5.0x250mm Parallel Pro-Torq® screwdrivers

| Type | Order Code KEN-595 |
|---|---|
| | -0150K |
| | -0155K |

## KENNEDY Pro Screwdriver Set 12 Pieces

⅔ Size

**Inlay contains:**
1x No.2xStubby, No.2x100 and No.2x150mm Crosspoint Pro-Torq® screwdrivers
1x No.1x75, No.2x100 and No.3x150mm PZ Pro-Torq® screwdrivers
1x 6.3xStubby, 6.3x150 and 9.5x250mm Flared Pro-Torq® screwdrivers
1x 5.0x150, 5.0x200 and 5.0x250mm Parallel Pro-Torq® screwdrivers



| Type | Order Code KEN-595 |
|---|---|
| | -0140K |
| | -0145K |

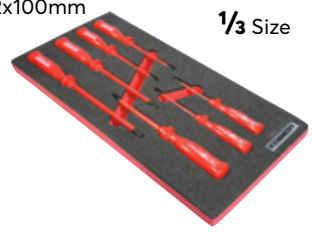
# TOOL CONTROL INLAY SETS



## KENNEDY® VDE Screwdriver Set 7 Pieces

1/3 Size

**Inlay contains:**
3x No.0x75mm, No.1x100mm and No.2x100mm Crosspoint screwdrivers
4x 2.5x85mm, 4.0x100mm, 5.5x125mm and 5.5x125mm Parallel screwdrivers

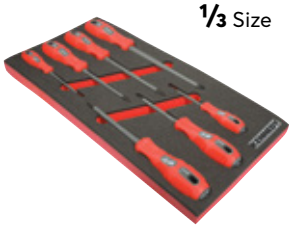


| Type | Order Code KEN-595 |
|---|---|
| | -0180K |
| | -0185K |

## KENNEDY® VDE Dual Grip Screwdriver Set 7 Pieces

1/3 Size

**Inlay contains:**
3x No.0x60mm, No.1x80mm and No.2x100mm Crosspoint screwdrivers
4x 2.5x75mm, 4.0x100mm, 5.5x125mm and 6.5x150mm Parallel screwdrivers

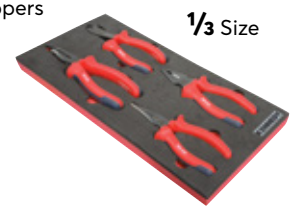


| Type | Order Code KEN-595 |
|---|---|
| | -0170K |
| | -0175K |

## KENNEDY® VDE Insulated Plier Set 4 Pieces

1/3 Size

**Inlay contains:**
1x 160mm Pro-Torq® diagonal cutting nippers
1x 160 Pro-Torq® combination pliers
1x 160mm Pro-Torq® long nose pliers
1x 205mm Pro-Torq® nose pliers



| Type | Order Code KEN-595 |
|---|---|
| | -0280K |
| | -0285K |

## KENNEDY® Pliers Set 4 Pieces

1/3 Size

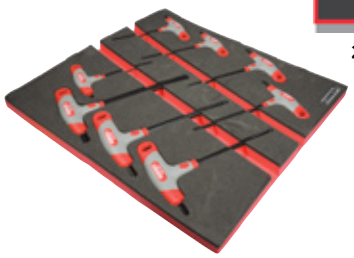
**Inlay contains:**
1x 165mm diagonal nippers
1x 200mm combination pliers
1x 215mm long nose pliers
1x 265mm groove joint pliers

| Type | Order Code KEN-595 |
|---|---|
| | -0250K |
| | -0255K |

## KENNEDY Pro™ T-Handled Hex Ball Drivers 8 Pieces

2/3 Size

**Inlay contains:**
1x 2, 2.5, 3, 4, 5, 6, 8 and 10mm hex ball drivers

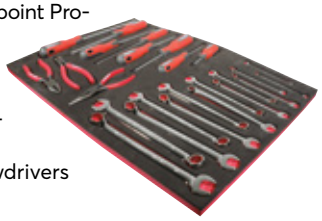


| Type | Order Code KEN-595 |
|---|---|
| | -0190K |
| | -0195K |

## KENNEDY® Tool Inlay Set 25 Pieces

Full Size

**Inlay contains:**
1x 160mm snipe nose, diagonal cutter and combination pliers 1x 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm metric spanners
1x No.2xStubby and No.2x100mm Crosspoint Pro-Torq® screwdrivers
1x No.1x75, No.2x100 and No.3x150mm PZ Pro-Torq® screwdrivers
1x 6.3x150 and 8.0x200mm Flared Pro-Torq® screwdrivers
1x 5.0x150mm Parallel Pro-Torq® screwdrivers



| Type | Order Code KEN-595 |
|---|---|
| | -5000K |

## KENNEDY Pro™ Reversible Circlip Plier Set 6 Pieces

2/3 Size

**Inlay contains:**
1x 150mm 10-18mm capacity straight and 45° bent pliers
1x 150mm 12-25mm capacity straight and 45° bent pliers
1x 210mm 18-48mm capacity straight and 45° bent pliers

| Type | Order Code KEN-595 |
|---|---|
| | -0260K |
| | -0265K |

## KENNEDY® Wrench & Plier Set 4 Pieces

1/3 Size

**Inlay contains:**
1x 100mm adjustable wrench
1x 150mm long nose locking pliers
1x 180mm curved jaw grip wrench
1x 265mm Pro-Torq® groove joint pliers

| Type | Order Code KEN-595 |
|---|---|
| | -0270K |
| | -0275K |

# TOOL CONTROL INLAY SETS



## KENNEDY® Wiring Set 4 Pieces

1/3 Size

**Inlay contains:**
1x main tester - range AC 125/250V
1x "Super" wire stripper
1x No.13 round cable stripper
1x Pro-Torq® diagonal cutting nipper 1000V insulated

| Type | Order Code KEN-595 |
|---|---|
| | -0300K |
| | -0305K |

## KENNEDY® Punch & Hammer Set 12 Pieces

2/3 Size

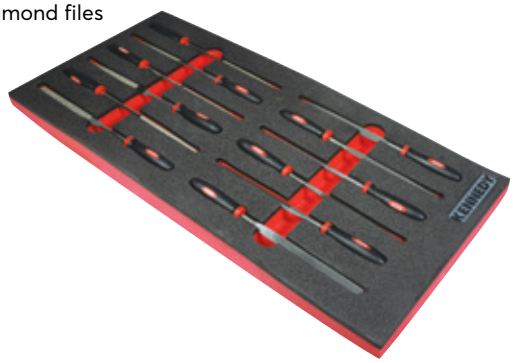
**Inlay contains:**
1x 2lb ball pein hammer
1x 3, 4, 5, 6 and 8mm extra length parallel punches
1x 2, 3, 4, 5, 6 and 8mm 150mm centre punches

| Type | Order Code KEN-595 |
|---|---|
| | -0290K |
| | -0295K |

## KENNEDY® File Set 12 Pieces

1/3 Size

**Inlay contains:**
1x 160mm flat, hand, half round, round, square and three square files
1x 160mm knife, hand, half round, round, square and three square diamond files



| Type | Order Code KEN-595 |
|---|---|
| | -0040K |
| | -0045K |

## KENNEDY® File Set 7 Pieces

2/3 Size

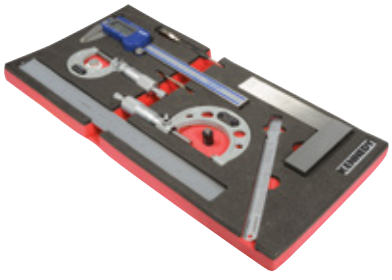
**Inlay contains:**
1x 4 row wire brush
1x 200mm triangular three-cut file
1x 250mm hand, flat, round and half round engineers files
1x 300mm file card

| Type | Order Code KEN-595 |
|---|---|
| | -0030K |
| | -0035K |

## KENNEDY® Measuring Set 7 Pieces

1/3 Size

**Inlay contains:**
1x 100mm engineers square
1x 150mm Rule & Clip
1x 300mm Rule
1x 0-25mm external micrometer
1x 25-50mm external micrometer
1x 130mm vernier caliper
1x 88mm pocket scriber



| Type | Order Code KEN-595 |
|---|---|
| | -0010K |
| | -0015K |

# TOOL CONTROL INLAY SETS



## KENNEDY Pro™ Classic Range Roller Cabinet & 50 Piece Tool Inlay Set

Heavy gauge steel with double wall construction side panels and welded joints for added rigidity.

- No of drawers: 7
- Fully lockable
- Heavy duty 125mm casters with brakes
- Supplied with top mat and drawer liners
- Cabinet dimensions (HxWxD): 890 x 690 x 460mm

**Inlay contains:**

1x 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm ⅜" sockets
1x 10, 11, 12, 13, 14, 15, 17, 19 and 22mm deep sockets
1x 5, 5.5 and 6.5mm Slotted bits
1x No.1, 2, 3 and No.4 Crosspoint bits
1x 3, 4, 5, 6, 8 and 10mm Hex bits
1x ratchet handle, sliding T-handle, spinner handle, swivel handle, universal joint, 125 and 250mm extensions, 250mm wobble extensions, ¼" and ½" male adaptors, ¼" hex bit coupler

**Takes additional ⅓, ⅔, and full size tool inlays indicated by;**

| Type | Order Code KEN-595 |
|---|---|
| | -5520K |

## KENNEDY Pro™ Classic Range Roller Cabinet & 75 Piece Tool Inlay Set

Heavy gauge steel with double wall construction side panels and welded joints for added rigidity.

- No of drawers: 7
- Fully lockable
- Heavy duty 125mm casters with brakes
- Supplied with top mat and drawer liners
- Cabinet dimensions (HxWxD): 890 x 690 x 460mm

**Inlay contains:**

1x 160mm snipe nose, diagonal cutters and combination pliers
1x 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm metric combination wrenches
1x 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21 and 22mm ⅜" sockets
1x 10, 11, 12, 13, 14, 15, 17, 19 and 22mm deep sockets
1x No.2xStubby and No.2x100mm Crosspoint Pro-Torq® screwdrivers
1x No.1x75, No.2x100 and No.3x150mm PZ Pro-Torq® screwdrivers
1x 6.3x150 and 8.0x200mm Flared Pro-Torq® screwdrivers
1x 5.0x150 Parallel Pro-Torq® screwdrivers
1x 5, 5.5 and 6.5mm Slotted bits

**Takes additional ⅓, ⅔, and full size tool inlays indicated by;**

| Type | Order Code KEN-595 |
|---|---|
| | -5500K |

## KENNEDY Pro™ Classic Range Roller Cabinet & 25 Piece Tool Inlay Set

Heavy gauge steel with double wall construction side panels and welded joints for added rigidity.

- No of drawers: 7
- Fully lockable
- Heavy duty 125mm casters with brakes
- Supplied with top mat and drawer liners
- Cabinet dimensions (HxWxD): 890 x 690 x 460mm

**Inlay contains:**

1x 160mm snipe nose, diagonal cutters and combination pliers
1x 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm metric combination wrenches
1x No.2xStubby No.2x100mm Crosspoint Pro-Torq® screwdrivers
1x No.1x75, No.2x100 and No.3x150mm PZ Pro-Torq® screwdrivers
1x 6.3x150 and 8.0x200mm Flared Pro-Torq® screwdrivers
1x 5.0x150 Parallel Pro-Torq® screwdrivers

**Takes additional ⅓, ⅔, and full size tool inlays indicated by;**

| Type | Order Code KEN-595 |
|---|---|
| | -5540K |

# TOOL KITS

## KENNEDY Pro. 208 Piece Apprentice Engineer's Tool Kit

Supplied in a three drawer professional roller cabinet and a three drawer top chest. Manufactured from heavy gauge steel with double wall construction side panels and welded joints for added rigidity. Coated in a hard wearing epoxy powder. Fully opening drawers for extra accessibility. Quick release smooth running ball bearing drawer slides with double sliders on base drawer. Supplied with top mat and drawer liners. Fully locking. 125 x 50mm heavy duty extra strong castors, fitted with two brakes. Overall dimensions: 890 x 690 x 460mm. Castors are rated to 100kg capacity standing load per castor. Drawer loads should be evenly distributed.

**208 PIECES**

**3 Drawer Top Chest**
**Top compartment size:** 89 x 661 x 150mm.
**Drawer sizes:** 1@ 51 x 591 x 282.5mm.
2@ 102 x 591 x 282.5mm.

**3 Drawer Roller Cabinet**
**Internal drawer dimensions**
**Bottom compartment size:** 610 x 432 x 356mm.
**Drawer sizes:** 3@ 591 x 410 x 102mm.

**Contents:**

- 25 piece HSS drill set 1 - 13.00mm x 0.5mm.
- Six piece 200mm double cut engineer's file set.
- Six piece 16cm cut 2 assorted needle file set.
- 25 x 230 x 280mm assorted abrasive sheet.
- 200mm chrome vanadium steel adjustable spanner.
- 6 x 150mm flat cold chisel.
- 19mm x 33m black pvc insulation tape.
- 76mm, 18 blade combination feeler gauge set.
- 4.8mm square head centre punch.
- 150mm/6" stainless steel rule c/w pocket clip.
- 178mm double ended Engineers' scriber.
- Eye loupe.
- Adjustable telescopic 30mm dia. inspection mirror (expands to 180mm).
- Six piece parallel pin punch set: 2.4, 3.2, 4.0, 4.8, 5.5 and 6.4mm.
- 150mm/6" engineer's square - **BS 939 grade B**.
- Tap wrenches 1.5 - 6.4mm and 6.4 - 19mm.
- Magnetic telescopic pick-up tool extends to 550mm.
- 29 piece engineer's bit set. All 6mm hex x 25mm overall length, complete with magnetic spinner handle, 6mm hexagon bit adaptor and 6mm square socket adaptor. Hexagon: 2, 3, 4, 5, 6, 7 and 8mm; flat 3, 4, 5, 5.5, 6.5 and 8mm; 3/32", 1/8", 5/32", 3/16", 1/4", 7/32" and 5/16"; crosspoint No.1, 2 and 3; Pozidriv® No.1, 2 and 3.
- 450g (1lb) ball pein hammer wood shaft.
- 7.5m/25ft steel tape.
- Snap-off eight segment blade economy knife.
- Retractable trimming knife with five blades.
- Junior hacksaw frame.
- 300mm lightweight professional hacksaw frame.
- Six off 12" x ½" x 18tpi HSS hacksaw blades.
- 20 junior hacksaw blades.
- Two plastic handle household scissors.
- 150mm snipe nose plier with side cutter.
- 150mm diagonal cutting nipper.
- 50mm Engineers' combination pliers with side cutter.
- 250mm curved jaw high strength grip wrench.
- Eight piece Pro-Torq screwdriver set: crosspoint No.1 x 75, No.2 x 100; pozidriv® No.2 x 100; flared 6.3 stubby, 6.3 x 100, 8.0 x 200; parallel 5.0 x 75, 5.0 x 150.
- 14 piece combination spanner set: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm.
- 25 piece metric socket set ½" square drive sockets: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 24, 27, 30 and 32mm.
  Spark plug sockets: M10 and M14.
  Accessories: quick release ratchet handle, sliding T-handle, universal joint, 75, 125 and 250mm extension bars.
- Nine piece metric hex key set 1.5 - 10mm.

**Set contents may vary slightly according to product development and availability.**

Order Code
**KEN-595**
**-0550K**

## KENNEDY Pro™ 300 Piece Engineer's Professional Tool Kit

Supplied in a five drawer professional roller cabinet and a three drawer top chest. Manufactured from heavy gauge steel with double wall construction side panels and welded joints for added rigidity. Coated in a hard wearing epoxy powder. Fully opening drawers for extra accessibility. Quick release smooth running ball bearing drawer slides with double sliders on base drawer. Supplied with top mat and drawer liners. Fully locking. 125 x 50mm heavy duty extra strong castors, fitted with two brakes.

**Overall dimensions:** 890 x 690 x 460mm. Castors are rated to 100kg capacity standing load per castor. Drawer loads should be evenly distributed.

**3 Drawer Top Chest**
Top compartment size: 89 x 661 x 150mm.
**Drawer sizes:** 1@ 51 x 591 x 282.5mm, 2@ 102 x 591 x 282.5mm.

**300 PIECES**

**5 Drawer Roller Cabinet**
**Internal drawer dimensions:**
4@ 591 x 460 x 102mm.
1@ 591 x 410 x 204mm.

**Contents:**
- Set of 25 HSS drills 1 - 13.00mm x 0.5mm.
- Eight piece 200mm (8") double cut Engineers' file set.
- Six piece 16cm cut 2 assorted needle file set
- 20x 150mm (6") junior hacksaw blades.
- 10x 12" x ½" x 18TPI HSS all hard hacksaw blade.
- 25x 230mm x 280mm assorted abrasive sheets.
- 200mm (8") soft grip phosphate adjustable wrench.
- 6mm 150mm flat cold chisel.
- 3" 18-bade metric/inch comb feeler gauge set.
- 4" x 3/16" (4.8mm) square head centre punch.
- Set of 6 parallel pin punches.
- 150mm/6" inch/metric rigid rustless rule.
- 300mm/12" rigid rustless rule - round end.
- 150mm (6") Engineer's square.
- 300mm (12") Engineer's square.
- 7" double ended engineers scriber.
- 1¼" focal length eye loupe.
- Adjustable telescopic 1¼" mirror.
- Set of two: 1/16" - ¼" and ¼" - ¾" tap wrenches.
- 1lb ball pein hammer - wood shaft.
- 16oz black rubber mallet - wood shaft.
- 5½" plastic handle household scissors.
- 8½" plastic handle household scissors.
- 5m/16" professional ABS steel tape.
- Snap-off 8 seg-blade heavy duty knife.
- Snap-off 13 seg-blade mini knife.
- Retractable trimming knife c/w five blades.
- Beaver style junior hacksaw.
- Professional 'plus' cushion grip hacksaw.
- Magnetic pick-up tool.
- Set of four Pro-Torq pliers.
- 10" curved jaw grip wrench
- 12 piece Pro-Torq screwdriver set.
- 64 piece ¼" hexagon bit set.
- ¼" hex bit driver.
- Seven piece box spanner set 6 - 19mm c/w tommy bars.
- Combination wrenches: 10 - 19mm.
- 50 piece metric ⅜" square drive socket set.
- 8" straight blade tinsnip.
- Three drawer professional tool chest.
- Metal tote tray
- Five drawer professional roller cabinet.
- Eight piece metric Pro-Torq hex wrench set on clip.
- Nine piece inch Pro-Torq hex wrench set on clip.
- 19mm x 33m black PVC insulation tape.

**Set contents may vary slightly according to product development and availability.**

Order Code
**KEN-595**
**-3080K**

## YAMOTO Mechanic's Tool Kit

**52 Piece Mobile Mechanic's Tool Kit**
Specifically designed for mechanics on the move.

**Contents include:** 582 x 298 x 255mm metal toolbox with tote tray, adjustable wrenches, pocket knife, pliers, screwdrivers, spanners and sockets.

52 PIECES

| Order Code YMT-595 |
|---|
| -2600K |

## YAMOTO 100 Piece Mechanic's Starter Tool Kit

**Contents:**

- 8" and 12" satin chrome adjustable wrench set.
- 5m/16ft locking tape rule.
- Lightweight hacksaw frame.
- 400cc lever type steel grease gun.
- 150mm long nose pliers.
- 200mm long nose pliers.
- 150mm diagonal nippers.
- 150mm linesman's combination pliers.
- 200mm linesman's combination pliers.
- 250mm waterproof pliers.
- 12 piece mechanic's pattern screwdriver set.
- Seven piece 6 - 19mm chrome vanadium open ended spanner set.
- 14 piece 6 - 19mm chrome vanadium combination spanner set.
- 55 piece ⅜" drive socket and bit set.
- Six drawer chest.

100 PIECES

| Weight each | Order Code YMT-595 |
|---|---|
| 34.0kg | -3500K |

## SENATOR QUALITY TOOLING 47 Piece Engineer's Workshop Tool Kit

- Six piece 16cm cut 2 assorted needle file set.
- 10 x 12 x ½" x 18T all hard hacksaw blades.
- 8" (200mm) C/V adjustable spanner.
- 6" (150mm) stainless steel rule with pocket clip.
- Metric and inch feeler gauge, blade length: 60mm.
- 1lb ball pein hammer with hickory shaft.
- 16oz black rubber mallet with wooden shaft.
- 5m/16ft locking tape rule with chrome casing.
- 8 segment 18mm heavy duty snap-off blade knife.
- Retractable trimming knife.
- 12" DIY hacksaw.
- 6" heavy duty snipe nose pliers with side cutter.
- 6" diagonal cutting nippers.
- 7" linesman's pliers.
- 10" multiple slip joint pliers.
- 10" straight blade tinsnips.
- 10" straight jaw high strength grip wrench.
- 8 piece fluted handle screwdriver set.
- 7 piece 6 - 19mm drop forged open-ended spanner set.
- 21" five tray cantilever toolbox.

47 PIECES

| Weight each | Order Code SEN-595 |
|---|---|
| 6.4kg | -0700K |

**Set contents may vary slightly according to product development and availability.**

## SENATOR QUALITY TOOLING 90 Piece Engineer's Workshop Tool Kit

**Contents:**

- Top chest.
- 24 piece ½" drive metric socket set.
- Six piece 16cm cut 2 assorted needle file set.
- 10x 12" x ½"x 18tpi all hard hacksaw blades.
- 8"/200mm chrome vanadium adjustable spanner.
- 12" rule - walleted.
- Metric/inch feeler gauge 60mm blade length.
- 1½lb ball pein hammer- hickory shaft.
- 16oz black rubber mallet - wood shaft.
- 5m/16ft locking tape rule - chromed case.
- Eight segment 18mm heavy duty snap-off blade knife.
- Retractable trimming knife.
- DIY hacksaw.
- 2x 50mm G-clamps.
- 2x 100mm G-clamps.
- 6" snipe nose plier/side cutter.
- 8" straight blade tinsnip.
- 6" diagonal cutting nipper.
- 7" linesman's pliers.
- 10" multiple slip joint pliers.
- 10" straight jaw high strength grip wrench.
- 16 function 10-blade tool.
- 15 piece duel grip screwdriver set.
- 14 piece 6 - 19mm drop forged. combination spanner set.

90 PIECES

| Order Code SEN-595 |
|---|
| -1000K |

## KENNEDY® 51 Piece Home Handyman Tool Kit

**HHK51**

Supplied in a robust Tuff-E double latched toolbox.

**Contents:**

- 8 piece fluted handle screwdriver set: flared 6mm stubby, 3 x 100mm and 8 x 200mm; parallel 3.2 x 75mm and 4 x 150mm; pozidriv No.2 stubby, No.1 x 75mm and No.2 x 100mm.
- 10 piece screwdriver bit set: 6mm quick release hex bit adaptor; flat 3, 4, 5, 6 and 8mm; crosspoint No.0, 1, 2 and 3mm.
- 200mm (8") chrome vanadium adjustable spanner.
- 225mm (9") hi-vis magnetic boat level.
- 600mm (24") hi-vis girder section level.
- 150mm mains tester, range 125/250V.
- 19mm x 33m black PVC insulation tape.
- Adjustable telescopic 300mm dia inspection mirror.
- 450g (16oz) claw hammer wood shaft.
- 3m/10ft hi-vis locking tape.
- 13 seg 9mm standard snap-off blade knife.
- Retractable trimming knife c/w 5 blades.

**Set contents may vary slightly according to product development and availability.**

- 150mm (6") junior hacksaw frame c/w hardened blade.
- 150mm (6") junior hacksaw blade for metal (10).
- 300mm (12") DIY hacksaw frame.
- 177mm (7") plastic handle household scissors.
- 63mm (2½") half tang filling knife.
- 76mm (3") half tang scraper.
- Magnetic pick-up tool extends to 650mm.
- 150mm (6") linesman's pliers.
- 125mm (5") snipe nose pliers.
- 125mm (5") diagonal cutting nippers.
- 255mm (10") straight jaw grip wrench.
- Bradawl.
- 600 piece wall plug set.

51 PIECES

| Weight each | Order Code SEN-595 |
|---|---|
| 7.0kg | -0520K |

## KENNEDY® 62 Piece Workshop Tool Kit

Five compartment cantilever tool box with specially moulded trays to facilitate enhanced Tool Control and padlock hole for additional security.
Toolbox dimensions: 450 x 260 x 200mm

**Contents:**

- **Sockets:** 8 - 32mm, M10 and M14 spark plug
- 250mm sliding 'T'-handle.
- 125mm and 250mm extensions, 75mm wobble extension.
- Quick release 72T rubber hatchet handle.
- 375mm/15" jointed knurl gripped swivel handle.
- Universal joint.
- **Combination spanners:** 6 -22mm.
- **Pro-Torq screwdrivers:** 5.5 x 100mm, 6.5 x 150mm and 8 x 200mm flat, No.0, No.2 and No.3 cross point.
- **Pro-Torq pliers:** 180mm/7" combination, 150mm/6" snipe nose and 165mm/6" diagonal.
- Metric L-wrench ball driver set - 1.5 - 10mm.

| Order Code KEN-595 |
|---|
| -0055K |

## KENNEDY® 107 Piece Apprentice Engineer's Tool Kit

**Contents:**

- Toolbox
- 6 piece Pro-Torq screwdriver set: crosspoint No.1 x 75 and No.2 x 100mm; flared 6.3 x 100 and 8.0 x 250mm; parallel 5 x 100 and 5 x 200mm
- 6 piece screwdriver set: crosspoint PH0 and PH1; parallel 1.4, 2.0, 2.4, and 3.0mm
- 6 - 19mm 14 piece metric combination spanner set.
- 9 piece metric hex key set: 1.5 - 10mm
- 8 piece 2nd cut file set: one each flat, hand, round, half round, 3 square and square
- 12 piece 2nd cut needle file set: 1 each hand, flat, knife, round, half round, square, 3 square, crossing, round edge joint, slitting, warding and barrette
- 2 of each grade 0, 1 and 2 emery sheets
- 200mm/8" adjustable wrench
- 18 blade metric/inch feeler gauge
- Magnetic pick-up tool extends to 650mm
- 7.5m/25ft locking tape rule
- Snap-off blade knife
- Junior hacksaw
- 20 junior hacksaw blades
- 300mm (12") hacksaw frame
- 6 hacksaw blades
- Shears
- 3 piece professional plier set
- 255mm straight jaw grip wrench
- 6 x 150mm flat cold chisel
- 1lb ball pein hammer
- 175mm engineer's scriber
- 30mm diameter inspection mirror (extends to 650mm)
- Centre punch
- 150mm (6") engineer's square
- 150mm (6") pocket rule
- 100cc grease gun
- Eye loupe

**Set contents may vary slightly according to product development and availability.**

| Weight each | Order Code KEN-595 |
|---|---|
| 4.2kg | -0500K |

## KENNEDY® Engineer's Toolkit 1

**Contents:**
- Kennedy® Cushioned Grip 10" Adjustable Wrench
- Kennedy® Pro-Torq Waterpump Pliers 265mm
- Kennedy® Curved Jaw Grip Wrench 180mm
- Kennedy® Pro-Torq Combination Pliers 200mm
- Bi-Hex Sockets 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 26, 27, 29, 30, 32mm, 5/16", 3/8", 1/2", 9/16", 5/8", 11/16", 3/4", 3/16", 7/8"
- Combination Spanners 6-24mm
- Kennedy® 1/2" Reversible Ratchet
- 250mm Sliding T-Bar
- Extension Bars: 75, 125mm
- 1/2" Universal Joint

54 PIECES

| No. Pieces | Order Code KEN-595 |
|---|---|
| 54 | -8501K |

## KENNEDY® Engineer's Toolkit 2

**Contents:**
- Combination Spanners 6-24mm
- Bi-Hex Sockets: 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 26, 27, 29, 30, 32mm
- Pro-Torq Screwdriver 150x6.5mm, 100x4.0mm, 75x2.5mm, No.1x80mm, No.2x100mm
- Pro-Torq Combination Pliers 180mm
- Pro-Torq Long Nose Pliers 160mm
- Pro-Torq Diagonal Pliers 160mm
- Ball Hex Wrench Metric Set 1.5 -10mm
- 1/2" Reversible Ratchet
- Extension Bars: 75, 125, 250mm
- 250mm Sliding T-Bar

48 PIECES

| No. Pieces | Order Code KEN-595 |
|---|---|
| 48 | -8502K |

## KENNEDY® Engineer's Toolkit 3

**Contents:**
- Combination Spanners 6-24mm
- Bi-Hex Sockets 1/4" - 4, 5, 6, 7, 8, 9, 10, 11, 12, 13mm 3/8" - 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22mm
- Pro-Torq Screwdrivers: Flared Blade 200x8.0mm, Parallel Tip 150x5.5mm, Stubby 6.5mm, Parallel Tip 150x3.2mm
- Pro-Torq Combination Pliers 165mm
- Ball Hex Wrench Metric Set 1.5-10mm
- Kennedy® 1/4" Ratchet, Kennedy® 1/4"x3/8" Adaptor
- Kennedy® 3/8"x1/4" Adaptor
- Extensions: 1/4 50mm, 1/4" 100mm, 3/8" 75mm, 3/8" 125mm
- 1/4" Universal Joint, 1/4" 105mm T-Handle
- 3/8" Ratchet, 3/8" 165mm T-Handle
- 3/8" Universal Joint
- Crosspoint Screwdrivers: No.1 x 75mm, No.2 x 100mm, No.2 x Stubby

64 PIECES

| No. Pieces | Order Code KEN-595 |
|---|---|
| 64 | -8503K |

## KENNEDY® Mechanic's Toolkit 1

**Contents:**
- Combination Spanners Offset 15 DEG 6-24mm
- Bi-Hex Sockets 1/2" - 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 26, 27, 29, 30, 32mm
- 1/2" Hex Socket Driver 5, 6, 8, 10, 12, 14mm
- Pro Torq Screwdriver Square Blade 150x6.5mm
- Pro Torq Screwdriver Flared Blade 200x8.0mm
- Pro Torq Screwdriver Parallel Tip 150x5.5mm
- Pro Torq Screwdriver Parallel Tip 150x3.2mm
- Cantilever Tool Box 560mm
- Ball Hex Wrench Metric Set 1.5-10mm
- 1/2" Reversible Ratchet
- 250mm Sliding T-Bar
- 75mm Extension Bar
- 125mm Extension Bar
- 250mm Extension Bar
- 1/2" Universal Joint
- Crosspoint Screwdriver No.2 x Stubby
- Cushioned Grip 10"/250mm Adj Wrench

53 PIECES

| No. Pieces | Order Code KEN-595 |
|---|---|
| 53 | -8511K |

## KENNEDY® Mechanic's Toolkit 2

- Carefully curated toolkit
- Durable cantilever box
- Wide variety of tools for an array of uses
- Efficient, accessible layout

**Contents:**
- Combination Spanners Offset 15 DEG 6-24mm
- Bi-Hex Sockets 1/2" - 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 26, 27, 29, 30, 32mm
- Pro Torq Combination Pliers 180mm
- Pro Torq Long Nose Pliers 165mm
- Pro Torq Diagonal Cutters 165mm
- Kennedy® 1/2" Reversible Ratchet
- 250mm Sliding T-Bar
- 75mm Extension Bar
- 125mm Extension Bar
- 250mm Extension Bar
- Cushioned Grip 6" Adjustable Wrench
- Cushioned Grip 10" Adjustable Wrench

45 PIECES

| No. Pieces | Order Code KEN-595 |
|---|---|
| 45 | -8512K |

## KENNEDY Pro™ 102 Piece Service Engineer's Tool Kit

**Contents**
- Hi-impact mobile tool case.
- Six piece 16cm cut 2 needle file set.
- 150mm chrome finish adjustable wrench.
- 150mm mains tester range 125/250V.
- 19mm x 33m insulation tape: black, red and green/yellow pvc.
- Soldering iron 25W 240V.
- Desoldering gun.
- Cable stripping knife.
- 17g 1.0mm diameter 60/40 cored solder.
- Square head centre punch 3.2 x 100mm.
- 150mm/6" flexible rustless rule.
- Precision tweezers: 115mm sharp nose, 120mm flat blade.
- Eye loupe.
- 30mm dia. telescopic inspection mirror (handle expands to 480mm).
- 225g (½lb) ball pein hammer.
- 7.5m/25' steel tape.
- 13 segment blade mini autolock retractable knife.
- Junior hacksaw frame c/w hardened blade.
- 10 junior hacksaw blades for metal.
- 215mm plastic handle scissors.
- Magnetic pick up tool.
- 160mm snipe nose pliers.
- 160mm diagonal cutting nippers.
- 160mm combination pliers with side cutter.
- 150mm insulation and wire stripping pliers.
- 115mm precision flat nose pliers.
- 115mm precision long nose pliers.
- 115mm precision nippers.
- 115mm precision end cutting nippers.
- Pro-Torq grip screwdrivers with chrome vanadium blade: slotted 100 x 6mm; crosspoint 76mm x No.0 and No.1, 6mm x No.2; supadriv 76mm x No.0 and No.1, 100mm x No.2; electricians': parallel 150 and 200 x 5mm.
- Offset screwdrivers: 5mm x No.1 and 6mm x No. 2.
- 1000V VDU insulated screwdrivers: parallel 4 x 100mm; slotted 5.5 x 125mm.
- Torx screwdrivers: T6, T8 and T10.
- 11 piece screwdriver and tool set: parallel 1, 1.2, 1.4, 1.8, 2.4 and 3mm; crosspoint PHO-2, PHO and PH1, fine point awl and tweezers.
- Seven piece electronic screwdriver set: parallel 1.4, 2, 2.4 and 3mm; crosspoint PHO-3, PHO-2 and PH0.
- Six piece chrome vanadium steel 0 - 11 BA open ended spanner set.
- 20mm diameter sash tool.
- Nine piece hex key set 1.5 - 10mm.
- Chrome vanadium combination spanners: 5.5, 6, 7, 8, 9 and 10mm.

102 PIECES

**Set contents may vary slightly according to product development and availability.**

| Weight each | Order Code KEN-595 |
|---|---|
| 13.0kg | -3020K |

## KENNEDY Pro™ 56 Piece Standard Service Tool Kit

Suitable for use by service engineers, electricians and tradesmen. All Kennedy® industrial quality tools carry a quality guarantee.

**Contents:**
- 430 x 340 x 160mm ABS plastic, aluminium reinforced, tool case.
- 150mm chrome adjustable wrench.
- 19mm x 33m black PVC insulation tape.
- 150mm mains tester range 125/250V.
- Soldering iron 25W/240V.
- Desoldering gun.
- 17g 1.0mm diameter 60/40 cored solder.
- 115mm sharp nose precision tweezers.
- 30mm diameter inspection mirror (handle extends up to 480mm).
- 7.5m/25ft steel tape.
- 13 segment-blade mini autolock retract knife.
- Junior hacksaw frame and blade.
- Magnetic pick up tool (extends to 550mm).
- 160mm snipe nose pliers.
- 160mm diagonal cutting nippers.
- 160mm engineer's combination pliers with side cutter.
- 150mm insulation and wire stripping pliers.
- 115mm precision nippers.
- 115mm precision end cutting nippers.
- Chrome vanadium blade screwdrivers: crosspoint No.0, 1 and 2pt; slotted 6mm; supadriv No.0, 1 and 2pt.
- Offset screwdrivers: 5mm slot x No.1pt, 6mm slot x No.2pt.
- Insulated screwdrivers: parallel 4 x 100mm 1000V VDU, slotted 2.5 x 85mm.
- 20mm sash tool.
- 11 piece screwdriver and tool set: parallel 1, 1.2, 1.4, 1.8, 2.4 and 3mm; crosspoint PHO-2, PHO and PH1; fine point awl and tweezers.
- 9 piece hex key set 1.5 - 10mm.
- Chrome vanadium combination spanners: 5.5, 6, 7, 8, 9 and 10mm.

56 PIECES

**Set contents may vary slightly according to product development and availability.**

| Weight each | Order Code KEN-595 |
|---|---|
| 6.8kg | -3000K |

# ROLLER CABINET ACCESSORIES

## KENNEDY 16 Piece Electrician's VDE Tool Bag & Kit

Heavy duty tear-resistant tool bag with Hook-n-Loop fastening flap. Double webbed shoulder strap fixed with metal release clasps. Two removable tool boards inside which have a unique tool storage securing system built in. All tools are VDE approved.

**Contents:**
- Electrician's tool bag (320 x 340 x 125mm).
- 150mm euro tester will detect 'live' electricity supply. Suitable for AC to 125 - 250V, 3mm wide tip. Conform to **VDE 0630 Part 4**.
- 145mm (5¾") Pro-Torq grip diagonal nippers, 1000V insulated.
- 160mm (6⅜") Pro-Torq snipe nose pliers, 1000V insulated.
- 165mm (6½") Pro-Torq engineer's combination pliers, 1000V insulated.
- 170mm (6¾") Pro-Torq wire strippers, 1000V insulated.
- 7 piece VDE dual grip screwdriver set: No.0 x 60, No.1 x 80 and No.2 x 100mm, 2.5 x 75, 4.0 x 100, 5.5 x 125 and 6.5 x 150mm.
- 180mm (7") insulated cable knife, curved blade.
- 2x small parts storage boxes.

16 PIECES

| Width (mm) | Depth (mm) | Height (mm) | Order Code KEN-595 |
|---|---|---|---|
| 320 | 125 | 340 | -3400K |

## KENNEDY Pro 1000V Dual Grip Screwdriver & Plier Set

**10 Piece Set**

Fully insulated professional high grip dual material handles that are VDE tested up to 1000V. Screwdrivers have magnetic tips, chrome vanadium steel blades and a hanging hole. Pliers have chrome vanadium steel double polished head and joint heads.

**Contents:**
**Screwdrivers:**
**Crosspoint:**
CROSS POINT No.0 x 60mm, No.1 x 80mm, No.2 x 100mm.

**Parallel:**
PARALLEL 2.5 x 75mm, 4.0 x 100mm, 5.5 x 125mm, 6.5 x 150mm.

**Pliers:**
- 6⅜" Pro-Torq snipe nose pliers,
- 6¼" Pro-Torq grip nipper pliers,
- 6½" Pro-Torq engineering combination pliers.

10 PIECES

| Weight each | Order Code KEN-595 |
|---|---|
| 1.4kg | -1600K |

## KENNEDY 7 Piece Maintenance Tool Kit

**MTK7**

**Contents:**
- Chrome adjustable wrench.
- Slotted electrician's VDE screwdriver.
- Slip joint pliers.
- High tensile diagonal cutting nippers.
- Universal combination pliers.
- No.2 crosspoint engineer's screwdriver.
- Flared slotted engineer's screwdriver.
- PVC tool roll.

7 PIECES

| Weight each | Order Code KEN-595 |
|---|---|
| 1.3kg | -0070K |

## KENNEDY Pro-Torq Maintenance Tool Kit & Bag - 29 Pieces

- Includes electrician's tool bag, 2x small bits organiser cases and 1 tool board to secure tools in transit
- Bag size: (32 x 34 x 12.5cm)

- Kit contains:
- 140mm (51/2") autoload and lock knife - 13 segment snap-off blade
- 165mm (61/2") Pro-Torq diagonal nippers
- 150mm (6") Pro-Torq snipe nose pliers with side cutter
- 150mm (6") Pro-Torq combination pliers
- 6-pieces Pro-Torq screwdriver set (Crosspoint No.1 x 75, No.2 x 100; Flared 6.3 x 100, 8.0 x 200; Parallel 5.0 x 75, 5.0 x 150mm)
- 7-pieces Pro-Torq precision screwdriver set (Parallel tips 1.4, 2.0, 2.4 and 3.0mm; Crosspoint tips PH0-3, PH0-2 and PH-0)
- 8-pieces Pro-Torq hex wrench set plus 200mm (8") soft grip phosphate adjustable wrench

29 PIECES

| Insulated | Order Code KEN-595 |
|---|---|
| No | -3440K |

## KENNEDY 18 Piece Decorator's Painting Kit

**Contents:**
- 2x 25mm industrial paint brush
- 13, 50, 75 and 100mm industrial paint brushes
- 240mm economy paint tray - plastic
- 230mm wide birdcage (jumbo) paint roller
- 230mm long pile polyester roller refill
- 230mm medium pile polyester roller refill
- 230mm wide foam paint roller refill
- Long pile radiator roller complete
- Long pile radiator roller refill
- Metal telescopic handle
- General purpose masking tape 19mm x 50m and 50mm x 50m
- 460mm canvas tool bag
- Dust sheet

| Order Code KEN-595 |
|---|
| -4140K |

KENNEDY

## 22 Piece Plumber's Kit

Supplied in a robust toolbox c/w double latch.

**Contents:**
- Tool box. • 255mm (10") stillson wrench.
- 3 - 22mm capacity tubing cutter.
- 3 - 41mm tube deburrer.
- 9.5 - 32mm basin wrench.
- 300mm girder section spirit level.
- Telescopic inspection mirror.
- Junior hacksaw frame c/w hardened břitu.
- Pad saw.
- 255mm groove slip joint waterpump plier.
- 6 piece flat wood bit set 9.5 - 25mm.
- 12mm x 12m PTFE thread sealing tape to **BS6920**.
- 100g fluxite paste.
- Powerflow lead free solder 3.25mm 250g.
- 3 row plastic handle wire scratch brush.
- 450g grade 2 wire wool.
- Blow lamp and 2175 gas cartridge.

| Order Code KEN-595 |
|---|
| -4010K |

## KENNEDY Pro 122 Piece 'Deluxe' Service Engineer's Tool Kit

This superb kit contains all the necessary tools for the service engineer in a sturdy aluminium case partitioned to keep tools organised and readily accessible.

**Contents:**
- Aluminium tool case.
- Six piece 16cm needle file set.
- 150mm adjustable wrench.
- Digital multimeter.
- 125/250V mains tester.
- 19mm x 33m insulation tape: black, red and green/yellow PVC.
- 25W soldering iron.
- Cable stripping knife.
- Desoldering gun.
- 60/40 cored solder.
- Butane soldering torch.
- Centre punch 2.4 x 3.2mm.
- 2x parallel pin punches.
- 150mm/6" flexible rustless rule.
- Machinists scriber.
- Sharp nose tweezers.
- Flat blade tweezers.
- Eye loupe.
- Telescopic inspection mirror.
- Magnetic pick up tool (extends to 550mm).
- 225g (½lb) ball pein hammer.
- 3½ oz cross pein hammer.
- 7.5m/25ft steel tape.
- Aluminium pocket torch.
- Retractable knife.
- Auto return utility knife.
- Junior hacksaw and blade.
- 10 junior hacksaw blades.
- 150mm flat nose plier.
- 150mm insulation and wire stripping plier.
- 150mm wire crimper/stripper.
- 160mm snipe nose plier.
- 160mm diagonal cutting nipper.
- 160mm combination plier.
- 4 piece circlip plier set.
- 177mm locking pliers.
- 115mm precision flat nose pliers.
- 115mm precision long nose pliers.
- 115mm precision nippers.
- 115mm precision end cutting pliers.
- 165mm soft touch pliers.
- Pro-Torq grip screwdrivers with chrome vanadium blade: slotted 100 x 6mm; crosspoint 76mm x No.0 and No.1, 6mm x No.2; supadriv 76mm x No.0 and 1, 4" x No.2; electrician's parallel 150 and 200 x 5mm.
- Offset screwdrivers: 5mm x No.1, 6mm x No.2.
- Insulated screwdrivers: parallel 4 x 100mm, 1000V VDU, slotted 5.5 x 125mm.
- Torx screwdrivers: T6, T8 and T10.
- 11 piece screwdriver and tool set.
- Nine piece 5.5 - 13mm combination spanner set.
- Seven piece electronic screwdriver set.
- Six piece 0 - 11 BA open ended spanner set.
- Multi-purpose snips.
- Seven piece metric hexagon key set.
- Multi-purpose oil.
- 20mm sash tool.
- 100 cable ties.
- Scissors.

**Set contents may vary slightly according to product development and availability.**

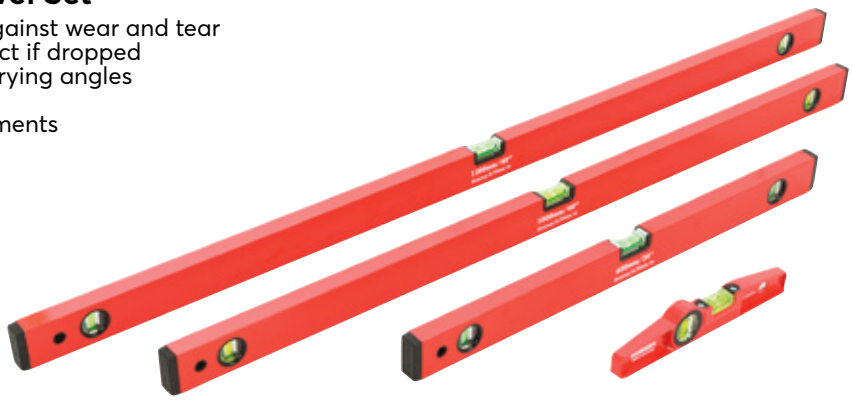
| Weight each | Order Code KEN-595 |
|---|---|
| 14.0kg | -3040K |

# SPIRIT LEVELS & LASER LEVELS



## KENNEDY Box Profile Spirit Level Set

- Powder coat finish adds further protection against wear and tear
- Shock-absorbing end caps protect the product if dropped
- 3 vials provide accurate measurements at varying angles
- Working face is milled for precise measuring
- Available in varying sizes to suit your requirements
- Aluminium body is lightweight yet durable



| Pack quantity | Length (mm) | Order Code KEN-595 |
|---|---|---|
| 4 | 250<br>600<br>1000<br>1200 | **-1420K** |

## KENNEDY I Beam Spirit Level Set

- Lightweight yet robust aluminium body is suited for heavy-duty use on punishing construction sites
- Available in an array of sizes to ensure you find the product best suited for your desired application
- Powder coat finish further protects the product from wear and tear as well as making it easier to wipe clean
- Shock-absorbing end caps protect the vials from damage in case of accidental dropping
- Three vials for all-round measuring, one horizontal and two plumb
- Rule scale makes marking out simple
- Milled working surfaces for accurate measuring

| Pack quantity | Length (mm) | Order Code KEN-595 |
|---|---|---|
| 4 | 250<br>300<br>600<br>1000 | **-1430K** |

## KENNEDY Professional Box Spirit Level Set

- 3 vials at 45° horizontal and vertical
- Shock absorbing end caps protect the product if accidentally dropped
- Hand grips make the product easy to carry and transport wherever necessary (except KEN5103300K)
- Rule scale allows for easy marking out and measuring
- Aluminium body is durable and powder coating bolsters protection against wear and tear
- Available in a variety of sizes to suit your desires
- Milled working faces on the top and bottom of the products for accuracy and precise measuring

| Pack quantity | Length (mm) | Order Code KEN-595 |
|---|---|---|
| 4 | 300<br>600<br>1200<br>1800 | **-1440K** |

## KENNEDY® Double-Sided Tape Measure Set

- Reverse printed blades allow you to easily read measurements on both sides
- Automatic brake locks the blade in position until you press the release button for accurate measurements
- Belt clip allows you to attach the product to your person for safekeeping
- Available in a range of sizes and specifications to suit your needs
- Sliding magnetic hook allows you to attach the end to ferrous materials for precision measuring
- ECC Class II

| Blade Length (m) | Blade Width (mm) | Order Code KEN-595 |
|---|---|---|
| 3 | 16 | -1450K |
| 5 | 25 | -1460K |

## KENNEDY® Double-Sided Tape Measure, Set of 3

- Reverse printed blades allow you to easily read measurements on both sides
- Automatic brake locks the blade in position until you press the release button for accurate measurements
- Belt clip allows you to attach the product to your person for safekeeping
- Available in a range of sizes and specifications to suit your needs
- Sliding magnetic hook allows you to attach the end to ferrous materials for precision measuring
- ECC Class II

| Length (mm) | Order Code KEN-595 |
|---|---|
| 3m<br>5m<br>8m | -1470K |

## KENNEDY® Brass Back Dovetail Saw

Alloy steel blade, tensioned with hardened and ground teeth. Heavy rigid brass back and polished rosewood handle. Securely fastened with two brass screws.
20TPI.

| Blade Length | Weight Per 10 | Order Code KEN-597 |
|---|---|---|
| 200mm (8") | 500g | -5420K |

## KENNEDY® Steel Back Gent's Saws

Suitable for precise flush cutting. Sprung alloy steel blade with rigid steel back, polished wooden handle and brass ferrule.

**Blade width:** 60mm (2¼").

| Blade Length | Weight each | Order Code KEN-597 |
|---|---|---|
| 200mm (8") | 200g | -5480K |

## KENNEDY® Mini Gents Saws

Suitable for light duty precise cutting. Narrow blade width allows use in confined areas.
Polished wooden handle with brass ferrule.
Blade width: 40mm (1 1/2").

| Blade length mm | Order Code KEN-597 |
|---|---|
| 150 | -5560K |

## KENNEDY® Meteor Hand Saw

High quality hardened and tempered steel blade with specially hardened teeth.

**8 points per inch (7tpi)**

| Blade Length | Teeth Per Inch | Order Code KEN-597 |
|---|---|---|
| 550mm (22") | 7 | -4900K |
| 550mm (22") | 11 | -4920K |

## KENNEDY® Hardpoint Tenon Saw

Has file sharpened teeth with plain hardened cutting edges. Impact resistant handle. High quality.

**13 points per inch.**

| Blade Length | Weight Per 10 | Order Code KEN-597 |
|---|---|---|
| 250mm (10") | 3.8kg | -4620K |

## KENNEDY® Professional Tenon Saw

Manufactured from hardened and ground steel with glazed and polished blade, tensioned and fully sprung.
Highly polished brass back and handle.
Supplied in wallet with tooth guard.

**15 points per inch.**

| Blade Length | Weight Per 10 | Order Code KEN-597 |
|---|---|---|
| 250mm (10") | 6.0kg | -4600K |

## KENNEDY® Flexi Flush Cutting Saw

Suitable for precise cutting in confined areas or around obstructions. Flexible alloy steel blade, which cuts on the pull stroke.
Polished wooden handle with brass ferrule.
20TPI.

| Blade Length | Weight each | Order Code KEN-597 |
|---|---|---|
| 155mm (6") | 120g | -5520K |

## KENNEDY® Pad Saw

For use in confined spaces.

| Blade Length | Weight each | Order Code KEN-597 |
|---|---|---|
| 230mm (9") | 140g | -5270K |
| Spare Blade | | -5280K |

## KENNEDY® Plasterboard Saw

Suitable for rapidly cutting holes in plasterboard. Hardened and tempered carbon steel blade with polished wooden handle with brass ferrule. 7TPI.

| Blade Length | Weight each | Order Code KEN-597 |
|---|---|---|
| 150mm (6") | 105g | -5660K |

## SITESAFE® Hardpoint Hand Saw

Hardened and tempered blade. Designed to cut chipboard, blockboard, timber, plywood, hardboard, plasterboard and laminates. Specially hardened teeth to stay sharp longer. Tough handle with finger line for comfort and accuracy. 8TPI.

| Blade Length | Teeth per inch | Order Code SSF-597 |
|---|---|---|
| 560mm (22") | 8 | -4780K |

## KENNEDY® Folding Saw Horse - Twin Pack

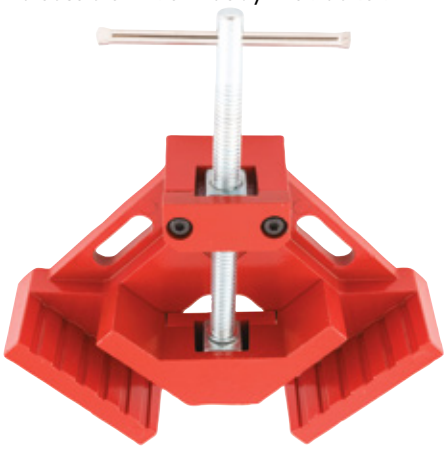
The Kennedy® Saw Horse is designed for supporting wooden planks and boards and is recommended for use in pairs. It has spreader bars for extra stability and features a support bar on the top with metric and inch scale and end stops to secure the workpiece in place. Folds flat for easy transportation and storage.

- Non-slip rubber inserts, prevent work piece slipping.
- Folds flat for easy transportation and storage.
- Suitable for on site and work-shop use.
- Rated to 100kg per pair.
- Metric and Palcové scale on the top.
- Waterproof.

| Dimensions (open) L x W x H (cm) | Dimensions (closed) L x W x H (cm) | Max Load per pair | Order Code **KEN-597** |
|---|---|---|---|
| 52 x 61 x 79.5 | 5.5 x 61 x 82.5 | 100kg | **-8140K** |

## KENNEDY® Corner Clamp

Ideal for use with wood, angle and tubing. lamping jaws swivel to accept various widths. Die cast aluminium body with bench mounting.
**Base :** 158 x 158mm.
**Jaw depth:** 36mm.
**Slot width:** 10mm.



| Maximum Clamping | Weight each | Order Code **KEN-597** |
|---|---|---|
| 70 x 70mm | 1.40kg | **-6000K** |

## KENNEDY® Bench Hook

Manufactured from the quality beech wood. Hooks into the edge of the bench allowing the workpiece to be held firmly against one end whilst cutting or marking out.
Universal - left and right handed.

| Internal Size (mm) | Order Code **KEN-597** |
|---|---|
| 230 x 150 | **-6290K** |

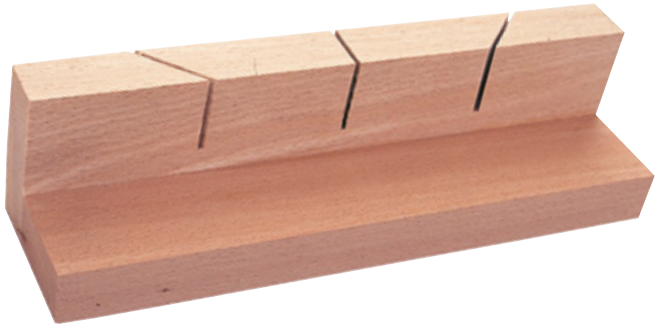
## KENNEDY® Beechwood Sawing Blocks

Mitre box and block pre-cut at 45° and 90°.

**Mitre Box**

| Internal Size (mm) | Order Code **KEN-597** |
|---|---|
| 230 x 76 | **-6090K** |

**Mitre Block**



| Internal Size (mm) | Order Code **KEN-597** |
|---|---|
| 230 x 76 | **-6190K** |

## KENNEDY® Bevel Edge Wood Chisels

**Craftsman**
Hammer-blow resistant handles. For craftsmen and joiners. Designed to give a life-time of high performance. Chrome vanadium alloy blades, hardened, tempered, ground and polished. 'CAB' (Cellulose Acetate Butyrate handles).

**Set**

| No. of Pieces | Contents | Weight each | Order Code KEN-597 |
|---|---|---|---|
| 4 | 6, 13, 19, & 25mm | 880g | -2980K |

**Professional**
'Classic' pattern. For professional carpenters.

**Set**

| No. of Pieces | Contents | Weight each | Order Code KEN-597 |
|---|---|---|---|
| 4 | 6, 13, 19, & 25mm | 800g | -2970K |

## SENATOR QUALITY TOOLING® Carpenter's Chisel Set

Made from quality materials and complete with its own canvas storage wallet. Bevel edged chrome vanadium blades, hardened, tempered, ground and polished.

Comfortable bi-material handles with impact resistant end caps.

**Contents:** 6mm (¼"), 13mm (½"), 19mm (¾") and 25mm (1") chisels.

4 PIECES

| Order Code SEN-597 |
|---|
| -2970K |

## KENNEDY® Cabinet Scraper Set

For fine surface finishing of intricate contour surfaces. Used to manually remove small amounts of material and excels in tricky grain areas where hand planes would cause tear out. They will stand up to any heavy-duty scraping task with minimum tear out. For best results, these scrapers should be burnished to a razor sharp edge.

3 PIECES

| Number of Pieces | Weight Set | Order Code KEN-597 |
|---|---|---|
| 3 | 170g | -7400K |

## KENNEDY® Hand Drill

Double pinion drill with die cast body and three jaw keyless chuck. Plastic handle with plastic grips and screw top, for bit storage. Used for small drilling operations.

| Overall Length | Weight per 6 | Order Code KEN-597 |
|---|---|---|
| 215mm | 2.80kg | -0600K |

## SENATOR QUALITY TOOLING Turning Tool Set

**Contents:** three straight gouges, two skew chisels, one V-parting tool, one round nose and one diamond point. HSS steel blades. All supplied in a wooden presentation case.

**Blade length:** 125mm.
**Handle length:** 250mm.

| Weight each | Order Code SEN-597 |
|---|---|
| 2.25kg | -3940K |

## KENNEDY Tacklifter

Beechwood handle, V-cut.

| Length | Weight each | Order Code KEN-597 |
|---|---|---|
| 195mm | 100g | -7150K |

## KENNEDY Marketry Punch

Beechwood handle, for piercing holes in veneer and thin wood.

| Length x Diameter | Weight each | Order Code KEN-597 |
|---|---|---|
| 65 x 3mm | 25g | -7250K |

## KENNEDY Beechwood Mallet

Traditional carpenter's pattern.

| Head Size | Weight each | Order Code KEN-597 |
|---|---|---|
| 114mm (4½") | 520g | -6450K |

## SENATOR QUALITY TOOLING Wood Carving Tool Set

**Contents:** four straight gouges, two square chisels, two skew chisels, two V-parting tools, one veiner and one spoon bit. Alloy steel blades. All supplied in a quality wooden presentation case.

**Blade length:** 110mm.
**Handle length:** 95mm.

| Weight each | Order Code SEN-597 |
|---|---|
| 1.30kg | -3960K |

## KENNEDY Marking & Mortice Gauges

**Beechwood Marking Gauge**
For marking wood and laminate parallel to edge, prior to cutting, sawing or chiselling. With plastic thumbscrew.
**Capacity:**
0 - 150 (6").
**Weight:** 142g.

| Gauge Type | Order Code KEN-597 |
|---|---|
| Marking | -6600K |

## KENNEDY Marking & Mortice Gauges

**Rosewood Mortice Gauge**
With pull slide, brass adjustment screw and brass plated head which is wear resistant and improves accuracy. Fitted with a single/double spur for marking out mortices.
**Capacity:**
0 - 150mm (6").
**Weight:** 142g.

| Gauge Type | Order Code KEN-597 |
|---|---|
| Mortice | -6650K |

## KENNEDY Chalk Lines

**Die Cast Zinc Alloy Case**
With a red satin finish.
Complete with folding locking handle. With sliding hatch for filling.
**Weight:** 383g.

**Chalk not included**

| Line Length | Order Code KEN-597 |
|---|---|
| 30m | -7320K |

## KENNEDY Adjustable Flat Bits

For cutting holes in wood, plastics etc.
Cutting diameter can be infinitely varied within range. Graduated scale with locking screw. For use in three jaw chucks.
9.6mm hexagon shank.
**Overall length:** 170mm.

| Cutting Range | Weight Per 12 | Order Code KEN-597 |
|---|---|---|
| 25 - 45mm | 1.8g | -4400K |
| 40 - 76mm | 2.8g | -4450K |

## KENNEDY Chalk Line Refills - Large

Suitable for all chalk lines. Good colour fastness and weather resistance.
**Available in three colours:**
**Blue** general use: externally and internally.
**Red** exterior masonry: indelible in use.
**White** for interior use.

| Colour | Weight each | Order Code KEN-597 |
|---|---|---|
| Blue | 100g | -7330K |
| Red | | -7340K |
| White | | -7350K |
| Blue | 250g | -7370K |
| Red | | -7380K |
| White | | -7390K |

## KENNEDY® Rafter Square

Manufactured from hardened and tempered ground steel. Graduated to 2mm on one side and 1/8" and 1/16" increments on the other. Enabling the user to determine the length of any common, hip, valley or jack rafter for any pitch of roof.

| Body Length | Tongue (mm) | Weight per 12 | Order Code KEN-597 |
|---|---|---|---|
| 610mm | 406 | 11.1kg | **-6950K** |

## KENNEDY® Sliding Bevels

Used for marking regular and irregular angles. The 9" sliding steel blade can be locked into any position using the brass thumbscrew. Rosewood stock with brass tips for greater wear resistance.

| Head Size | Weight Per 12 | Order Code KEN-597 |
|---|---|---|
| 190mm | 1.95kg | **-6750K** |
| 230mm | 2.20kg | **-6790K** |

## KENNEDY® Combination Squares

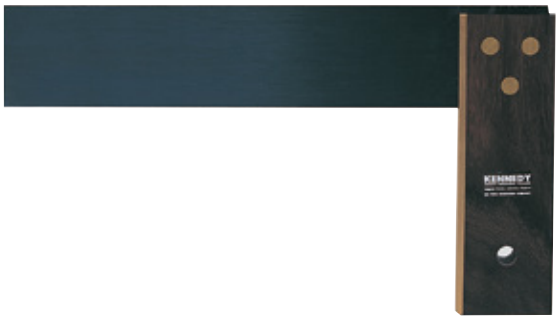
Multi-functional. Can be used as try square, mitre square, depth gauge, spirit level, marking gauge, height gauge and rule. Supplied with scribing tool. Diecast aluminium alloy head with the 6" rule and diecast zinc alloy head with the 12" rule. Precision rolled blades.

**Supplied with scribing tool.**

| Blade Length | Order Code KEN-597 |
|---|---|
| 150mm/6" | **-7060K** |
| 300mm/12" | **-7120K** |

## KENNEDY® Try & Mitre Squares

Rosewood stock with brass face for greater wear resistance. Blades are manufactured from hardened steel




| Head Size | Weight Per 12 | Order Code KEN-597 |
|---|---|---|
| 150mm (6") | 2.90kg | **-6860K** |
| 230mm (9") | 3.80kg | **-6890K** |

## KENNEDY® Angle Finder - Magnetic Base

Can be used independently as a 'quick check' tool or to convert a rule or square into a precision angle finder. High strength built-in ceramic magnet with vee groove for use on bars and pipes.

**Accuracy:** ±0.5%.

| Dial Reading | Order Code KEN-597 |
|---|---|
| 0-90° (Any Quadrant) | **-7500K** |

## SENATOR® QUALITY TOOLING Breast Drill 13mm 3-Jaw Chuck

- Allows operators to apply body weight to the drill, utilising gravity to increase efficiency on particularly tough jobs
- Specifically suited for drilling holes into bit blanks where diamonds are set, providing precise control and force
- Features an upper-end plate for the operator to press against, aiding in driving the bit into dense materials

| Overall Length | Chuck Size | Order Code SEN-597 |
|---|---|---|
| 380mm | 13mm | **-2204X** |

# HEXAGON KEYS

## KENNEDY® Hexagon Key L-Wrenches

Manufactured from fully hardened carbon steel in accordance with **DIN ISO 2936** ensuring a quality ductile key with precision square cut ends and accurate AF dimensions to ensure full socket contact. Black finish.

**METRIC** HEXAGON

### Metric - Standard Length

| Size (mm) | Dimensions (mm) a | b | Weight per 100 | Order Code KEN-601 |
|---|---|---|---|---|
| | | Pack of 100 | | |
| 1.5 | 46.0 | 15.0 | 0.95kg | -1150K |
| 2.0 | 52.0 | 18.0 | 1.93kg | -1200K |
| 2.5 | 58.0 | 20.0 | 3.36kg | -1250K |
| 3.0 | 66.0 | 23.0 | 5.52kg | -1300K |
| 4.0 | 74.0 | 29.0 | 11.4kg | -1400K |
| 5.0 | 85.0 | 33.0 | 20.4kg | -1500K |
| 6.0 | 96.0 | 38.0 | 33.3kg | -1600K |
| 7.0 | 102.0 | 41.0 | 48.5kg | -1700K |
| 8.0 | 108.0 | 44.0 | 67.4kg | -1800K |
| 10.0 | 122.0 | 50.0 | 119kg | -2100K |
| 12.0 | 137.0 | 57.0 | 194kg | -2120K |
| 14.0 | 154.0 | 70.0 | 305kg | -2140K |
| 17.0 | 177.0 | 80.0 | 517kg | -2170K |
| 19.0 | 199.0 | 89.0 | 723kg | -2190K |
| 22.0 | 222.0 | 102.0 | 1092kg | -2220K |
| | | Pack of 1 | | |
| 24.0 | 224.0 | 90.0 | | -2240K |
| 27.0 | 250.0 | 100.0 | | -2270K |
| 32.0 | 315.0 | 125.0 | | -2320K |

## KENNEDY® Metric/Inch Hexagon Key Set

Manufactured from high grade carbon steel to international standards **DIN ISO 2936**. Supplied in a tough ABS plastic case for easy storage and selection.
**Metric - 10 Piece:** 1.5, 2, 2.5, 3, 4 , 5, 6, 7, 8 and 10mm.
**Inch - 10 Piece:** 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8".

HEXAGON

**20 PIECES**

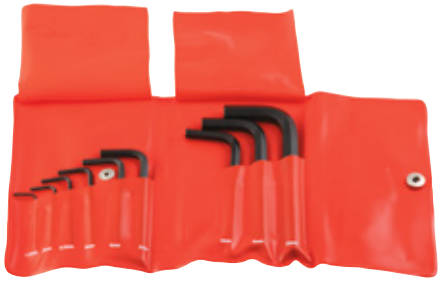
| Description | Order Code KEN-601 |
|---|---|
| 20 Piece Hexagon Key Set | -1060K |
| Description | Order Code KEN-593 |
| Spare Case for 601-1060K | -4500K |

## KENNEDY® Hexagon Key Walleted Sets

HEXAGON

**Metric - 9 Piece Set Contents:**
1.5 x 45, 2 x 50, 2.5 x 56, 3 x 63, 4 x 70, 5 x 79, 6 x 90, 8 x 100 and 10 x 112mm.

**Inch - 10 Piece Set Contents:**
1/16" x 1 3/4", 5/64" x 1 7/8", 3/32" x 2", 1/8" x 2 1/4", 5/32" x 2 1/2", 3/16" x 2 3/4", 7/32" x 3", 1/4" x 3 1/4", 5/16" x 3 3/4" and 3/8" x 4 1/4".



| Type | Order Code KEN-601 |
|---|---|
| Metric | -2970K |
| Inch | -0970K |

### Inch - Standard Length

**INCH** HEXAGON

| Size (inch) | Dimensions(mm) a | b | Weight per 100 | Order Code KEN-601 |
|---|---|---|---|---|
| | | Pack of 100 | | |
| 0.028" | 33 | 7 | 0.07kg | -0010K |
| 0.035" | 33 | 11 | 0.08kg | -0020K |
| 0.050" | 41 | 13 | 0.11kg | -0030K |
| 1/16" | 47 | 16 | 0.16kg | -0040K |
| 5/64" | 52 | 18 | 0.21kg | -0050K |
| 3/32" | 58 | 20 | 0.32kg | -0060K |
| 7/64" | 66 | 23 | 0.42kg | -0070K |
| 1/8" | 66 | 23 | 0.58kg | -0080K |
| 9/64" | 72 | 26 | 0.77kg | -0090K |
| 5/32" | 74 | 29 | 1.00kg | -0100K |
| 3/16" | 85 | 33 | 1.50kg | -0120K |
| 7/32" | 91 | 36 | 2.16kg | -0140K |
| 1/4" | 96 | 38 | 3.20kg | -0160K |
| 5/16" | 108 | 44 | 4.30kg | -0200K |
| 3/8" | 122 | 50 | 9.20kg | -0240K |
| 7/16" | 130 | 53 | 13.50kg | -0280K |
| 1/2" | 145 | 63 | 19.40kg | -0320K |
| 9/16" | 154 | 69 | 27.00kg | -0360K |
| 5/8" | 176 | 76 | 36.00kg | -0400K |
| 3/4" | 199 | 89 | 62.00kg | -0480K |
| 7/8" | 222 | 102 | 92.00kg | -0560K |
| 1" | 275 | 125 | 128.00kg | -0640K |

## KENNEDY® CV Hex Keys

Chrome vanadium steel with a nickel plating.
Manufactured to **DIN ISO 2936**.
Supplied in an indexed plastic holder.

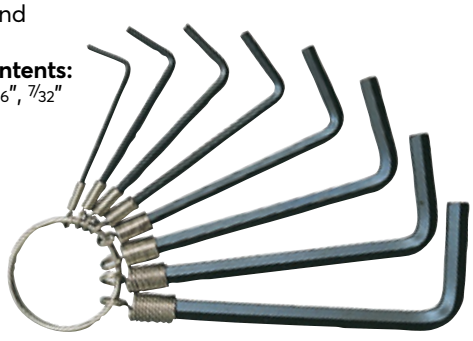
**METRIC** HEXAGON

| Size (mm) | Overall Length (mm) | Order Code KEN-601 |
|---|---|---|
| 1.5 | 45 | -7520K |
| 2.0 | 50 | -7540K |
| 2.5 | 55 | -7560K |
| 3.0 | 60 | -7580K |
| 4.0 | 75 | -7600K |
| 5.0 | 85 | -7620K |
| 6.0 | 95 | -7640K |
| 8.0 | 110 | -7660K |
| 10.0 | 120 | -7680K |
| 9 Piece Set | 1 of each above | -7990K |

## KENNEDY® Key Ring Sets

**Metric - 8 Piece Set Contents:**
1.5, 2, 2.5, 3, 4, 5, 5.5 and 6mm.

**Inch - 8 Piece Set Contents:**
1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32" and 1/4".

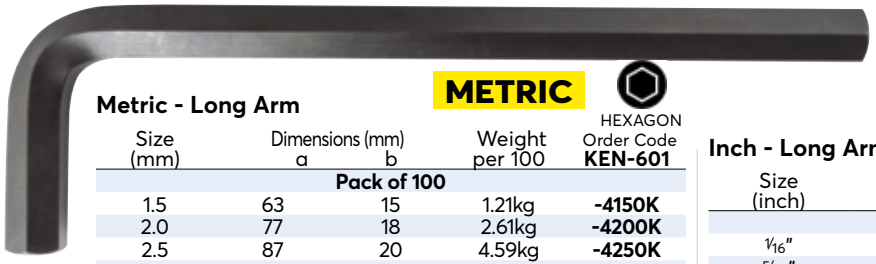


HEXAGON **8 PIECES**

| Type | Order Code KEN-601 |
|---|---|
| Metric | -2980K |
| Inch | -0980K |

## KENNEDY Hexagon Key L-Wrenches - Long Arm

Manufactured from fully hardened carbon steel in accordance with **DIN ISO 2936** ensuring a quality ductile key with precision square cut ends and accurate AF dimensions to ensure full socket contact. Black finish.



### Metric - Long Arm

METRIC — HEXAGON

| Size (mm) | Dimensions (mm) a | b | Weight per 100 | Order Code KEN-601 |
|---|---|---|---|---|
| | | **Pack of 100** | | |
| 1.5 | 63 | 15 | 1.21kg | **-4150K** |
| 2.0 | 77 | 18 | 2.61kg | **-4200K** |
| 2.5 | 87 | 20 | 4.59kg | **-4250K** |
| 3.0 | 93 | 23 | 7.17kg | **-4300K** |
| 4.0 | 104 | 29 | 14.6kg | **-4400K** |
| 5.0 | 120 | 33 | 26.3kg | **-4500K** |
| 6.0 | 141 | 38 | 44.3kg | **-4600K** |
| 8.0 | 158 | 44 | 89.1kg | **-4800K** |
| 10.0 | 180 | 50 | 158kg | **-5100K** |
| 12.0 | 202 | 57 | 257kg | **-5120K** |
| 14.0 | 229 | 70 | 405kg | **-5140K** |
| 17.0 | 262 | 80 | 684kg | **-5170K** |
| 19.0 | 280 | 89 | 922kg | **-5190K** |
| | | **Pack of 1** | | |
| 22.0 | 330 | 80 | | **-5220K** |
| 24.0 | 370 | 90 | | **-5240K** |
| 27.0 | 420 | 100 | | **-5270K** |
| 32.0 | 500 | 125 | | **-5320K** |

### Inch - Long Arm

INCH — HEXAGON

| Size (inch) | Dimensions (mm) a | b | Weight per 100 | Order Code KEN-601 |
|---|---|---|---|---|
| | | **Pack of 100** | | |
| 1/16" | 77 | 14 | 0.21kg | **-3040K** |
| 5/64" | 82 | 15 | 0.31kg | **-3050K** |
| 3/32" | 88 | 17 | 0.44kg | **-3060K** |
| 7/64" | 92 | 18 | 0.62kg | **-3070K** |
| 1/8" | 96 | 19 | 0.79kg | **-3080K** |
| 9/64" | 101 | 20 | 0.81kg | **-3090K** |
| 5/32" | 105 | 21 | 1.60kg | **-3100K** |
| 3/16" | 114 | 24 | 2.20kg | **-3120K** |
| 7/32" | 124 | 26 | 3.40kg | **-3140K** |
| 1/4" | 135 | 28 | 4.40kg | **-3160K** |
| 5/16" | 151 | 32 | 8.00kg | **-3200K** |
| 3/8" | 170 | 35 | 13.00kg | **-3240K** |
| 1/2" | 208 | 41 | 28.00kg | **-3320K** |
| 9/16" | 228 | 44 | 33.00kg | **-3360K** |
| 5/8" | 250 | 48 | 67.00kg | **-3400K** |

**Metric 9 Piece Long Arm Set Contents:**
1.5 x 77, 2 x 83, 2.5 x 90, 3 x 98, 4 x 106, 5 x 118, 6 x 137, 8 x 156, and 10 x 170mm.

METRIC — HEXAGON

| Number of Pieces | Weight each | Order Code KEN-601 |
|---|---|---|
| 9 | 450g | **-5970K** |

**Inch 10 Piece Long Arm Set Contents:**
1/16" x 3", 5/64" x 3 3/16", 3/32" x 3 1/2", 1/8" x 3 3/4", 5/32" x 4 1/8", 3/16" x 4 1/2", 7/32" x 4 7/8", 1/4" x 5 5/16", 5/16" x 6", and 3/8" x 6 3/4".

INCH — HEXAGON

| Number of Pieces | Weight each | Order Code KEN-601 |
|---|---|---|
| 10 | 380g | **-3970K** |

## KENNEDY Hexagon T-Handle Wrenches

Manufactured from fully hardened carbon steel. Ergonomically designed handle to provide high grip and torque with user comfort.

### Metric

METRIC — HEXAGON

| Size mm | Overall Length (mm) | Weight each | Order Code KEN-601 |
|---|---|---|---|
| 2.0 | 150 | 25g | **-6030K** |
| 2.5 | 150 | 30g | **-6050K** |
| 3.0 | 150 | 35g | **-6060K** |
| 4.0 | 190 | 55g | **-6080K** |
| 5.0 | 190 | 70g | **-6100K** |
| 6.0 | 225 | 120g | **-6120K** |
| 8.0 | 225 | 155g | **-6160K** |
| 10.0 | 225 | 220g | **-6200K** |

### Inch

INCH — HEXAGON

| Size (Inch) | Overall Length (Inch) | Weight each | Order Code KEN-601 |
|---|---|---|---|
| 3/32" | 6" | 25g | **-6560K** |
| 1/8" | 6" | 30g | **-6580K** |
| 5/32" | 7 1/2" | 55g | **-6600K** |
| 3/16" | 7 1/2" | 65g | **-6620K** |
| 1/4" | 9" | 130g | **-6660K** |
| 5/16" | 9" | 160g | **-6700K** |
| 3/8" | 9" | 210g | **-6740K** |

**Metric 5 Piece Set Contents:**
4, 5, 6, 8 and 10mm.

**Metric 8 Piece Set Contents:** 2, 2.5, 3, 4, 5, 6, 8 and 10mm.

HEXAGON

8 PIECES — METRIC

| Number of Pieces | Weight each | Order Code KEN-601 |
|---|---|---|
| 5 | 685g | **-6450K** |
| 8 | 765g | **-6470K** |

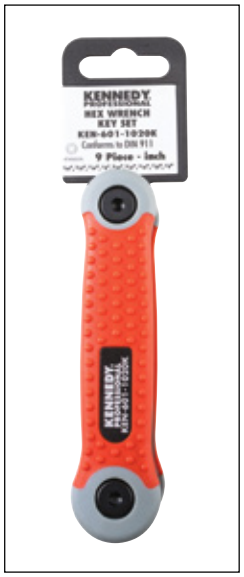
## KENNEDY Pro Pro-Torq Hex Wrench Sets on Clip

Supplied on robust plastic clips. Keeps all sizes together and readily available. Conveniently folds up to a handy pocket size with penknife type storage. Wrench size stamped on clip.

HEXAGON

INCH

METRIC




| Size | Weight each | Order Code KEN-601 |
|---|---|---|
| 5/64" - 1/4" | 160g | **-1020K** |
| 1.5 - 8mm | 160g | **-3020K** |

# HEXAGON BALL DRIVERS

## KENNEDY® Extra Long Ball Driver Hex Key Set

Can be used at angles of up to 30°. Manufactured from high grade carbon steel to international standards.

**Metric:**
1.5, 2, 2.5, 3, 4, 5 , 7, 8, 10mm

**Inch:**
1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8".

Tough ABS plastic case for easy storage and selection.

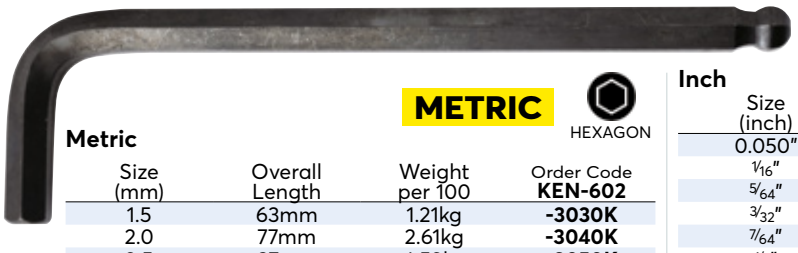
20 PIECES

| Description | Order Code KEN-593 |
|---|---|
| Spare Case to suit -2800K | -4520K |

| Weight each | Order Code KEN-602 |
|---|---|
| 940g | -2800K |

## KENNEDY® Ball Driver L-Wrenches

Manufactured from fully hardened carbon steel. A quality ductile key with precision cut ends and accurate AF dimensional to ensure maximum socket contact. Ball end allows up to 30° work offset. Long arm end is ball drive and short arm end plain. Black oxidised finish.



**METRIC** HEXAGON

**Metric**

| Size (mm) | Overall Length | Weight per 100 | Order Code KEN-602 |
|---|---|---|---|
| 1.5 | 63mm | 1.21kg | -3030K |
| 2.0 | 77mm | 2.61kg | -3040K |
| 2.5 | 87mm | 4.59kg | -3050K |
| 3.0 | 93mm | 7.17kg | -3060K |
| 4.0 | 104mm | 14.6kg | -3080K |
| 5.0 | 120mm | 26.2kg | -3100K |
| 6.0 | 141mm | 44.3kg | -3120K |
| 7.0 | 147mm | 63.5kg | -3140K |
| 8.0 | 158mm | 89.1kg | -3160K |
| 10.0 | 180mm | 158kg | -3200K |

**Metric 7 Piece**
**Set Contents:** 1.5, 2, 2.5, 3, 4, 5 and 6mm.

**Metric 9 Piece**
**Set Contents:** 1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10mm.

**Supplied in a plastic storage clip.**

**INCH** HEXAGON

**Inch**

| Size (inch) | Overall Length | Weight per 100 | Order Code KEN-602 |
|---|---|---|---|
| 0.050" | 77mm | 0.30kg | -4030K |
| 1/16" | 77mm | 0.32kg | -4040K |
| 5/64" | 82mm | 0.32kg | -4050K |
| 3/32" | 89mm | 0.46kg | -4060K |
| 7/64" | 96mm | 0.64kg | -4070K |
| 1/8" | 101mm | 0.86kg | -4080K |
| 9/64" | 105mm | 1.10kg | -4090K |
| 5/32" | 113mm | 2.10kg | -4100K |
| 3/16" | 124mm | 2.30kg | -4120K |
| 7/32" | 134mm | 3.40kg | -4140K |
| 1/4" | 150mm | 2.80kg | -4160K |
| 5/16" | 162mm | 8.00kg | -4200K |
| 3/8" | 186mm | 26.00kg | -4240K |

**Inch 7 Piece**
**Set Contents:** 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" and 3/16".

**Inch 9 Piece**
**Set Contents:** 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16" and 3/8".

**Supplied in a plastic storage clip.**

**METRIC** HEXAGON

| Number of Pieces | Weight each | Order Code KEN-602 |
|---|---|---|
| 7 | 110g | -4570K |
| 9 | 350g | -5500K |

**INCH** HEXAGON

| Number of Pieces | Weight each | Order Code KEN-602 |
|---|---|---|
| 7 | 80g | -5580K |
| 9 | 370g | -5730K |

# HEXAGON BALL DRIVERS



## KENNEDY Hexagon T-Handle Ball Drivers

Manufactured from fully hardened carbon steel. Ergonomically designed handle to provide high grip and torque with user comfort.

HEXAGON

### METRIC

| Size (mm) | Overall Length | Order Code KEN-602 |
|---|---|---|
| 2.5 | 150mm | -6050K |
| 3.0 | 150mm | -6060K |
| 4.0 | 150mm | -6080K |
| 5.0 | 190mm | -6100K |
| 6.0 | 190mm | -6120K |
| 8.0 | 230mm | -6160K |
| 10.0 | 230mm | -6200K |

### INCH

| Size (inch) | Overall Length | Order Code KEN-602 |
|---|---|---|
| 3/32" | 6" | -6560K |
| 1/8" | 6" | -6580K |
| 5/32" | 71/2" | -6600K |
| 3/16" | 71/2" | -6620K |
| 7/32" | 9" | -6640K |
| 1/4" | 9" | -6660K |
| 5/16" | 9" | -6700K |
| 3/8" | 9" | -6740K |

### METRIC

**5 Piece Set Contents:**
4, 5, 6, 8 and 10mm.

**7 Piece Set Contents:**
2.5, 3, 4, 5, 6, 8 and 10mm.

HEXAGON

7 PIECES

| Number of Pieces | Weight each | Order Code KEN-602 |
|---|---|---|
| 5 | 650g | -7650K |
| 7 | 1007g | -7770K |

## KENNEDY CV Ball Drivers

HEXAGON

Manufactured from chrome vanadium steel with a nickel plating. Set supplied in an indexed plastic holder. Individual hexagon key slots help to instantly identify missing drivers.

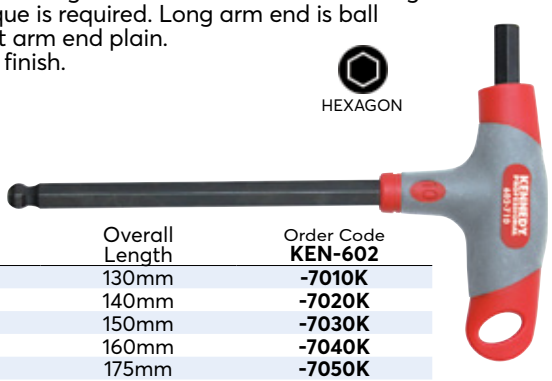
### METRIC

| Size (mm) | Overall Length | Order Code KEN-602 |
|---|---|---|
| 1.5 | 80mm | -9030K |
| 2.0 | 85mm | -9040K |
| 2.5 | 90mm | -9050K |
| 3.0 | 100mm | -9060K |
| 4.0 | 110mm | -9080K |
| 5.0 | 130mm | -9100K |
| 6.0 | 150mm | -9120K |
| 8.0 | 175mm | -9160K |
| 10.0 | 200mm | -9200K |
| 9 Piece Set | 1 of each above | -9940K |

## KENNEDY Pro Pro-Torq T-Handled Hexagon Ball Drivers

Manufactured from hardened carbon steel with a dual material 'T' handle grip for comfort and extra force. The ball drivers can be used at angles of up to 30° for use where access is restricted and the shorter hexagon end is ideal for use when a greater tightening torque is required. Long arm end is ball drive and short arm end plain.
Black oxidised finish.

HEXAGON

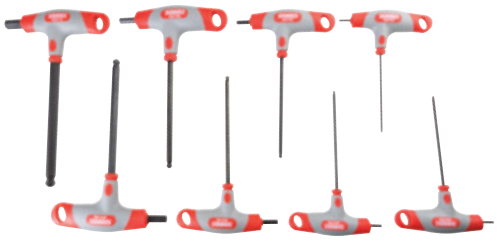


### METRIC

| Size (mm) | Overall Length | Order Code KEN-602 |
|---|---|---|
| 2.0 | 130mm | -7010K |
| 2.5 | 140mm | -7020K |
| 3.0 | 150mm | -7030K |
| 4.0 | 160mm | -7040K |
| 5.0 | 175mm | -7050K |
| 6.0 | 185mm | -7060K |
| 8.0 | 195mm | -7080K |
| 10.0 | 205mm | -7100K |

**8 Piece Set Contents:**
2.0, 2.5, 3, 4, 5, 6, 8 and 10mm.

8 PIECES



| Weight each | Order Code KEN-602 |
|---|---|
| 750g | -7800K |

## KENNEDY Hexagon Ball Driver Hand Clip Sets

### METRIC

**7 Piece Set Contents:** 2.5, 3, 4,5, 6, 8 and 10mm.

### INCH

**7 Piece Set Contents:**
3/32", 1/8", 5/32", 3/16", 1/4", 5/16" and 3/8".

HEXAGON

7 PIECES

| Description | Weight each | Order Code KEN-602 |
|---|---|---|
| Metric | 360g | -8070K |
| Inch | 465g | -8170K |

## KENNEDY Pro-Torq Hexagon Ball Wrench Clip Sets

Conveniently folds up to a handy pocket size with penknife type storage. Moulded handle that gives excellent grip and user comfort.

**Dimensions** (W x D x H):
40 x 22 x 115mm.

### METRIC

**8 Piece Set Contents:**
1.5 - 8mm.

### INCH

**9 Piece Set Contents:** 5/64" - 1/4".

HEXAGON

| Description | Number of Pieces | Weight each | Order Code KEN-602 |
|---|---|---|---|
| Metric | 8 | 169g | -8280K |
| Inch | 9 | 149g | -8390K |

# HEXAGON BALL DRIVERS



## KENNEDY Long Arm Ball Point Hex Key Set

NEW

- Long arm, colour coded ball point hex key set supplied in a plastic holder.
- Colour coding helps to easily identify size required

| Contents | Order Code KEN-601 |
|---|---|
| Set: 1.5-2-2.5-3-4-5-6-8-10mm | -8446K |

## KENNEDY Hexagon Ball Drivers

Can be used at angles of up to 25° from the screw head, making them ideal for awkward access areas.
Manufactured from hardened carbon steel, available with fluted driver handles, L-wrench pattern or T-handle.

**METRIC** HEXAGON

**Metric**

| Size (mm) | Blade Length | Weight Per 10 | Order Code KEN-602 |
|---|---|---|---|
| 1.5 | 86mm | 65g | -1030K |
| 2.0 | 89mm | 90g | -1040K |
| 2.5 | 99mm | 120g | -1050K |
| 3.0 | 81mm | 200g | -1060K |
| 4.0 | 97mm | 450g | -1080K |
| 5.0 | 109mm | 710g | -1100K |
| 6.0 | 137mm | 910g | -1120K |
| 8.0 | 163mm | 1580g | -1160K |
| 10.0 | 185mm | 1840g | -1200K |

**INCH** HEXAGON

**Inch**

| Size (Inch) | Blade Length | Weight Per 10 | Order Code KEN-602 |
|---|---|---|---|
| 1/16" | 84mm | 90g | -2040K |
| 5/64" | 89mm | 110g | -2050K |
| 1/8" | 79mm | 200g | -2080K |
| 9/64" | 84mm | 400g | -2090K |
| 5/32" | 89mm | 550g | -2100K |
| 3/16" | 96mm | 1380g | -2120K |

## KENNEDY Hexagon Ball Driver Sets

**Metric 6 Piece Set Contents:**
1.5, 2, 2.5, 3, 4 and 5mm.

6 PIECES **METRIC** HEXAGON

| Weight each | Order Code KEN-602 |
|---|---|
| 170g | -2560K |

**Metric 9 Piece Set Contents:**
1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10mm.

9 PIECES **METRIC** HEXAGON

| Weight each | Order Code KEN-602 |
|---|---|
| 640g | -2590K |

## KENNEDY L-Wrench Torx Keys

Manufactured from chrome molybdenum steel. Made to manufacturer's standards. Torx is a registered trademark of Camcar Textron.

TX

| Size | Length (mm) | Weight each | Order Code KEN-603 |
|---|---|---|---|
| T6 | 46 | 20g | -0060K |
| T7 | 52 | 20g | -0070K |
| T8 | 52 | 30g | -0080K |
| T9 | 54 | 30g | -0090K |
| T10 | 54 | 40g | -0100K |
| T15 | 58 | 55g | -0150K |
| T20 | 61 | 75g | -0200K |

| Size | Length (mm) | Weight each | Order Code KEN-603 |
|---|---|---|---|
| T25 | 63 | 100g | -0250K |
| T27 | 69 | 160g | -0270K |
| T30 | 78 | 210g | -0300K |
| T40 | 85 | 310g | -0400K |
| T45 | 92 | 445g | -0450K |
| T50 | 100 | 640g | -0500K |
| T55 | 120 | 1200g | -0550K |

## KENNEDY L-Wrench TXS (Tamper-Proof) Keys

TXS tamper-proof Torx keys are the same shape as standard Torx keys, but have a security hole in the middle. Manufactured from chrome molybdenum steel.

TXS

| Size | Length (mm) | Weight each | Order Code KEN-603 |
|---|---|---|---|
| T8 | 52 | 30g | -2080K |
| T9 | 54 | 30g | -2090K |
| T10 | 54 | 40g | -2100K |
| T15 | 58 | 55g | -2150K |
| T20 | 61 | 75g | -2200K |

| Size | Length (mm) | Weight each | Order Code KEN-603 |
|---|---|---|---|
| T25 | 63 | 100g | -2250K |
| T27 | 69 | 160g | -2270K |
| T30 | 78 | 210g | -2300K |
| T40 | 85 | 310g | -2400K |

## KENNEDY

**9 Piece Set Contents:** T8, T9, T10, T15, T20, T25, T27, T30 and T40. Supplied in a plastic storage clip.

TX

9 PIECES

| Weight each | Order Code KEN-603 |
|---|---|
| 155g | -0760K |

**9 Piece Set Contents:** T8, T9, T10, T15, T20, T25, T27, T30 and T40. Supplied in a plastic storage clip.

TXS

9 PIECES

| Weight each | Order Code KEN-603 |
|---|---|
| 102g | -2680K |

## KENNEDY Driver Style Torx Keys

TX

Screwdriver handle style wrenches. Suitable for all applications but particularly favoured for use when replacing shims and inserts on replaceable tipped carbide tooling. Also favoured by the electronics industry. Made from chrome molybdenum steel. Each driver is marked with size.

| Size | Length (mm) | Weight each | Order Code KEN-603 |
|---|---|---|---|
| T6 | 61 | 30g | -0060D |
| T7 | 61 | 32g | -0070D |
| T8 | 72 | 34g | -0080D |
| T9 | 75 | 60g | -0090D |

| Size | Length (mm) | Weight each | Order Code KEN-603 |
|---|---|---|---|
| T10 | 75 | 60g | -0100D |
| T15 | 92 | 83g | -0150D |
| T20 | 96 | 97g | -0220D |
| T25 | 100 | 100g | -0250D |

## KENNEDY Pro Pro-Torq Torx Wrench Set on Clip

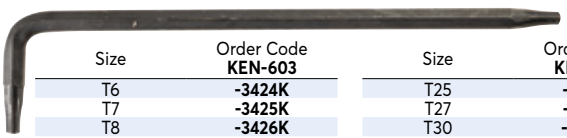
Eight keys supplied on robust plastic clip. Keeps all sizes together and readily available. Conveniently folds up to a handy pocket size with penknife type storage. Wrench size stamped on clip.

| Size | Weight each | Order Code KEN-603 |
|---|---|---|
| T9 - T40 | 164g | -1680K |

## KENNEDY Long Arm Star Key

NEW

Manufactured from high grade carbon steel to international standards.



| Size | Order Code KEN-603 | Size | Order Code KEN-603 |
|---|---|---|---|
| T6 | -3424K | T25 | -3437K |
| T7 | -3425K | T27 | -3441K |
| T8 | -3426K | T30 | -3444K |
| T9 | -3427K | T40 | -3447K |
| T10 | -3428K | T45 | -3450K |
| T15 | -3431K | T50 | -3453K |
| T20 | -3434K | T55 | -3456K |

NEW

| Contents | Order Code KEN-603 |
|---|---|
| Set: T8-T9-T10-T15-T20-T25-T27-T30-T40 | -3464K |

# Fasteners & Fixings

Keeping Industry Working™

Product Groups

# 615 - 662

## Contents


| Description | Group | Page |
|---|---|---|
| Circlips | 649 | **535** |
| Dowel Pins | 650 | **544** |
| Fastener Assortments | 615 | **534 - 542** |
| Hose Clips & Pipe Clips | 662 | **546 - 549** |
| "O" Rings | 615 | **541** |
| Rivets | 615 | **536 & 541** |

| Description | Group | Page |
|---|---|---|
| Socket Head - Cap Screws | 615 | **534** |
| - Countersunk Screws | 615 | **534** |
| Thread Repair | 620 | **543** |
| Wall Plugs | 615 | **540** |
| Washers | 615 | **541 - 542** |

# FASTENERS ASSORTMENTS



## KENNEDY® Fix-it Kits

**Metric Socket Head Cap Screws**

**Sizes:** M5 x 12, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20, M6 x 25, M8 x 16, M8 X 20 and M8 x 25.

| Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|
| 300 | 1.15Kg | **-4630K** |

## KENNEDY® Metric Socket Screws - BZP Cap Head

**Sizes:** M5 x 12, 16 and 20. M6 x 12, 16, 20 and 25. M8 x 16, 20 and 25.
**DIN 912. Grade 12.9**.

| Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|
| 240 | 1.91Kg | **-5060K** |

## KENNEDY® Metric Socket Screws - Button Head

**Sizes:** M5 x 12, 16 and 20. M6 x 12, 16, 20 and 25. M8 x 20, 25 and 30.
**ISO 7380**.

| Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|
| 310 | 1.80Kg | **-5010K** |

## KENNEDY® Metric Socket Screws - BZP Button Head

**Sizes:** M5 x 12, 16 and 20. M6 x 12, 16, 20 and 25. M8 x 20, 25 and 30.
**ISO 7380.**

| Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|
| 310 | 1.80Kg | **-5020K** |

## KENNEDY® Metric Socket Head Countersunk Screws

**Metric:** M5 x 12, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20, M6 x 25, M8 x 20,
M8 x 25, M8 x 30
**DIN 7991**.

| Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|
| 410 | 1.99Kg | **-5090K** |

## KENNEDY® Metric Socket Screws - BZP Countersunk

**Sizes:** M5 x 12, 16 & 20. M6 x 12, 16, 20 and 25. M8 x 20, 25 and 30.
**DIN 7991**.

| Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|
| 410 | 2.00Kg | **-5100K** |

## SENATOR QUALITY TOOLING Fix-it Kits

### Interior Circlips

These are constructed from durable spring steel and are black oxide treated for extra strength.

**Contents:**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3mm | - | x20 | 11mm | - | x15 | 20mm | - | x15 |
| 4mm | - | x10 | 12mm | - | x15 | 22.5mm | - | x20 |
| 5mm | - | x15 | 13mm | - | x25 | 25mm | - | x15 |
| 6mm | - | x25 | 14mm | - | x15 | 26mm | - | x15 |
| 8mm | - | x15 | 16mm | - | x20 | 28mm | - | x10 |
| 9mm | - | x20 | 19mm | - | x25 | 32mm | - | x5 |

| Type | Average Quantity | Order Code SEN-615 |
|---|---|---|
| Internal Circlip Kit | 300 | -4520K |

### Exterior Circlips

These are constructed from durable spring steel and are black oxide treated for extra strength.

**Contents:**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3mm | - | x20 | 11mm | - | x15 | 20mm | - | x15 |
| 4mm | - | x10 | 12mm | - | x15 | 22.5mm | - | x20 |
| 5mm | - | x15 | 13mm | - | x25 | 25mm | - | x15 |
| 6mm | - | x25 | 14mm | - | x15 | 26mm | - | x15 |
| 8mm | - | x15 | 16mm | - | x20 | 28mm | - | x10 |
| 9mm | - | x20 | 19mm | - | x25 | 32mm | - | x5 |

| Type | Average Quantity | Order Code SEN-615 |
|---|---|---|
| External Circlip Kit | 300 | -4510K |

## KENNEDY Fix-it Kits

### Circlips

**Contents:**
**Internal:** 14, 16, 19, 22, 24 and 25mm.
**External:** 12, 14, 16, 19, 22, 24 and 25mm.

**BEST SELLER**

| Type | Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|---|
| Circlips | 380 | 0.5kg | -4470K |

## KENNEDY Metric Nuts & Bolts Mild Steel. Grade 4.6.

**Contents:** M6 x 20, M6 x 40, M6 x 45, M8 x 25, M8 x 30, M8 x 35 and M8 x 50mm.

| Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|
| 200 | 1.70kg | -4030K |

## KENNEDY E Clip Kit

**Contents:** 3.2, 4, 5, 6, 8, 10 and 12mm.

| Type | Average Quantity | Order Code KEN-615 |
|---|---|---|
| E Clip Kit | 355 | -4475K |

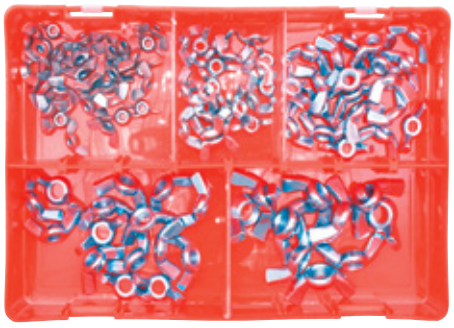
## KENNEDY Nyloc Zinc Plated Nuts

**Contents:** M5, M6, M8, M10, M12, M14 and M16.

| Type | Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|---|
| Metric | 300 | 1.10kg | -4180K |

## KENNEDY Zinc Plated Wing Nuts

**Contents:** M4, M5, M6, M8 and M10.



| Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|
| 100 | 0.50kg | -4210K |

## KENNEDY Cold Formed Zinc Plated Nuts

**Contents:** M5, M6, M8, M10 and M12.

| Type | Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|---|
| Metric | 375 | 1.40kg | -4150K |

# FASTENERS ASSORTMENTS



## KENNEDY® Fix-it Kits

### Spring Tension Pins

**Contents:**
2.5 x 24, 2.5 x 40, 3 x 24, 3 x 40, 4 x 24, 4 x 40, 5 x 24, 5 x 40, 6 x 24, 6 x 40 and 8 x 55mm.

| Type | Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|---|
| Roll Clips | 300 | 0.80kg | **-4500K** |

## KENNEDY® Retaining Clips

**Contents (D x L):** 5 - 7 x 1.2, 7 - 9 x 1.2, 9 - 11 x 2, 14 - 16 x 3, 14 - 18 x 4mm.

| Type | Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|---|
| Retaining Clips | 75 | 0.40kg | **-4800K** |

## SENATOR QUALITY TOOLING Fix-it Kits Assorted Split Cotter Pins

Zinc plated to prevent rust.

**Contents:**
1/16" x 1" - x150, 3/32" x 1" - x150, 3/32" x1 1/2" - x100, 1/8" x 1 1/4" - x75.
1/8" x 2" - x50 and 5/32" x 2 1/2" - x30.

| Type | Average Quantity | Order Code SEN-615 |
|---|---|---|
| Assorted Split Cotter Pins | 555 | **-7810K** |

## KENNEDY® Dowel Pin Kit - Metric & Inch

Hardened and precision ground. **DIN 6325**.

**Metric Sizes:** 1.5 x 8mm through to 8 x 32mm.

**Inch Sizes:** 1/16" x 1/2" through to 3/8" x 2".

| Metric/ Inch | Average Quantity | Order Code KEN-615 |
|---|---|---|
| Metric | 265 | **-4510K** |
| Inch | 345 | **-4520K** |

## KENNEDY® Aluminium Dome Head Rivet Kit

**Contents:**
2.4 x 6mm - x200, 2.4 x 8mm - x200, 3.2 x 5mm - x100, 3.2 x 7mm - x100, 3.2 x 10mm - x100, 4.0 x 6mm - x75, 4.0 x 10mm - x75, 4.0 x 12mm - x60, 4.8 x 9mm - x50, 4.8 x 16mm - x40.

| Type | Avg Qty | Weight each | Order Code KEN-615 |
|---|---|---|---|
| Dome Head Rivets | 1000 | 1.25kg | **-4010K** |

## KENNEDY® Fix-it Kits Woodruff Keys

**Contents:**
1/2" x 1/16", 1/2" x 3/32", 1/2" x 1/8", 5/8" x 3/32", 5/8" x 1/8", 5/8" x 5/32", 5/8" x 3/16 3/4" ",x 1/8", 3/4" x 5/32", 3/4" x 3/16", 3/4" x 1/4", 7/8" x 5/32", 7/8" x 3/16", 7/8" x 7/32" and 7/8" x 1/4".

| Washer Type | Average Quantity | Order Code KEN-615 |
|---|---|---|
| Woodruff Keys | 100 | **-4540K** |

## KENNEDY® Clevis Pins

**Contents:** 3/16" x 5/8", 3/16" x 1", 1/4" x 3/4", 1/4" x 7/8", 1/4" x 1", 1/4" x 1 1/2", 5/16" x 3/4", 5/16" x 1", 5/16" x 1 1/4", 5/16" x 1 1/2", 5/16" x 1 3/4" and 3/8" x 1", 3/8" x 1 1/4".

| Type | Avg Qty | Weight each | Order Code KEN-615 |
|---|---|---|---|
| Clevis Pins | 170 | 1.25kg | **-4490K** |

## KENNEDY® Split Cotter Pins

**Large:**
1/8" x 1 1/2", 1/8" x 2", 9/64" x 2", 5/32" x 1 1/2", 5/32" x 2", 3/16" x 1 1/2", 3/16" x 2" and 1/4" x 2".

**Small:**
1/16" x 1", 5/64" x 1", 3/32" x 1", 1/8" x 1", 9/64" x 1 1/2", 1/16" x 1 1/2", 5/64" x 1 1/4", 3/32" x 1 1/2", 7/64" x 1 1/2", 1/8" x 1 1/2" and 5/32" x 1 1/2".

| Type | Average Quantity | Weight each | Order Code KEN-615 |
|---|---|---|---|
| Large | 200 | 1.35kg | **-4420K** |

## KENNEDY® Fix-it Kits

### Set Screws, Nuts & Washers

**Metric: Grade 8.8:** M6 x 25, M6 x 40, M8 x 25, M8 x 40 and M10 x 25, M10 x 40mm.

**UNF: Grade 'S':** 1/4" x 3/4", 1/4" x 1", 5/16 x 1", 5/16" x 1 1/4", 3/8" x 1", 3/8" x 1 1/2".

**UNC: Grade 'S':** 1/4" x 3/4", 1/4" x 1", 5/16" x 1", 5/16" x 1 1/4", 3/8" x 1", 3/8" x 1 1/2".

| Type | Average Quantity | Order Code KEN-615 |
|---|---|---|
| Metric | 288 | **-4110K** |

## QUALFAST A2 Stainless Steel Nuts & Washer Kit Plus Nyloc Nut Kit

**Contents:**

**Full Nuts:** M5, M6, M8, M10 and M12.
**Form B:** M5, M6, M8, M10 and M12.

**Nyloc Nuts:** M3, M4, M5, M6, M8, M10, M12, M14, M16 and M20.

| Type | Average Quantity | Weight each | Order Code **QFT-615** |
|---|---|---|---|
| Metric | 890 | 1.7kg | **-4400K** |
| Metric | 1087 | 2.6kg | **-4480K** |

### A4 Stainless Steel Metric Hex Head Screw Kit

**Contents:** M6 x 12 x 25, M6 x 16 x 25, M6x20 x 25, M6 x 25 x 25, M8 x 16 x 20, M8x20 x 20, M8 x 25 x 20, M8 x 30 x 20, M10 x 25 x 10 and M10 x 30 x 10mm.

| Type | Average Quantity | Order Code **QFT-615** |
|---|---|---|
| Metric | 200 | **-4640K** |

## QUALFAST Stainless Fastener Assortments

### A2 Stainless Steel Socket Cap Screw Kit

**Contents:** 5 x 12, 5 x 16, 5 x 20, 6 x 12, 6 x 16, 6 x 20, 6 x 25, 8 x 16, 8 x 20 and 8 x 25.

| Type | Average Quantity | Weight each | Order Code **QFT-615** |
|---|---|---|---|
| Metric | 250 | 2.0kg | **-4380K** |

### A2 Stainless Steel Socket Button Screw Kit

**Contents:** M5 x 12, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20, M6 x 25, M8 x 20, M8 x 25 and M8 x 30.

| Type | Average Quantity | Weight each | Order Code **QFT-615** |
|---|---|---|---|
| Metric | 310 | 1.5kg | **-4420K** |

# FASTENERS ASSORTMENTS



## QUALFAST Stainless Fastener Assortments

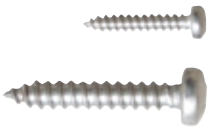
**A2 Stainless Steel Pozi Pan head CSK Self-tapping Screw Kits**

**Contents:**
**CSK STS:** 2.9 x 13, 2.9 x 16, 3.5 x 13 3.5 x 19, 3.5 x 25, 4.2 x 13, 4.2 x 19, 4.2 x 25, 4.8 x 16 and 4.8 x 25mm.

| Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| CSK | 900 | -4440K |

## QUALFAST A2 Stainless Steel Pozi Pan Head Self-tapping Screw Kits

**Contents:**
**PAN STS:** 2.9 x 13, 2.9 x 16, 3.5 x 13, 3.5 x 19, 3.5 x 25, 4.2 x 13, 4.2 x 19, 4.2 x 25, 4.8 x 16 and 4.8 x 25mm.



| Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| PAN | 900 | -4450K |

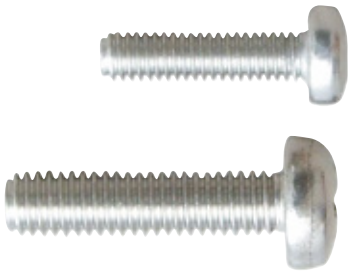
## QUALFAST A2 Stainless Steel Pozi CSK Woodscrew Kits

**Contents:** 3.5 x 16, 3.5 x 20, 3.5 x 25, 4.0 x 20, 4.0 x 25, 4.0 x 30, 5.0 x 25, 5.0 x 30, 5.0 x 40 and 5.0 x 50mm.

| Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| Metric | 625 | -4430K |

## QUALFAST A2 Stainless Steel Pozi Pan Head Machine Screw Kits

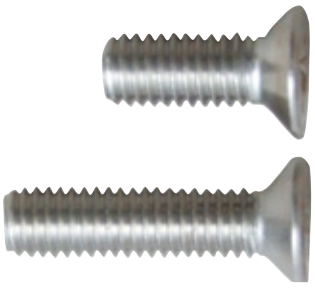
**Contents:**
**PAN:** M4 x 10, M4 x 12, M4 x 16, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20 and M6 x 25mm.



| Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| PAN | 400 | -4460K |

## QUALFAST A2 Stainless Steel Pozi CSK Machine Screw Kits

**Contents:**
**CSK:** M4 x 10, M4 x 12, M4 x 16, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20 and M6 x 25mm.



| Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| Pozi CSK | 500 | -4470K |

## QUALFAST A2 Stainless Steel CSK Socket Screw Kit

**Contents:** M5 x 12, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20, M6 x 25, M8 x 20, M8 x 25 and M8 x 30mm.

| Washer Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| Metric | 310 | -4410K |

## QUALFAST Fix-it Kits

**A4 Stainless Steel Metryczne Nut & Washer Kit**

**Contents:**
**Nuts:**
M5 - x150, M6 - x100, M8 - x50, M10 - x25, M12 - x15,

**Washers:**
M5 - x200, M6 - x150, M8 - x100, M10 - x50 and M12 - x50.

| Washer Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| Metric | 890 | -4630K |

## QUALFAST A4 Stainless Steel Metric Nut Kit

**Contents:**
M3 - x250, M4 - x200, M5 - x150, M6 - x100, M8 - x50, M10 - x25, M12 - x15, M16 - x9, M20 - x4 and M24 - x2.

| Washer Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| Metric | 805 | -4610K |

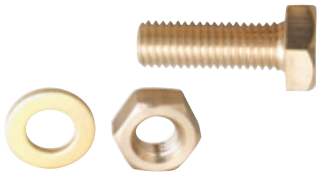
## QUALFAST A4 Stainless Steel Metric Washer Kit

**Contents:**
M3 - x300, M4 - x250, M5 - x200, M6 - x150, M8 - x100, M10 - x50, M12 - x50, M16 - x25, M20 - x10 and M24 - x5.

| Washer Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| Metric | 1140 | -4620K |

## QUALFAST Brass Fastener Assortments Brass Hex Nuts & Washer Set

**Contents:**
M6 - x12, M6 - x16, M6 - x20, M6 - x25, M8 - x16, M8 - x20, M8 - x25, M8 - x30, M10 - x25 and M10 - x30.



| Type | Avg Qty | Weight each | Order Code QFT-615 |
|---|---|---|---|
| Metric | 110 | 2.2kg | -5400K |

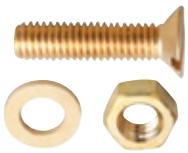
## QUALFAST Brass Slot Pan M/C Nuts & Washer Set

**Contents:** M4 x 8, M4 x 10, M4 x 12, M4 x 16, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20 and M6 x 25mm.

| Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| Metric | 310 | -5460K |

## QUALFAST Brass Slot CSK M/C Nut & Washer Set

**Contents:**
M4 x 8, M4 x 10, M4 x 12, M4 x 16, M5 x 16, M5 x 20, M6 x 12, M6 x 16, M6 x 20 and M6 x 25mm.



| Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| Metric | 310 | -5470K |

## QUALFAST Brass Metryczne Nut

**Contents:**
M2.5 - x250, M3 - x200, M4 - x150, M5 - x100, M6 - x50, M8 - x25, M10 - x15, M12 - x10, M16 - x8 and M20 - x4.

| Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| Metric | 812 | -5510K |

## QUALFAST Brass Metryczne Washer

**Contents:**
M2.5 x 300, M3 x 250, M3.5 x 250, M4 x 200, M5 x 150, M6 x 100, M8 x 50, M10 x 50, M12 x 25 and M16 x 5.

| Type | Average Quantity | Order Code QFT-615 |
|---|---|---|
| Metric | 1380 | -5520K |

# FASTENER ASSORTMENTS



## KENNEDY® Fix-it Kits

PZ

**Self-Tapping Screws**
**Contents:**
**Slotted Zinc-Plated Countersunk:**
4 x 1/4, 4 x 5/8, 4 x 3/4, 6 x 1/2, 6 x 3/4, 6 x 1, 8 x 1/2, 8 x 3/4, 8 x 1, 10 x 1/2, 10 x 3/4, 10 x 1.

**Pan Head:**
4 x 1/2, 4 x 3/4, 6 x 1/2, 6 x 3/4, 8 x 1/2, 8 x 3/4, 10 x 1/2, 10 x 3/4, 10 x 1mm.

**Pozi Pan Head:**
4 x 1/2, 6 x 1/2, 8 x 1/2, 10 x 1/2, 12 x 1/2, 4 x 3/4, 6 x 3/4, 8 x 3/4, 10 x 3/4, 12 x 3/4, 6 x 1, 8 x 1, 10 x 1.

**Flange:** 1/2 x 6, 5/8 x 6, 3/4 x 6, 1/2 x 8, 3/4 x 8, 1/2 x 10, 3/4 x 10mm.

| Type | Average Quantity | Order Code KEN-615 |
|---|---|---|
| Pan Head (S) | 700 | -4060K |
| Pan Head (p) | 700 | -4600K |
| Flange | 700 | -4610K |

**Wall Plugs**
**Contents:** yellow, red, brown and blue.

| Average Quantity | Order Code KEN-615 |
|---|---|
| 220 | -4740K |

## MATLOCK Screw Organiser

PZ

**2880 Pieces**
**Silver-TT™ Twin Thread**
**Woodscrew Set**

**Set Contents:**
No.6 x 3/4"(325),
No.6 x 1"(375),
No.8 x 1"(575),
No.8 x 1 1/4"(400),
No.8 x 1 1/2"(300),
No.8 x 2"(200),
No.8 x 2 1/2"(75),
No.10 x 2"(70),
No.10 x 2 1/2"(60),
No.10 x 3"(50).

**Fixing Plugs:**
red 5.5mm (300),
brown 7mm (150).

Metal Case

| Weight each | Order Code MTL-615 |
|---|---|
| 9.15kg | -0010K |

## MATLOCK Screw Organiser

PZ

**2880 Pieces**
**Gold-ZP™ Fibre Board**
**Woodscrew Set**

**Set Contents:**
3.5 x 20mm (325),
3.5 x 25 (375),
4.0 x 25 (575),
4.0 x 30(400),
4.0 x 40 (300),
4.0 x 50 (200),
4.0 x 60 (75),
5.0 x 50(70),
5.0 x 60 (60),
5.0 x 70 (50).

**Fixing Plugs:**
red 5.5mm (300),
brown 7mm (150).

Metal Case

| Average Quantity | Order Code MTL-615 |
|---|---|
| 2880 | -0020K |

## SENATOR QUALITY TOOLING 210 pce Multi-purpose Wood Screws Kit

Supplied in a transparent plastic box.

**Contents:**
3.00 x 20mm - 65, 3.5 x 25mm - 45, 3.5 x 35mm - 35, 4.0 x 15mm - 30, 4.0 x 40mm - 20, 5.0 x 50mm - 15.

| Average Quantity | Order Code SEN-615 |
|---|---|
| 210 | -2100K |

## SENATOR QUALITY TOOLING Standard Auto Blade Fuse Set

Supplied in a transparent plastic box.

**Contents:**
10 each of 5, 10, 15, 20, 25 and 30 amp blade fuses.

60 PIECES

| Qty | Order Code SEN-615 |
|---|---|
| 60 | -2000K |

## KENNEDY® Countersunk Wood Screws

PZ

**Contents:**
**Slotted Zinc-Plated:** 1/2 x 4, 3/4 x 4, 3/4 x 6, 1 x 6, 1/2 x 8, 3/4 x 8, 1 x 10, 1 1/2 x 10mm.

**Pozidriv® Zinc-Plated:** 1/2 x 4, 3/4 x 4, 3/4 x 6, 1 x 6, 1/2 x 8, 3/4 x 8, 1 x 10, 1 1/2 x 10mm.

| Average Quantity | Order Code KEN-615 |
|---|---|
| 350 | -4370K |

## KENNEDY Fix-it Kits

**Machine Screws & Nuts**
**Steel - Pan Head:**
M3 x 10, M3 x 12, M3 x 16, M3 x 20, M4 x 8, M4 x 10, M4 x 12, M4 x 16, M4 x 20, M4 x 25, M5 x 10, M5 x 12, M5 x 16, M5 x 20, M6 x 10, M6 x 12, M6 x 16, M6 x 20 and M6 x 25.

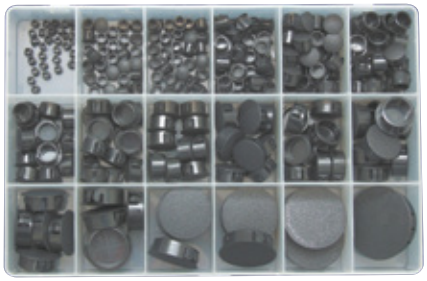
**Brass - Round Head Plus Washers:**
4BA x ¾", 4BA x 1", 4BA x 1½", 2BA x ¾", 2BA x 1" and 2BA x 1½".

| Type | Avg Qty | Weight each | Order Code KEN-615 |
|---|---|---|---|
| Steel | 600 | 1.15kg | -4290K |

## KENNEDY Fix-it Kits

**Blind Grommets**
Made from chemical/heat resistant nylon 66 with a flammability rating of UL94V-2 and material temperature index: 125°C.

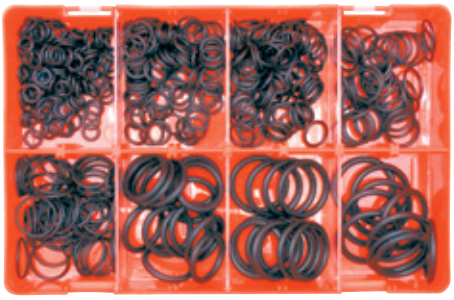
**Contents:** diameters from 4.8 - 45mm for maximum panel thickness from 1.6 - 3.2mm.



| Average Qty | Weight each | Order Code KEN-615 |
|---|---|---|
| 260 | 485g | -4760K |

## KENNEDY Metric 'O' Rings

**Contents:** M6, M10, M11, M14, M17, M21, M24 and M25.



| Type | Avg Qty | Weight each | Order Code KEN-615 |
|---|---|---|---|
| Metric 'O' Rings | 400 | 0.30kg | -4900K |

## SENATOR QUALITY TOOLING 92 pce Hook & Eye Bolt Assortment Kit

**Contents:**
**Round eye bolt:** 12mm x 14, 20mm x 10, 40mm x 8

**Cup hook:** 12mm x 6, 22mm x 8, 30mm x 6, 40mm x 4

**L-hook:** 20mm x 12, 25mm x 10, 30mm x 6, 40mm x 8

| Average Quantity | Order Code SEN-615 |
|---|---|
| 92 | -2500K |

## SENATOR QUALITY TOOLING Fix-it Kits

### Aluminium Rivet Assortment Kit

Supplied in a transparent plastic box.

**Contents:**
3.2 x 8mm - 20
3.2 x 9.5mm - 20
4.0 x 10mm - 20
4.8 x 9mm - 12
4.8 x 12.7mm - 12
4.8 x 16mm - 18

| Type | Avg Qty | Order Code SEN-615 |
|---|---|---|
| Rivets | 102 | -2300K |

## SENATOR QUALITY TOOLING Fix-it Kits

**Set Screws, Nuts & Washers - BZP**
Made from bright zinc plated machine and tempered low carbon steel, rust and corrosion-resistant.

### Contents:

**Screws:**
M4 x 12 - x10,
M4 x 20 - x10,
M5 x 16 - x10,
M5 x 25 - x10,
M6 x 20 - x10,
M6 x 30 - x10,
M8 x 25 - x5,
M8 x 40 - x5,
M10 x 16 - x5,
M10 x 40 - x5.

**Washers:**
M4 - x20,
M5 - x20,
M6 - x20,
M8 - x10,
M10 - x10.

**Nuts:**
M4 - x20,
M5 - x20,
M6 - x20,
M8 - x10,
M10 - x10,

| Average Quantity | Order Code SEN-615 |
|---|---|
| 240 | -6110K |

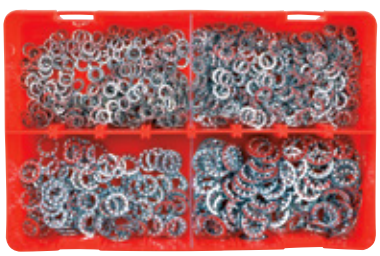
## KENNEDY Fibre Washers - Metric

**Contents:** M5, M6, M8, M10 and M12.

| Washer Type | Average Quantity | Order Code KEN-615 |
|---|---|---|
| Fibre | 600 | -4280K |

## KENNEDY Internal Disc Lock Washers - Metric

**Contents:** M5, M6, M8 and M10.



| Washer Type | Average Quantity | Order Code KEN-615 |
|---|---|---|
| Internal Lock | 750 | -4250K |

# FASTENERS ASSORTMENTS



## SENATOR QUALITY TOOLING Fix-it Kits

**Flat & Spring Washers**

**Contents:**

**Flat Washers (diameter):**
4mm - x120, 5mm - x100, 6mm - x80, 8mm - x50, 10mm - x30 and 12mm - x15.

**Spring Washers (diameter):**
4mm - x120, 5mm - x100, 6mm - x80, 8mm - x50, 10mm - x30 and 12mm - x15.

| Type | Average Quantity | Order Code **SEN-615** |
|---|---|---|
| Flat & Spring Washer Kit | 790 | **-3810K** |

## KENNEDY Fix-it Kits

**Plain Washers - Metric**

**Contents:** M5, M6, M8, M10 and M12mm.

| Washer Type | Average Quantity | Order Code **KEN-615** |
|---|---|---|
| Plain | 1500 | **-4230K** |

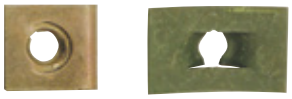
## KENNEDY Square Section Spring Washers - Metric BZP

**Contents:**
M5, M6, M8, M10 and M12.

| Washer Type | Weight each | Order Code **KEN-615** |
|---|---|---|
| Square Spring | 915g | **-4240K** |

## KENNEDY Panel Clips

**Contents:**
**U-Type:** No.6, No.8, No.10, No.12 and No.14,
**J-Type:** No.6, No.8, No.10, No.12 and No.14.



| Washer Type | Average Quantity | Order Code **KEN-615** |
|---|---|---|
| Panel Clips | 300 | **-4480K** |

## KENNEDY Starlock Washers, Uncapped - Inch

**Contents:** 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4".

| Washer Type | Average Quantity | Order Code **KEN-615** |
|---|---|---|
| Starlock | 585 | **-4320K** |

## KENNEDY Mudguard Washers - Metric

**Contents:** M5, M6, M8 and M10mm.

| Type | Avg Qty | Weight each | Order Code **KEN-615** |
|---|---|---|---|
| Metric | 220 | 1.45kg | **-4270K** |

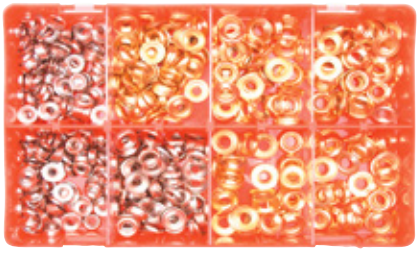
## KENNEDY Plain Copper Washers - Metric

**Contents:** M5, M6, M8, M10 and M12mm.

| Washer Type | Average Quantity | Order Code **KEN-615** |
|---|---|---|
| Copper | 300 | **-4690K** |

## KENNEDY Brass Cup Washers - Metric

**Contents:** No. 4, 6, 8, 10, 12 and 14mm.



| Washer Type | Average Quantity | Order Code **KEN-615** |
|---|---|---|
| Cup | 465 | **-4330K** |

## KENNEDY® Threading Inserts

Range includes 1xD, 1.5xD and 2xD lengths (ISO Metric threads). Our quality inserts are now supplied in packs of 10 or 50. Other sizes and lengths are available on request, please ask for further information.

**ISO Metric Threads**

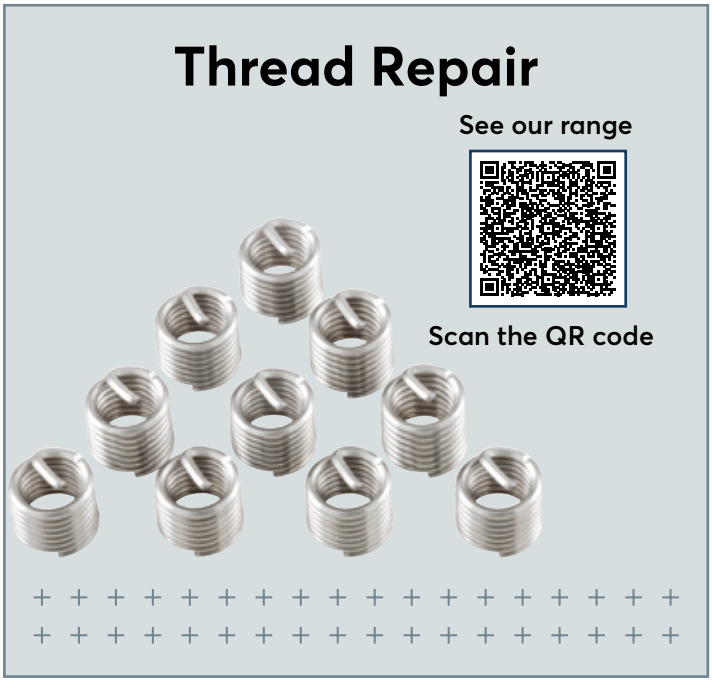
| Packs of 10 Inserts Insert Length | Packs of 50 Inserts Thread x Pitch | Clearance Drill (mm) | Order Code KEN-620 | Order Code KEN-620 |
|---|---|---|---|---|
| 1xD | M3 x 0.50 | 3.20 | -5502K | -7402K |
| | M4 x 0.70 | 4.20 | -5504K | -7404K |
| | M5 x 0.80 | 5.20 | -5505K | -7405K |
| | M6 x 1.00 | 6.20 | -5506K | -7406K |
| | M7 x 1.00 | 7.20 | -5507K | -7407K |
| | M8 x 1.00 | 8.30 | -5508K | -7408K |
| | M8 x 1.25 | 8.30 | -5509K | -7409K |
| | M10 x 1.00 | 10.25 | -5512K | -7412K |
| | M10 x 1.25 | 10.25 | -5513K | -7413K |
| | M10 x 1.50 | 12.25 | -5514K | -7414K |
| | M3 x 0.50 | 3.20 | -6010K | -7510K |
| 1.5xD | M4 x 0.70 | 4.20 | -6030K | -7530K |
| | M5 x 0.80 | 5.20 | -6050K | -7550K |
| | M6 x 1.00 | 6.20 | -6070K | -7570K |
| | M7 x 1.00 | 7.20 | -6090K | -7590K |
| | M8 x 1.00 | 8.20 | -6110K | -7610K |
| | M8 x 1.25 | 8.30 | -6120K | -7620K |
| | M10 x 1.00 | 10.25 | -6140K | -7640K |
| | M10 x 1.25 | 10.25 | -6150K | -7650K |
| | M10 x 1.50 | 10.25 | -6160K | -7660K |
| | M12 x 1.25 | 12.25 | -6180K | -7680K |
| | M12 x 1.50 | 12.25 | -6190K | -7690K |
| | M12 x 1.75 | 12.50 | -6200K | -7700K |
| | M14 x 1.25 | 14.25 | -6220K | -7720K |
| | M14 x 1.50 | 14.25 | -6230K | -7730K |
| | M14 x 2.00 | 14.50 | -6240K | -7740K |
| | M16 x 1.50 | 16.50 | -6260K | -7760K |
| | M16 x 2.00 | 16.50 | -6270K | -7770K |
| 2xD | M3 x 0.50 | 3.20 | -6302K | -7802K |
| | M4 x 0.70 | 4.20 | -6304K | -7804K |
| | M5 x 0.80 | 5.20 | -6305K | -7805K |
| | M6 x 1.00 | 6.20 | -6306K | -7806K |
| | M7 x 1.00 | 7.20 | -6307K | -7807K |
| | M8 x 1.00 | 8.20 | -6308K | -7808K |
| | M8 x 1.25 | 8.30 | -6309K | -7809K |
| | M10 x 1.00 | 10.25 | -6312K | -7812K |
| | M10 x 1.25 | 10.25 | -6313K | - |
| | M10 x 1.50 | 12.25 | -6314K | -7814K |

## KENNEDY® Thread Repair Kit - New Style

NEW

This wire insert thread repair kit is suitable for both new projects and repairs. It effectively restores stripped, worn, or damaged threads with internal threads that are stronger than most parent materials. The kit features an easy-to-use design and includes all the essential tools, including aircraft-quality stainless steel inserts. It comes in a durable box with a moulded inlay to keep the components protected during transport and storage, making it an ideal choice for engineering, automotive, repair, and OEM applications.

| Thread Form | Thread Size | Order Code KEN-621 |
|---|---|---|
| Metric | M3 x 0.50 | -1125R |
| Metric | M4 x 0.70 | -1165R |
| Metric | M5 x 0.80 | -1205R |
| Metric | M6 x 1.00 | -1245R |
| Metric | M7 x 1.00 | -1285R |
| Metric | M8 x 1.00 | -1325R |
| Metric | M8 x 1.25 | -1345R |
| Metric | M10 x 1.00 | -1405R |
| Metric | M10 x 1.25 | -1425R |
| Metric | M10 x 1.50 | -1435R |
| Metric | M12 x 1.25 | -1485R |
| Metric | M12 x 1.50 | -1495R |
| Metric | M12 x 1.75 | -1505R |



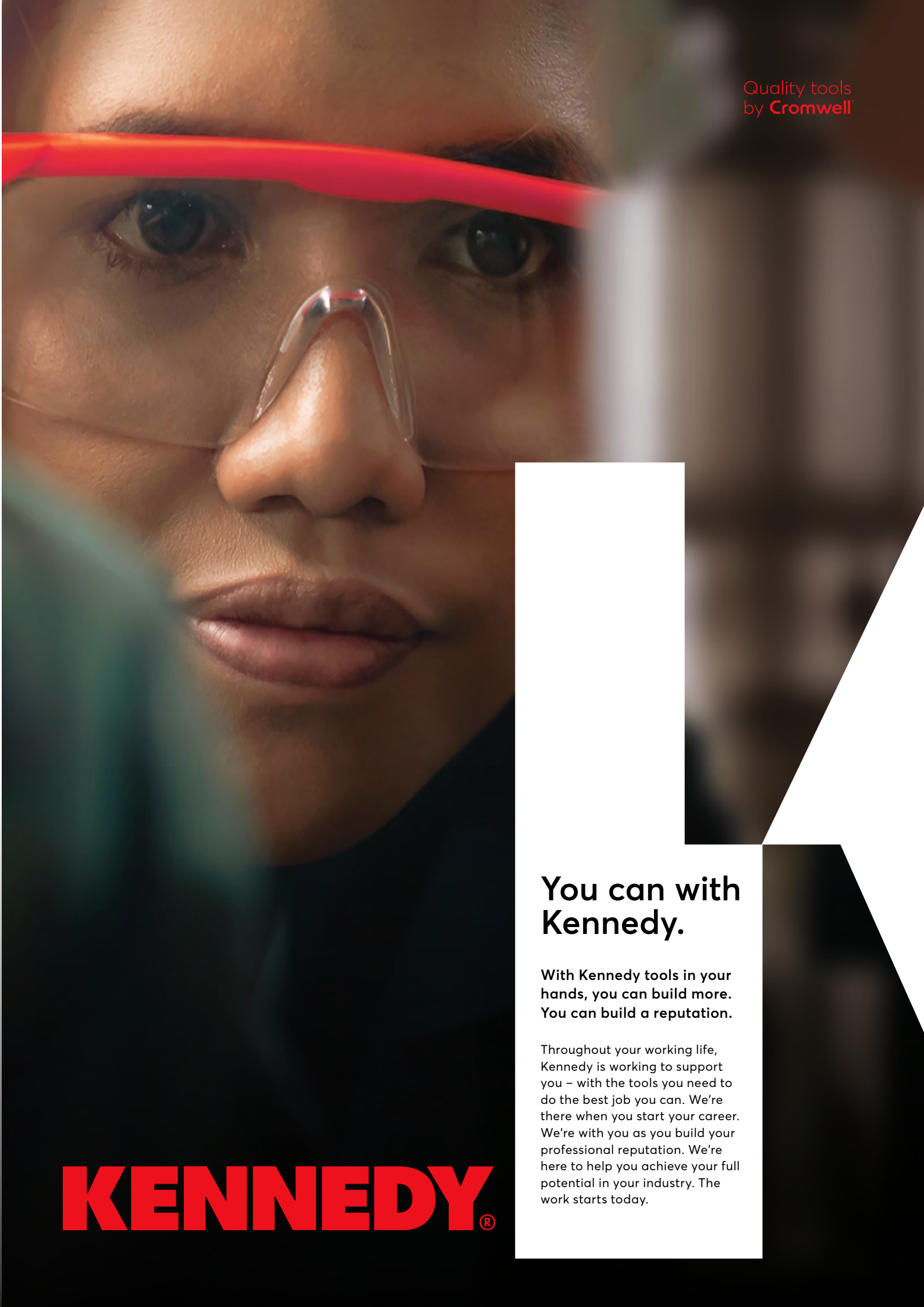
# INDUSTRIAL PINS



## QUALFAST Extractable Dowel Pins , Air Flat, Metric

- 'As produced' oiled finish (black) - Provides some shelf life but no real corrosion protection in use
- Available in a range of metric sizes to suit your needs
- Manufactured from steel for maximum durability and product longevity
- DIN 7979-D / ISO 8735A / NEN 2464

| Diameter | Length mm | Box Quantity | Order Code **QFT-650** |
|---|---|---|---|
| 5 | 12 | 100 | **-0238G** |
| 5 | 16 | 50 | **-0238K** |
| 5 | 20 | 50 | **-0238M** |
| 5 | 24 | 50 | **-0238P** |
| 5 | 28 | 50 | **-0238S** |
| 5 | 30 | 25 | **-0238T** |
| 5 | 32 | 25 | **-0238V** |
| 5 | 36 | 25 | **-0238X** |
| 5 | 40 | 25 | **-0238Y** |
| 6 | 20 | 50 | **-0239M** |
| 6 | 24 | 50 | **-0239P** |
| 6 | 28 | 50 | **-0239S** |
| 6 | 30 | 50 | **-0239T** |
| 6 | 32 | 25 | **-0239V** |
| 6 | 40 | 25 | **-0239Y** |
| 6 | 45 | 25 | **-0239Z** |
| 6 | 50 | 25 | **-0240A** |
| 6 | 60 | 25 | **-0240C** |
| 8 | 16 | 50 | **-0241K** |
| 8 | 20 | 50 | **-0241M** |
| 8 | 24 | 25 | **-0241P** |
| 8 | 28 | 25 | **-0241S** |
| 8 | 32 | 25 | **-0241V** |
| 8 | 36 | 25 | **-0241X** |
| 8 | 40 | 25 | **-0241Y** |
| 8 | 45 | 25 | **-0241Z** |
| 8 | 50 | 10 | **-0242A** |
| 8 | 60 | 10 | **-0242C** |
| 8 | 70 | 10 | **-0242E** |
| 8 | 80 | 50 | **-0242G** |
| 10 | 24 | 25 | **-0243P** |
| 10 | 28 | 25 | **-0243S** |
| 10 | 30 | 25 | **-0243T** |
| 10 | 32 | 25 | **-0243V** |
| 10 | 36 | 10 | **-0243X** |
| 10 | 40 | 10 | **-0243Y** |
| 10 | 45 | 10 | **-0243Z** |
| 10 | 50 | 10 | **-0244A** |
| 10 | 60 | 10 | **-0244C** |
| 10 | 70 | 10 | **-0244E** |
| 10 | 80 | 10 | **-0244G** |
| 10 | 100 | 10 | **-0244K** |
| 12 | 24 | 10 | **-0245P** |
| 12 | 28 | 10 | **-0245S** |
| 12 | 30 | 10 | **-0245T** |
| 12 | 32 | 10 | **-0245V** |
| 12 | 36 | 10 | **-0245X** |
| 12 | 40 | 10 | **-0245Y** |
| 12 | 45 | 10 | **-0245Z** |
| 12 | 50 | 10 | **-0246A** |
| 12 | 60 | 10 | **-0246C** |
| 12 | 70 | 10 | **-0246E** |
| 12 | 80 | 5 | **-0246G** |
| 12 | 100 | 5 | **-0246K** |
| 16 | 32 | 5 | **-0249V** |
| 16 | 40 | 5 | **-0249Y** |
| 16 | 60 | 5 | **-0250C** |
| 16 | 80 | 5 | **-0250G** |
| 16 | 100 | 5 | **-0250K** |
| 20 | 50 | 5 | **-0252A** |
| 20 | 60 | 5 | **-0252C** |
| 20 | 70 | 5 | **-0252E** |
| 20 | 80 | 5 | **-0252G** |
| 20 | 100 | 5 | **-0252K** |



Quality tools
by Cromwell

# You can with Kennedy.

**With Kennedy tools in your hands, you can build more. You can build a reputation.**

Throughout your working life, Kennedy is working to support you – with the tools you need to do the best job you can. We're there when you start your career. We're with you as you build your professional reputation. We're here to help you achieve your full potential in your industry. The work starts today.

KENNEDY®

# HOSE CLIPS & PIPE CLIPS

## MATLOCK Zinc-Plated Hose Clips BZP

Non-slip worm drive. Precision manufactured from the finest steel to **DIN 3017**. Passivated zinc finish to give double protection. For automotive, gas, plumbing and agricultural applications.

ZINC-PLATED

| Size | Capacity | Order Code MTL-662 |
|---|---|---|
| 0 | 8-16 | -5050K |
| M00 | 10-16 | -5070K |
| 00 | 12-20 | -5090K |
| 0 | 12-22 | -5110K |
| 0X | 16-27 | -5130K |
| A | 20-32 | -5150K |
| 1 | 23-35 | -5160K |
| 1X | 25-40 | -5170K |
| 2A | 32-50 | -5190K |
| 2 | 40-55 | -5210K |
| 2X | 40-60 | -5230K |
| 3 | 50-70 | -5250K |
| 3X | 60-80 | -5270K |
| 4 | 70-90 | -5290K |
| 4X | 80-100 | -5310K |
| 5 | 90-110 | -5330K |
| 6 | 110-120 | -5350K |
| 6X | 120-140 | -5370K |

## MATLOCK Zinc-Plated Hose Clip Sets

50 piece set contains sizes 000 to size 2X. (8mm to 60mm dia.). 4 x 000 - quantities as below.

**100 piece set contains double these quantities.**

| | | | |
|---|---|---|---|
| 4 x OOO<br>4 x MOO<br>6 x OO<br>4 x O | 3 x OX<br>3 x 1A<br>5 x 1<br>3 x 1X<br>2 x 2A<br>3 x 2 | 2 x 2X<br>2 x 3<br>1 x 3X<br>2 x 4<br>1 x 4X | 1 x 5<br>1 x 6<br>1 x 6X<br>1 x 7<br>1 x 8 |

ZINC-PLATED

| Number of Pieces | Weight each | Order Code MTL-662 |
|---|---|---|
| 50 | 1.50Kg | -5950K |
| 100 | 3.00Kg | -5990K |

## MATLOCK Stainless Steel Hose Clips

Clamps incorporate rolled band edges that won't cut hose, stamped threads for uniform tensioning and one-piece stamped worm housing for superior strength. Precision manufactured from the finest steel to **DIN 3017.**

STAINLESS STEEL

| Size | Capacity (mm) | Order Code MTL-662 |
|---|---|---|
| 000 | 8-12 | -4050K |
| M00 | 10-16 | -4070K |
| 00 | 12-20 | -4090K |
| 0 | 12-22 | -4110K |
| 0X | 16-27 | -4130K |
| 1A | 30-32 | -4150K |
| 1 | 23-35 | -4160K |
| 1X | 25-40 | -4170K |
| 2A | 32-50 | -4190K |
| 2 | 40-55 | -4210K |
| 2X | 40-60 | -4230K |

## MATLOCK Stainless Steel Hose Clip Set

Contains sizes 000 to size 2X. (8mm to 60mm dia.).

STAINLESS STEEL

| | | | |
|---|---|---|---|
| 4 x OOO<br>4 x MOO<br>8 x OO | 6 x O<br>5 x OX<br>4 x 1A | 5 x 1<br>4 x 1X | 3 x 2A<br>3 x 2X |

| Number of Pieces | Weight each | Order Code MTL-662 |
|---|---|---|
| 50 | 700g | -5960K |

## MATLOCK Hose Clip Service Set

Manufactured from zinc-plated mild steel. Supplied in service case with Flex-Driver.

30 x 000
30 x M00
25 x 0
25 x 0X
12 x1A
12 x 1X
6 x 2A

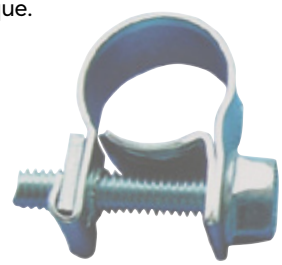
| Number of Pieces | Order Code MTL-662 |
|---|---|
| 140 | -6000K |

## MATLOCK Nut & Bolt Clips

**'Junior' Style**

Mild zinc protected nut and bolt clips. Ideal for use on petrol pipes and small bore hoses. 7mm A/F screw, 1.2Nm maximum tightening torque.

ZINC-PLATED



| Size | Capacity (mm) | Order Code MTL-662 |
|---|---|---|
| J09 | 7-9 | -8060K |
| J10 | 8-10 | -8070K |
| J11 | 9-11 | -8080K |
| J12 | 10-12 | -8090K |
| J14 | 12-14 | -8110K |
| J15 | 13-15 | -8120K |
| J16 | 14-16 | -8130K |

## MATLOCK Nut & Bolt Clips Sets

Assorted clip sets.
**Capacity:**
7 to 20mm.

| Number of Pieces | Order Code MTL-662 |
|---|---|
| 160 | -8190K |

## MATLOCK Nut & Bolt Clips

**'Junior' Style**

Ideal for use on petrol pipes and small bore hoses. 7mm A/F screw, 1.2Nm maximum tightening torque.

ZINC-PLATED

**Nut & Bolt Clips Sets**

Assorted clip sets.
**Capacity:**
7 to 20mm.

| Size | Capacity (mm) | Order Code MTL-662 |
|---|---|---|
| J13 | 11-13 | -8100K |
| J17 | 15-17 | -8140K |
| J18 | 16-18 | -8150K |
| Number of Pieces | | |
| 65 | | -8180K |

# HOSE CLIPS & PIPE CLIPS



## MATLOCK O-Clips

Manufactured from zinc-plated mild steel. Medium pressure clamp, widely used for maintenance and OEM applications. Rubber hose, plastic tubing, coaxial and electrical cable are easily clamped. Suitable for use on air, fluid, gas and steam lines also low pressure hydraulics applications. One-piece design offers a positive, tamperproof seal without damage to the hose, assure adequate closure and compensate for tolerance variations in hose sizes.

**Pack quantity:** 100.

**N.B. Gas hoses should only be assembled by professionally qualified fitters**

| Size | Capacity (mm) | Order Code MTL-662 |
|---|---|---|
| | **Double Ear Style** | |
| 9T | 7 - 9 | **-7060K** |
| 11T | 8 - 11 | **-7070K** |
| 13T | 11 - 13 | **-7090K** |
| 15T | 13 - 15 | **-7100K** |
| 18T | 15 - 18 | **-7120K** |
| 20T | 17 - 20 | **-7140K** |
| 23T | 20 - 23 | **-7160K** |
| | **Single Ear Style** | |
| 9S | 7 - 9 | **-6920K** |
| 10S | 8 -10 | **-6930K** |
| 11S | 9 - 11 | **-6940K** |
| 12S | 10 - 12 | **-6950K** |
| 13S | 11 - 13 | **-6960K** |
| 14S | 12 - 14 | **-6970K** |
| 16S | 14 - 16 | **-6980K** |
| 18S | 16 - 18 | **-6990K** |

## MATLOCK Welding Hose Clip Sets

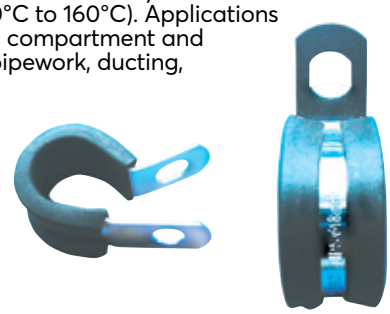
Manufactured from zinc-plated mild steel.
**75 Piece Double Ear O-Clip Assorted Set**
**Size range:**
9T to 18T

**165 Piece Double Ear O-Clip & Pincer Kit**
**Size range:**
13T to 20T

| Number of Pieces | Order Code MTL-662 |
|---|---|
| 75 | **-7200K** |
| 165 | **-7210K** |

## MATLOCK Rubber-Lined P-Clips

All clips lined in EPM rubber which is fully resilient to oils and extreme temperatures (-50°C to 160°C). Applications include automotive engine compartment and chassis, electrical cables, pipework, ducting, refrigeration and machine installations.



| Capacity (mm) | Order Code MTL-662 |
|---|---|
| **Mild Steel - Zinc-Plated** | |
| 4 | **-8520K** |
| 5 | **-8530K** |
| 6 | **-8540K** |
| 8 | **-8550K** |
| 10 | **-8560K** |
| 13 | **-8570K** |
| 16 | **-8580K** |
| 19 | **-8590K** |
| 21 | **-8600K** |
| 22 | **-8610K** |
| 25 | **-8620K** |
| 27 | **-8630K** |
| 30 | **-8640K** |
| 32 | **-8650K** |
| 35 | **-8660K** |
| 38 | **-8670K** |
| 40 | **-8680K** |

## SENATOR QUALITY TOOLING Hose Clip Assortment Kit

Supplied in a transparent plastic box.

**Contents:**
12.7mm - 5
16mm - 7
19mm - 10
22mm - 4
25mm - 3
27mm - 3
35mm - 4
38mm - 4

| Number of Pieces | Order Code SEN-615 |
|---|---|
| 40 | **-2200K** |

## Hose Clips

See our range

Scan the QR code

# HOSE CLIPS & PIPE CLIPS



## MATLOCK Terry Type Spring Clips BZP

High quality spring steel clips with bright zinc plated finish (BZP).
Ideal for securing tools, pipes etc.

**Pack quantity:** 100.

GALVANIZED

### Open Type

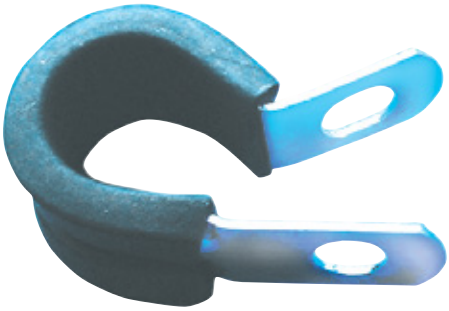
| Size | Capacity (mm) | Order Code MTL-662 |
|---|---|---|
| | **Open Type** | |
| T1 | 6 | **-1000K** |
| T2 | 10 | **-1010K** |
| T3 | 12 | **-1020K** |
| T4 | 16 | **-1030K** |
| T5 | 20 | **-1040K** |
| T6 | 25 | **-1050K** |
| T7 | 32 | **-1060K** |
| T8 | 38 | **-1070K** |
| T9 | 50 | **-1080K** |
| | **Closed Type** | |
| C1 | 6 | **-2100K** |
| C2 | 10 | **-2110K** |
| C3 | 12 | **-2120K** |
| C4 | 16 | **-2130K** |
| C5 | 20 | **-2140K** |
| C6 | 25 | **-2150K** |
| C7 | 32 | **-2160K** |
| C8 | 38 | **-2170K** |
| C9 | 50 | **-2180K** |

| Type | No. of Pieces | Order Code MTL-662 |
|---|---|---|
| Open | 160 | **-1180K** |
| Closed | 124 | **-2280K** |

## MATLOCK Rubber-Lined P-Clips

All clips lined in EPM rubber which is fully resilient to oils and extreme temperatures (-50°C to 160°C). Applications include automotive engine compartment and chassis, electrical cables, pipework, ducting, refrigeration and machine installations.

P-Clip with EPDM liner.
- Band width: 12.7mm
- Band width (with rubber line): 16mm
- A4 Stainless Steel Grade 316
- Accepts M6 bolt
- Fully resilient to oils and extreme temperatures (-50 to 160C)
- Suitable for automotive engine compartment and chassis, electrical cables, pipework, ducting, refrigeration and machine installations



| Capacity (mm) | Order Code MTL-662 |
|---|---|
| **Stainless Steel** | |
| 5 | **-8830K** |
| 6 | **-8840K** |
| 8 | **-8850K** |
| 10 | **-8860K** |
| 13 | **-8870K** |
| 16 | **-8880K** |
| 18 | **-8890K** |
| 20 | **-8900K** |
| 21 | **-8910K** |
| 22 | **-8920K** |
| 25 | **-8930K** |
| 28 | **-8940K** |
| 30 | **-8950K** |
| 32 | **-8960K** |
| 34 | **-8970K** |
| 38 | **-8980K** |
| 40 | **-8990K** |

## MATLOCK Heavy Duty Bolt Clamps

**'Super' Style**

Heavy duty bolt clamps to DIN 3017 are specifically designed to give extremely high band tension for sealing pressure/suction lines with either steel or plastic reinforcement and high shore hardness. Reinforced loops withstand significantly higher torques and the mechanically locked closure has no welding points and therefore no contact corrosion. Bridge gives optimal hose protection and the robust band with rounded edges for protection against injuries and/or damage to the hose surface.
W2 material. Band grade 430 stainless steel. Housing/ bolt 8.8 grade BZP.

| Rozmiar | Zakres (mm) | Order Code MTL-662 |
|---|---|---|
| S19 | 17-19 | -9010K |
| S22 | 21-23 | -9020K |
| S25 | 23-25 | -9030K |
| S28 | 26-28 | -9040K |
| S31 | 29-31 | -9050K |
| - | 30-33 | -9060K |
| S39 | 36-39 | -9070K |
| S43 | 40-43 | -9080K |
| S47 | 44-47 | -9090K |
| S51 | 48-51 | -9100K |
| S55 | 52-55 | -9110K |
| S59 | 56-59 | -9120K |
| S63 | 60-63 | -9130K |
| S68 | 64-67 | -9140K |
| S73 | 68-73 | -9150K |
| S79 | 74-79 | -9160K |
| S85 | 80-85 | -9170K |
| S91 | 86-91 | -9180K |
| - | 92-97 | -9190K |
| S104 | 98-103 | -9200K |
| S112 | 104-112 | -9210K |
| S121 | 113-121 | -9220K |
| S130 | 122-130 | -9230K |
| S140 | 131-139 | -9240K |
| S150 | 140-148 | -9250K |
| S162 | 149-161 | -9260K |
| S200 | 188-200 | -9290K |
| S213 | 201-213 | -9300K |
| S226 | 214-226 | -9310K |

## MATLOCK Hose Clip Flex-Driver

Bends through 90° to reach otherwise inaccessible clips. High impact Hi-grip handle. Drive shaft has 1/4" hex drive fitted with 7mm (single hex) removable adaptor. Also features swivel collar at drive end.

| Length (mm) | Weight each | Order Code MTL-662 |
|---|---|---|
| 280 | 160g | -9990K |

# Miscellaneous

Keeping Industry Working™

Product Groups

**282 - 992**

# Contents


| Description | Group | Page |
|---|---|---|
| **ADHESIVES & SEALANTS** | | |
| Bonding Tapes | 980 | **637-639** |
| Cartridge Applicators Guns | 715 | **555** |
| Industrial Tapes | 981 | **641** |
| Masking Tapes | 980 | **637** |
| Message Tapes | 980/983 | **640** |
| **CLEANING & HYGIENE** | | |
| Bleach & Disinfectant | 780 | **573** |
| Hand Wipes & Cloths | 930 | **597, 599-600** |
| Sacks | 918 | **598** |
| Soap Dispenser & Hand Care | 780 | **574** |
| Multi-Purpose Tools | 907 | **592, 595** |
| Wooden Brushware | 907 | **593-594** |
| **LUBRICANTS & CHEMICALS** | | |
| Line & Paint Markers | 734 | **556** |
| Permanent Markers | 734 | **556** |
| **OFFICE SUPPLIES & PACKAGING** | | |
| Furniture & Packaging | 811 | **575** |
| Packaging | 981 | **579, 642** |
| Adhesive Tapes | 981 | **642** |
| Packaging Materials | 979 | **580-582** |
| Protective Sleeving | 956 | **632** |
| Safes | 820 | **578** |

| Description | Group | Page |
|---|---|---|
| **SITE MAINTENANCE** | | |
| Anti-Fatigue / Anti-Slip Matting | 946 | **613-315** |
| Anti-Slip Floor Threads | 964 | **633** |
| Architectural Hardware | 950 | **618-621** |
| Castors | 945 | **603-612** |
| Entrance Matting | 946 | **617** |
| Hand Wire Brushes | 906 | **591** |
| Hazard Tapes | 964 | **633** |
| Ladders & Access Equipment | 939 | **601** |
| Lockout & Tagout Systems | 950 | **628-631** |
| Mechanical Lifting | 941 | **602** |
| Oil & Chemical Storage | 741 | **558-559** |
| Padlocks | 950 | **622-625** |
| Padlock Stations | 950 | **626** |
| Site Lights | 282 | **554** |
| Spill Control | 742 | **561-568, 570-572** |
| Waste Management | 741 | **561** |
| Torches | 904 | **589-590** |
| Traffic Management | 992 | **646-647** |
| **STORAGE & HANDLING** | | |
| Trolleys | 985 | **643** |
| Handling | 985 | **644-645** |
| **WELDING** | | |
| Arc Welder Accessories & Spares | 885 | **585, 587-588** |
| Gas Welding & Cutting | 884 | **584** |
| TIG Welder Accessories & Spares | 885 | **586** |

## Lubricants & Chemicals

Discover our premium range of lubricants and chemicals. Whether you need high-performance engine oils, multipurpose greases, or specialty chemicals like cleaning agents and rust inhibitors, our products are designed to meet the demanding needs of various industries.

## Cleaning & Hygiene

Elevate your cleaning routine with our comprehensive range of janitorial and hygiene products. From powerful disinfectants and eco-friendly cleaners to durable cleaning tools and personal protective equipment, we provide everything you need to maintain pristine spaces.

## Office Supplies & Packaging

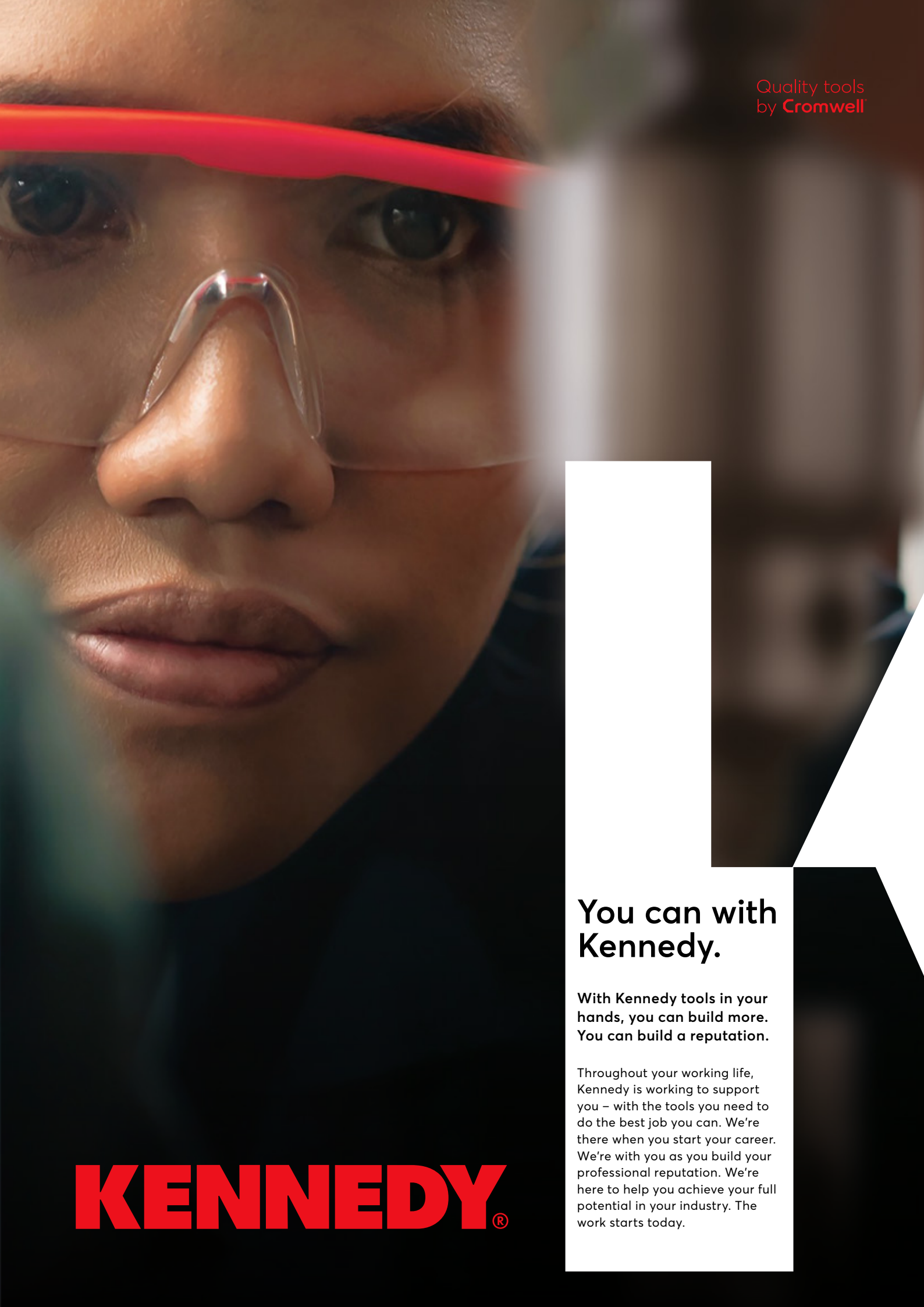
Streamline your workspace with our extensive selection of office supplies and packaging solutions. Our high-quality supplies are designed to meet the demands of any office environment, ensuring you stay organised and efficient. With a focus on durability and functionality, our packaging options offer versatility for all your shipping and storage needs.

## Welding

Welding machines to durable electrodes and protective gear, we provide everything you need to achieve exceptional results in any welding application. Our extensive range includes MIG, TIG, and stick welding supplies. With a focus on quality and innovation, our products ensure strong, reliable welds every time.

## Site Maintenance

Our durable products are designed to withstand the rigors of any environment, ensuring reliability and longevity. Whether you're managing landscaping, construction, or facility upkeep, our selection helps you tackle every challenge with ease. Prioritize safety and productivity on your site



Quality tools
by Cromwell®

# You can with Kennedy.

**With Kennedy tools in your hands, you can build more. You can build a reputation.**

Throughout your working life, Kennedy is working to support you – with the tools you need to do the best job you can. We're there when you start your career. We're with you as you build your professional reputation. We're here to help you achieve your full potential in your industry. The work starts today.

KENNEDY®

# SITE LIGHTS



## KOBE COB LED Telescopic Worklights

Featuring eco-friendly COB LED with low consumption.
- 20W COB LED (200W halogen)
- 1400 Lumens
- Beam: 120°
- Cable Length: 1.5m
- Supplied with folding tripod
- IP65

| Volts V | Type | Order Code KBE-282 |
|---|---|---|
| 240 | Single | **-5400K** |
| 240 | Twin | **-5420K** |

## KOBE Rechargeable COB LED Floodlight

Featuring aluminium die-cast alloy body with stainless steel external fixings and toughened glass.
- 10W COB LED (=100W halogen)
- 12V-240V
- 700 Lumens
- Beam: 120°
- Max. charging time: 5hrs
- Dimensions (H x W x D): 250 x 145 x 165mm
- Supplied with: main charger, in-car charger, 4x international plug adaptor and stand
- IP65

| Wattage W | Lumens lm | Order Code KBE-282 |
|---|---|---|
| 100 | 700 | **-5500K** |


# THE ULTIMATE AIR GRINDER FOR EVERY SPACE

Elevate your work with Kobe's ultra-compact air grinder.
Designed for precision and power in tight spaces.

Ideal for grinding, polishing, and deburring, this versatile tool ensures flawless results every time. Choose Kobe for unmatched performance and redefine your standards.

**Power. Precision. Perfection.**

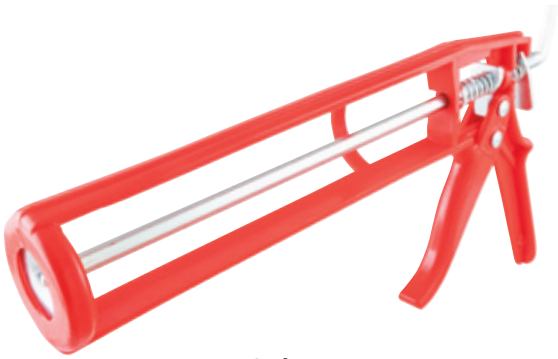
KOBE™

# CARTRIDGE APPLICATOR GUNS & 'O' RINGS



## KENNEDY® Sealant Cartridge Applicator Guns

**Economy Plastic Gun - C3**
Robust, easy to use. Smooth action.



**Colour may vary**

| Type | Cartridge (max size) | Order Code KEN-715 |
|---|---|---|
| C3 | 310ml | **-1200K** |

## KENNEDY® Professional Metal Guns

Extremely robust and ideal for continuous use. Will not twist under pressure. Smooth action for optimum application of sealant.

**Colour may vary**

| Type | Cartridge (max size) | Order Code KEN-715 |
|---|---|---|
| C3 | 310ml | **-1000K** |
| C4 | 400ml | **-2000K** |

## KENNEDY® Ergonomic Sealant Applicator Gun

**Heavy Duty Metal Gun - C3**
Extremely robust and ideal for continuous use. Will not twist under pressure, ergonomically designed to reduce operator fatigue. Smooth action for optimum application of sealant.

**Colour may vary**

| Type | Cartridge (max size) | Order Code KEN-715 |
|---|---|---|
| C3 | 310ml | **-1400K** |


SENATOR® QUALITY TOOLING

**Built to Perform. Designed to Last.**

**Engineered to excel and crafted to endure, tool after tool. Includes an extensive range of products from Tool Kits and Socket Sets to Hammers and Tool Chests.**

# PERMANENT MARKERS / LINE & PAINT MARKERS



## KENNEDY Industrial Paint Markers

- For use in multiple marking applications
- Can be used on a variety of metals including greasy and rusted surfaces
- Suitable for use on plastic, glass, ceramics and wood
- Ballpoint roller nozzle prevents ink being spilled from the cap
- Refillable via bulk refills
- Size: 46ml

| Colour | Order Code KEN-734 |
|---|---|
| Yellow | -3020K |
| White | -3040K |
| Blue | -3060K |
| Green | -3080K |
| Black | -3100K |
| Red | -3120K |
| Orange | -3140K |

**Kennedy Paint Marker Head Tips**

| Ball Size mm | Order Code KEN-734 |
|---|---|
| 2.4 | -3500K |

## KENNEDY Permanent Markers

Designed for use on all surfaces. Waterproof, low solvent content. Xylene-free.

PACK OF 10

| Colour | Order Code KEN-734 |
|---|---|
| Black | -5020K |
| Blue | -5060K |
| Red | -5040K |
| Green | -5070K |

## STUARTS Micrometer Engineers Marking Paste

Oil abased and non-abrasive Stuarts Micrometer Engineers Marking Paste is easily spreadable marking paste containing a high concentration of Prussian Kék (or Piros) for indicating high spots on machine bearings, machine tool beds etc. Easily removable with methylated spirit.

| Colour | Pack Size | Order Code MIR-734 |
|---|---|---|
| Blue | 32g Tube | -8810B |
| Blue | 38g Tin | -8800A |

## KENNEDY Ink Refill Cans for Industrial Paint Markers

- For use in multiple marking applications
- Can be used on a variety of metals including greasy and rusted surfaces
- Suitable for use on plastic, glass, ceramics and wood

**Size:** 1ltr

| Colour | Order Code KEN-734 |
|---|---|
| Yellow | -3210K |
| White | -3230K |

## KENNEDY Line Marking Gun

Manufactured from reinforced nylon.
For offering trigger action to line marking spray cans, giving improved comfort during prolonged use.

| Container Size | Order Code KEN-715 |
|---|---|
| 500ml | -6200K |

# From start to finish

## Your No. 1 choice for chemical and lubricant supplies

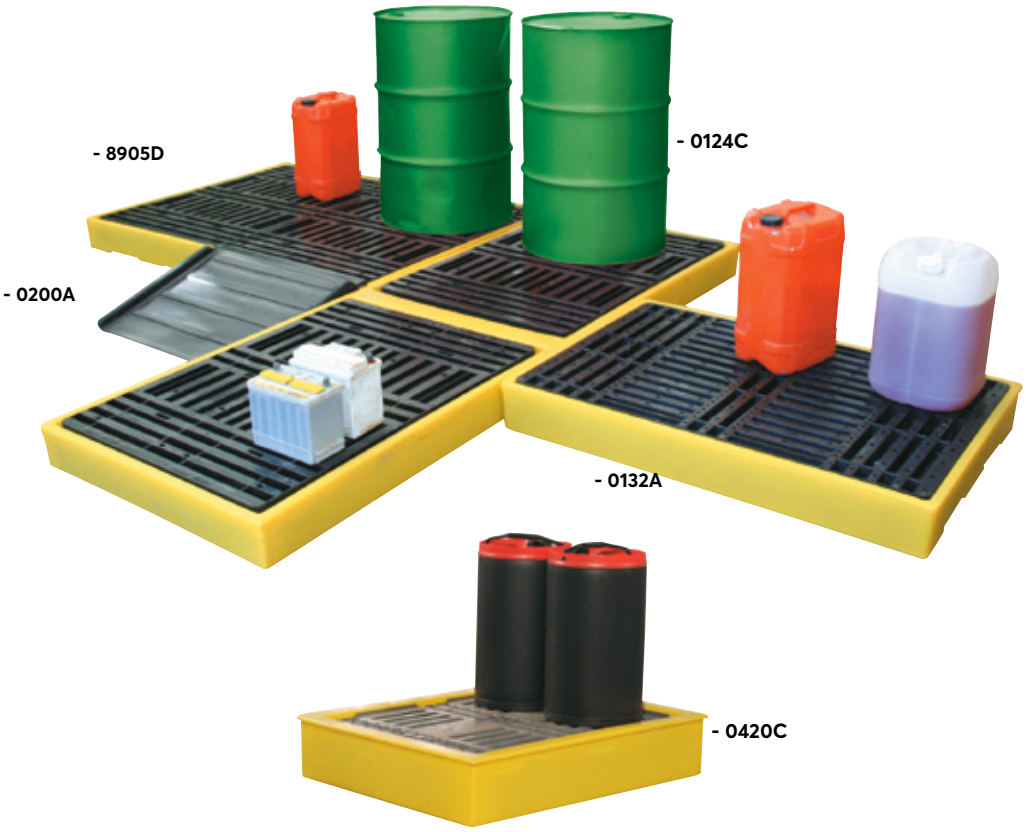
Discover our comprehensive range of chemicals and lubricants – all backed with expert knowledge and support.

**Visit our website to find out more**

Keeping Industry Working™

## SOLENT SPILL CONTROL PLUS Workfloors & Bunds

Our bunded flooring range is the flexible decking solution for creating liquid handling workstations & storage areas to fit your working environment. Each individual unit is compliant with current oil storage regulatory requirements.




| Description | Dimensions | Sump | UDL | Weight each | Order Code SOL-741 |
|---|---|---|---|---|---|
| Workfloor Ramp | 65 x 80 x 16cm | - | 1000kg | 8.0kg | **-0200A** |
| 4 Drum In Line Spill Pallet | 261 x 89.5 x 15cm | 300ltr | 2000kg | 42.0kg | **-0124C** |
| 2 Drum Workfloor Pallet | 126 x 86 x 15cm | 130ltr | 1000kg | 20.0kg | **-0132A** |
| 4 25ltr Container Bund | 92 x 72 x 17.5cm | 100ltr | 200kg | 15.0kg | **-0420C** |

| Description | Dimensions | Sump | UDL | Weight each | Order Code SOL-742 |
|---|---|---|---|---|---|
| 4 Drum Workfloor Pallet | 166 x 126 x 15cm | 300ltr | 2000kg | 38.0kg | **-8905D** |

## SOLENT SPILL CONTROL PLUS Spill Pallets

Heavy duty rotational moulded IBC spill pallets for single or double IBC storage applications. 100% polyethylene construction, corrosion resistant and with removable decking to assist cleaning they are suitable for most IBC footprints. Forklift pockets for ease of positioning and moving empty units.

**Two Drum Spill Pallet**

**-0082A**

**Four Drum Spill Pallet**

**-0084C**

| Description | Dimensions | Size | Capacity | Weight | Order Code SOL-741 |
|---|---|---|---|---|---|
| 2 Drum Spill Pallet | 122 x 82 x 33cm | 240ltr | 650kg | 23.0kg | **-0082A** |
| 4 Drum Spill Pallet | 128 x 128 x 27.5cm | 230ltr | 1250kg | 29.0kg | **-0084C** |

Our extensive IBC spill containment range is specifically designed to meet the growing IBC end user market. Made from 100% corrosion free polyethylene these strong units are EC and UK compliant.

## Poly Storage Cabinets

Poly storage cabinets with locks and shelves

**100 Ltr -0040C**

**70ltr -0035B**

| Description | Dimensions | Sump | Weight | Order Code SOL-741 |
|---|---|---|---|---|
| 70ltr Poly Storage Cabinet | 65 x 57 x 165cm | 70ltr | 1.10kg | **-0035B** |
| 100ltr Poly Storage Cabinet | 72 x 92 x 152cm | 100ltr | 1.10kg | **-0040C** |

**Our extensive IBC spill containment range is specifically designed to meet the growing IBC end user market. Made from 100% corrosion free polyethylene these strong units are EC and UK compliant..**

## Poly Storage Cabinets

- Poly storage cabinets with locks and shelves

| Description | Dimensions | Capacity | Weight | Order Code SOL-741 |
|---|---|---|---|---|
| 30litr Poly Storage Cabinet | 53 x 42 x 99cm | 30ltr | 15.0kg | **-0030A** |

# From start to finish

## Your No. 1 choice for abrasive supplies

A comprehensive range of abrasive products – all backed with expert knowledge and support.

Visit our website to find out more

Keeping Industry Working™

## Blue Hazardous Waste Bags

Hazardous waste bags are suitable for safe disposal of absorbents that have been used. Bags contain a designated area for description of hazardous contents. The ties are used to contain all the hazardous waste inside the bag.

| Pack Qty | Order Code SOL-741 |
|---|---|
| 50 | -7408L |
| 100 | -7408N |

## Spill Barrier

This barrier can provide an easy and quick containment for leaked fluid. Made from non-absorbent polyurethane, this barrier is quick to install and has a sticky bottom edge. Washable and resistant to oils and most chemicals.

| Size (cm x m) | Order Code SOL-741 |
|---|---|
| 6 x 3 | -1705F |

## Spill Trays

These grated drip or spill trays contain spills. Should leakage occur, the liquid will be contained within the tray for easy disposal

**20ltr Spill Tray without Grating -0950A**

**20ltr Spill Tray -0800A**

**40ltr Spill Tray -0804E**

| Description | Dimensions | Sump | UDL | Weight | Order Code SOL-741 |
|---|---|---|---|---|---|
| 20ltr Spill Tray with Grate | 59.5cm x 39.5cm x 17cm | 22ltr | 55kg | 3.5kg | -0800A |
| 20ltr Spill Tray without Grating | 59.5cm x 39.5cm x 17cm | 22ltr | - | 2.0kg | -0950A |
| 40ltr Spill Tray with Grate | 80.0cm x 60.5cm x 17cm | 43ltr | 105kg | 7.0kg | -0804E |
| 60ltr Spill Tray with Grate | 100.0cm x 60.5cm x 20cm | 63ltr | 205kg | 10.0kg | -0806G |

# SPILL CONTROL



## SOLENT SPILL CONTROL Sustainable Absorbents

S

### M Maintenance

Maintenance Sustainable absorbents are great for dealing with both oil and water as well as transmission fluid, hydraulic fluid, coolants, diesel fuel and many other fluids.

#### Pads

- Tested to **BS 7959-2:2000**

| Size (cm) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 50 x 40 | 100 | 120ltr | **-2805G** |

#### Rolls

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Absorption | Order Code SOL-742 |
|---|---|---|
| 37 x 40 | 130ltr | **-2800A** |

#### Socks

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 7.5 x 1.2 | 20 | 100ltr | **-2810R** |

### O Oil-Only

Oil-Only Sustainable absorbents are great for dealing with oil as well as transmission fluid, hydraulic fluid, coolants, diesel fuel and many other fluids, but not water.

#### Pads

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 50 x 40 | 100 | 120ltr | **-2835G** |

#### Rolls

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Absorption | Order Code SOL-742 |
|---|---|---|
| 37 x 40 | 115ltr | **-2830A** |

#### Socks

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 7.5 x 1.2 | 20 | 80ltr | **-2840L** |

## Drain Protection

### Drain Cover - Neoprene

This neoprene drain mat offers effective drain protection, is lightweight, easy to use and has good chemical resistance.

| Size (m) | Order Code SOL-742 |
|---|---|
| 1 x 1 | -3250A |

### Drain Cover Carry Bag - Polyurethane

Polyurethane Drain Cover in a vinyl weather resistant bag.
**Contents:**
1x Polyurethane drain cover
1x Drum plug compound mix to help seal the edges of the mat.

| Size (cm) | Order Code SOL-742 |
|---|---|
| 61 x 61 | -3275X |
| 91 x 91 | -3280R |

### Drain Cover - Polyurethane

Re-usable polyurethane (PU) drain cover, resistant to most corrosive liquids, fuels,solvents and oils.
Suitable for temperatures between -40°C to 150°C.

| Size (cm) | Order Code SOL-742 |
|---|---|
| 46 x 46 | -3260K |
| 61 x 61 | -3265T |

## Find us online

Navigating our website is made simple and easy to use. Optimised search and comparison for quick product selection.

Check product availability with ease. Once you've found your desired item, just click on it to see if it's in stock. Our real-time updates will let you know instantly if it's available for purchase.

Stay informed on pricing. List price shown making it easy for you to make purchasing decision.

Access detailed product information. For those who crave more knowledge, we provide comprehensive descriptions and downloadable technical documents to give you all the information you need to make an informed decision.

# SPILL CONTROL



## Oil-Only Absorbents

Many situations require a permanent supply of absorbents to be on hand. Solent Plus™ spill kits are a cost-effective answer to this requirement. Oil-Only Spill Kits range in capacity from 10ltr up to 1,000ltr. They are packed with sufficient absorbents to cope with a spill up to the size shown.

### Absorbent Pads

- Tested to **BS 7959-2:2000**



| Size (cm) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 50 x 40 | 50 | 40ltr | -1960K |
| 50 x 40 | 100 | 80ltr | -1965P |
| 50 x 40 | 200 | 100ltr | -1670R |

### PVC Backed Pads

- Tested to **BS 7959-2:2000**

| Size (cm) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 50 x 40 | 100 | 80ltr | -1950A |

### Pillows

- Tested to **BS 7959-2:2000**

| Size (cm) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 38 x 23 | 16 | 64ltr | -1825A |

### Absorbent Rolls

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Absorption | Order Code SOL-742 |
|---|---|---|
| 38 x 40 | 60ltr | -1910B |
| 50 x 40 | 80ltr | -1955F |
| 80 x 40 | 126ltr | -1675Z |

### Socks

Polypropylene with polypropylene sleeve.

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 7.5 x 1.2 | 20 | 100ltr | -1800A |
| 7.5 x 3 | 8 | 100ltr | -1805F |

### Booms

A secured rope runs along one side to prevent twisting, can be easily connected together to form a longer protective barrier with rustproof end rings.

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 13 x 3 | 4 | 120ltr 320ltr | -1840A |
| 20 x 3 | 4 | 320ltr | -1845F |

### Eco Slot Box

Perforated Sheets on a roll

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Absorption | Order Code SOL-742 |
|---|---|---|
| 38 x 22 | 44ltr | -1920C |

### Heavy Duty Oil-Only Absorbents

Absorbent pads and rolls, ideal for large spill

### Extra Pads

- Tested to **BS 7959-2:2000**



| Size (cm) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 50 x 40 | 100 | 120ltr | -1870A |

### Extra Rolls

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Absorption | Order Code SOL-742 |
|---|---|---|
| 50 x 40 | 120ltr | -1875G |

## SOLENT PLUS SPILL CONTROL Chemical Absorbents

C

Many situations require a permanent supply of absorbents to be on hand. Solent Plus™ spill kits are a cost-effective answer to this requirement. Chemical Spill Kits range in capacity from 10ltr up to 1,000ltr. They are packed with sufficient absorbents to cope with a spill up to the size shown.

## Absorbent Pads

• Tested to **BS 7959-2:2000**

| Size (cm) | Pack Qty | Pack Absorption | Order Code **SOL-742** |
|---|---|---|---|
| 50 x 40 | 50 | 40ltr | **-2290K** |
| 50 x 40 | 100 | 80ltr | **-2280A** |
| 50 x 40 | 200 | 160ltr | **-2285G** |

## Absorbent Rolls

• Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Absorption | Order Code **SOL-742** |
|---|---|---|
| 50 x 40 | 80ltr | **-2295R** |
| 80 x 40 | 126ltr | **-2298T** |

## Pillows

• Tested to **BS 7959-2:2000**

| Size (cm) | Pack Qty | Pack Absorption | Order Code **SOL-742** |
|---|---|---|---|
| 38 x 23 | 16 | 64ltr | **-2350A** |

## Socks

Polypropylene with polypropylene sleeve

• Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Qty | Pack Absorption | Order Code **SOL-742** |
|---|---|---|---|
| 7.5 x 1.2 | 20 | 100ltr | **-2320A** |
| 7.5 x 3 | 8 | 100ltr | **-2325G** |

## Heavy Duty Extra Pads

• Tested to **BS 7959-2:2000**

| Size (cm) | Pack Qty | Pack Absorption | Order Code **SOL-742** |
|---|---|---|---|
| 50 x 40 | 100 | 120ltr | **-2400A** |

## Heavy Duty Extra Rolls

• Tested to **BS 7959-2:2000**

| Size (cm) | Pack Absorption | Order Code **SOL-742** |
|---|---|---|
| 50 x 40 | 120ltr | **-2405G** |

# SPILL CONTROL

## Spill Kits - Oil-Only

O

Many situations require a permanent supply of absorbents to be on hand. Solent Plus™ spill kits are a cost-effective answer to this requirement. Oil-Only Spill Kits range in capacity from 10ltr up to 1,000ltr. They are packed with sufficient absorbents to cope with a spill up to the size shown.

### 10ltr Kit - Holdall

10 Ltr

**Kit contains:**
- 10 x Absorbent pads
- 1 x Absorbent 1.2m sock
- 1 x 1kg Putty Seal pre-mixed drum plug mix
- 2 x Hazardous waste disposal bags and ties
- 1 x Vinyl holdall
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 39x46x12cm | -1620C |

### 15ltr Kit - Carrier

15 Ltr

**Kit contains:**
- 12 x Absorbent pads
- 1 x Absorbent 1.2m sock
- 1 x Hazardous waste disposal bags and ties
- 1 x Clip top carrier
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 59x70x5cm | -1600A |

### 20ltr Kit - Holdall

20 Ltr

**Kit contains:**
- 13 x Absorbent pads • 2 x Absorbent 1.2m socks
- 4 x Hazardous waste disposal bags and ties
- 1 x Vinyl holdall • Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 56x22x21cm | -1630D |

### 25ltr Kit - Caddy Bin

25 Ltr

**Kit contains:**
- 15 x Absorbent pads
- 1 x Absorbent 1.2m sock
- 2 x Absorbent pillows
- 4 x Hazardous waste disposal bags and ties
- 1 x Caddy bin
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 43x26x27cm | -7611M |

### 35ltr Kit - Cube Bag

35 Ltr

**Kit contains:**
- 15 x Absorbent pads
- 2 x Absorbent 3.0m socks
- 1 x Hazardous waste disposal bags and ties
- 1 x Cube bag
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 33x35x19cm | -1650F |

### 50ltr Kit - Holdall

50 Ltr

**Kit contains:**
- 35 x Absorbent pads
- 3 x Absorbent 1.2m socks
- 2 x Absorbent pillows
- 5 x Hazardous waste disposal bags and ties
- 1 x Vinyl Holdall
- Tested to **BS 7959-2:2000**

**Refill**
Absorbents and bags only, as listed above

| Type | Size HxWxD | Order Code SOL-742 |
|---|---|---|
| Spill Kit | 58x71x15cm | -1640E |
| Refill | - | -2000A |

### 90ltr Kit - Circular Bin

90 Ltr

**Kit contains:**
- 48 x Absorbent pads
- 8 x Absorbent 1.2m socks
- 1 x 1kg ready drum compound plug
- 1 x Hazardous waste disposal bags and ties
- 1 x PE Circular bin
- Tested to **BS 7959-2:2000**

**Refill**
Absorbents and bags only, as listed above.

| Type | Size HxWxD | Order Code SOL-742 |
|---|---|---|
| Kit Refill | 72x55x55cm | -1655L |

# Spill Kits - Chemical

C

Many situations require a permanent supply of absorbents to be on hand. Solent Plus™ spill kits are a cost-effective answer to this requirement. Chemical Spill Kits range in Capacity from 10ltr up to 1,000ltr. They are packed with sufficient absorbents to cope with a spill up to the Size shown.

## 15ltr Kit - Carrier

15 Ltr

**Kit contains:**
- 12 x Absorbent pads
- 1 x Absorbent 1.2m sock
- 1 x Hazardous waste disposal bags and tie
- 1 x Clip top carrier
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 59X70X54cm | -2105G |

## 35ltr Kit - Cube Bag

35 Ltr

**Kit contains:**
- 15 x Absorbent pads
- 2 x Absorbent 3.0m socks
- 1 x Hazardous waste disposal bags and tie
- 1 x Cube bag
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 33X35X19cm | -2120G |

## 20ltr Kit - Holdall

20 Ltr

**Kit contains:**
- 13 x Absorbent pads
- 2 x Absorbent 1.2m socks
- 4 x Hazardous waste disposal bags and ties
- 1 x Vinyl holdall
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 22x56x21cm | -2110L |

## 50ltr Kit - Holdall

50 Ltr

For quick response to smaller spills.

**Kit contains:**
- 35 x Absorbent pads
- 3 x Absorbent 1.2m socks
- 2 x Absorbent pillows
- 5 x Hazardous waste disposal bags and ties
- 1 x Vinyl holdall
- Tested to **BS 7959-2:2000**

**Refill**
Absorbents and bags only, as listed above.

| Type | Size HxWxD | Order Code SOL-742 |
|---|---|---|
| Kit | 58x71x15cm | -2125J |
| Refill | - | -2500A |

## 25ltr Kit - Caddy Bin

25 Ltr

**Kit contains:**
- 15 x Absorbent pads
- 1 x Absorbent 1.2m sock
- 2 x Absorbent pillows
- 4 x Hazardous waste disposal bags and ties
- 1 x Caddy bin
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 43X26X27cm | -2115R |

## 90ltr Kit - Circular Bin

90 Ltr

**Kit contains:**
- 48 x Absorbent pads
- 8 x Absorbent 1.2m socks
- 1 x 1kg ready drum compound plug
- 1 x Hazardous waste disposal bags and tie
- 1 x PE Circular bin
- Tested to **BS 7959-2:2000**

**Refill**
Absorbents and bags only, as listed above.

| Type | Size HxWxD | Order Code SOL-742 |
|---|---|---|
| Kit Refill | 72x55x55cm | -2200A |

## SOLENT SPILL CONTROL Spill Kits - Sustainable

S

**Our Sustainable absorbents are made from recycled fibres with an extra layer of meltblown polypropylene, they are Class A and retardant when the material is dry. Sustainable absorbents are not to be used on aggressive chemicals.**

## M Maintenance

### 50ltr Kit - Holdall

50 Ltr

**Kit contains:**
- 30 x Absorbent pads
- 3 x Absorbent 1.2m socks
- 8 x Absorbent pillows
- 10 x Hazardous waste disposal bags and ties
- 1 x Vinyl holdall
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 58x71x15cm | -2600A |

### 120ltr Kit - Wheeled Bin

120 Ltr

**Maintenance Spill Kit**
**Kit contains:**
- 60 x Absorbent pads
- 4 x Absorbent 1.2m socks
- 8 x Absorbent pillows
- 10 x Hazardous waste disposal bags a ties
- 1 x Wheeled bin
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 95x47x54cm | -2605G |

### 120ltr Kit - Wheeled Bin Chemical

120 Ltr

**Kit contains:**
- 75 x Absorbent pads
- 9 x Absorbent 1.2m socks
- 6 x Absorbent pillows
- 10 x Hazardous waste disposal bags and tie
- 1 x Wheeled bin
- Tested to **BS 7959-2:2000**

**Refill**
Absorbents and bags only, as listed above.

| Type | Size HxWxD | Order Code SOL-742 |
|---|---|---|
| Kit Refill Covers | 95x47x54cm | -2130K |
| | - | -9001A |
| Refill | 95x47x54cm | -1670H |

## O Oil-Only

### 50ltr Kit - Holdall

50 Ltr

**Kit contains:**
- 30 x Absorbent pads
- 3 x Absorbent 1.2m socks
- 8 x Absorbent pillows
- 10 x Hazardous waste disposal bags and ties
- 1 x Vinyl holdall
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 58x71x15cm | -2650A |

### 120ltr Kit - Wheeled Bin

120 Ltr

**Oil Only Spill Kit**
**Kit contains:**
- 60 x Absorbent pads
- 4 x Absorbent 1.2m socks
- 8 x Absorbent pillows
- 10 x Hazardous waste disposal bags and ties
- 1 x Wheeled bin
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 95x47x54cm | -2655F |

## Hand Towels & Wiper Rolls

See our range

Scan the QR Code

SENATOR®
QUALITY TOOLING

# Built to Perform.
# Designed to Last.

Engineered to excel and crafted to endure, tool after tool. Includes an extensive range of products from Tool Kits and Socket Sets to Hammers and Tool Chests.

# SPILL CONTROL

## SOLENT SPILL CONTROL PLUS Maintenance Absorbents

Maintenance Absorbent pads and rolls are an ideal solution to the regular maintenance and soaking up of small spills and leaks in the workplace, Black / Grey in colour, they absorb both water and oil based fluids. They are also an excellent item to supplement our Spill Kits and Spill Centres.

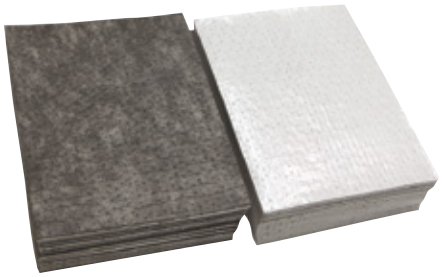
### Pads

- Tested to **BS 7959-2:2000**

| Size (cm) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 50 x 40 | 50 | 40ltr | **-0910P** |
| 50 x 40 | 100 | 80ltr | **-0900A** |
| 50 x 40 | 200 | 160ltr | **-0905H** |

### PVC Backed Pads

- Tested to **BS 7959-2:2000**



| Size (cm) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 50 x 40 | 100 | 80ltr | **-0920Z** |

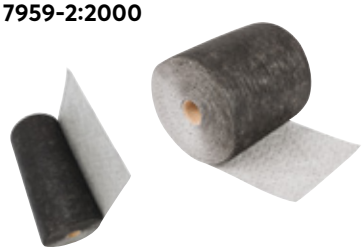
### Pillows

- Tested to **BS 7959-2:2000**

| Size (cm) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 38 x 23 | 16 | 64ltr | **-1100A** |

### Rolls

- Tested to **BS 7959-2:2000**



| Size (cm x m) | Pack Absorption | Order Code SOL-742 |
|---|---|---|
| 38 x 40 | 60ltr | **-0840D** |
| 50 x 40 | 80ltr | **-0825G** |
| 80 x 40 | 126ltr | **-0830L** |

### Socks

Polypropylene with polypropylene sleeve

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 7.5 x 1.2 | 20 | 100ltr | **-1000A** |
| 7.5 x 3 | 8 | 100ltr | **-1010H** |

### Flat Socks

- Lies flat to the ground increasing fluid contact point
- With special inner polymer which enables 100% fluid retention
- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 7.5 x 1.2 | 20 | 100ltr | **-1200A** |

### Eco Slot Box

Perforated Sheets on a roll

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Absorption | Order Code SOL-742 |
|---|---|---|
| 38 x 22 | 44ltr | **-0800A** |

### Drum Top Pads

For 205ltr barrels these laminated drum top Absorbent Pads are fast acting, highly absorbent and the most cost effective absorbent, retaining their strength even when wet.

| Size (cm) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 56 x 56 | 5 | 5ltr | **-1150A** |

### Heavy Duty Maintenance Absorbents

Absorbent pads and rolls, ideal for large spills.

### Extra Pads

- Tested to **BS 7959-2:2000**

| Size (cm) | Pack Qty | Pack Absorption | Order Code SOL-742 |
|---|---|---|---|
| 50 x 40 | 100 | 120ltr | **-0915T** |

### Extra Rolls

- Tested to **BS 7959-2:2000**

| Size (cm x m) | Pack Absorption | Order Code SOL-742 |
|---|---|---|
| 50 x 40 | 120ltr | **-0850F** |
| 80 x 40 | 189ltr | **-0855K** |

## Spill Kits - Maintenance

### 120ltr Kit - Wheeled Bin

120 Ltr

**Kit contains:**
- 75 x Absorbent pads
- 9 x Absorbent 1.2m socks
- 6 x Absorbent pillows
- 10 x Hazardous waste disposal bags and ties
- 1 x Wheeled bin
- Tested to **BS 7959-2:2000**

**Refill**
Absorbents and bags only, as listed above.

**Audit Covers**
Yellow, weatherproof PVC covers with elasticated cord to allow fitting over the top of wheeled bin spill kit. A4 sized clear pouch for inserting audit record sheet.

| Type | Size HxWxD | Order Code SOL-742 |
|---|---|---|
| Kit Refill Covers | 95x47x54cm | -0512N |

## Spill Kits - Oil-Only

### 120ltr Kit - Wheeled Bin

120 Ltr

**Kit contains:**
- 75 x Absorbent pads
- 9 x Absorbent 1.2m socks
- 6 x Absorbent pillows
- 10 x Hazardous waste disposal bags and ties
- 1 x Wheeled bin
- Tested to **BS 7959-2:2000**

**Refill**
Absorbents and bags only, as listed above.

**Audit Covers**
Yellow, weatherproof PVC covers with elasticated cord to allow fitting over the top of wheeled bin spill kit. A4 sized clear pouch for inserting audit record sheet.

| Type | Size HxWxD | Order Code SOL-742 |
|---|---|---|
| Kit Refill Cover | 95x47x54cm | -1670H |

## Audit Covers

120 Ltr

Yellow, weatherproof PVC covers with elasticated cord to allow fitting over the top of wheeled bin spill kit. A4 sized clear pouch for inserting audit record sheet.

| Size | Order Code SOL-742 |
|---|---|
| 120ltr | -3290A |

## Spill Kit, Oil Only 120L Wheeled Bin

120 Ltr

Spill Kit Contents
60 x Absorbent Pads
4 x Absorbent Socks (1.2m)
8 x Absorbent Pillows
10 x Disposal Bags
10 x Cable Ties

| Size | Order Code SOL-742 |
|---|---|
| 120ltr | -7211J |

## Contractor Kit- Oil Only Spill Kit 90L Circular Bin

90 Ltr

Everything you need to deal with spillage in a cylindrical bin.

Features:

-Packed in a cylindrical bin with a clip top lid
- 48 x premier 50cm x 40cm Pads, 8 x Premier 1.2m Socks, 1kg Drum Plug, 1 x Hazard Tape, 10 waste bags & ties

| Absorbency | Order Code SOL-742 |
|---|---|
| 90ltr | -7211G |

## Spill Kits - Maintenance

Many situations require a permanent supply of absorbents to be on hand. Solent Plus™ spill kits are a cost-effective answer to this requirement. Maintenance Spill Kits range in capacity from 10ltr up to 1,000ltr. They are packed with sufficient absorbents to cope with a spill up to the size shown.

### 10ltr Kit - Holdall

10 Ltr

**Kit contains:**
- 7 x Absorbent pads
- 1 x Absorbent 1.2m sock
- 1 x 1kg Putty seal pre-mixed drum plug mix
- 2 x Hazardous waste disposal bags and ties
- 1 x Vinyl holdall
- Tested to **BS 7959-2:2000**
- Ideal for forklift use

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 39x46x12cm | -0500A |

### 15ltr Kit - Carrier

15 Ltr

**Kit contains:**
- 12 x Absorbent pads
- 1 x Absorbent 1.2m sock
- 1 x Hazardous waste disposal bags and ties
- 1 x Clip top carrier
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 59x70x54cm | -0502C |

### 20ltr Kit - Holdall

20 Ltr

**Kit contains:**
- 13 x Absorbent pads
- 2 x Absorbent 1.2m socks
- 4 x Hazardous waste disposal bags and ties
- 1 x Vinyl holdall
- Tested to B**S 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 56x22x21cm | -0504E |

### 25ltr Kit - Caddy Bin

25 Ltr

**Kit contains:**
- 15 x Absorbent pads
- 1 x Absorbent 1.2m sock
- 2 x Absorbent pillows
- 4 x Hazardous waste disposal bags and ties
- 1 x Caddy bin
- Tested to **BS 7959-2:2000**

| Size HxWxD | Order Code SOL-742 |
|---|---|
| 43x26x27cm | -0506G |

### 35ltr Kit - Cube Bag

35 Ltr

**Kit contains:**
- 15 x Absorbent pads
- 2 x Absorbent 3.0m socks
- 1 x Hazardous waste disposal bags and ties
- 1 x Cube bag
- Tested to **BS 7959-2:2000**

| Type | Size HxWxD | Order Code SOL-742 |
|---|---|---|
| Kit | 35x35x19cm | -0508J |

### 50ltr Kit - Holdall

50 Ltr

**Kit contains:**
- 35 x Absorbent pads
- 3 x Absorbent 1.2m socks
- 2 x Absorbent pillows
- 5 x Hazardous waste disposal bags and ties
- 1 x Vinyl holdall
- Tested to **BS 7959-2:2000**

**Refill**
Absorbents and bags only, as listed above

| Type | Size HxWxD | Order Code SOL-742 |
|---|---|---|
| Kit Refill | 58x71x15cm | -0510L |
| | - | -1400A |

### 90ltr Kit - Circular Bin

90 Ltr

**Kit contains:**
- 48 x Absorbent pads
- 8 x Absorbent 1.2m socks
- 1 x 1kg ready drum compound plug
- 1 x Hazardous waste disposal bags and ties
- 1 x PE Circular bin
- Tested to **BS 7959-2:2000**

**Refill**
Absorbents and bags only, as listed above.

| Type | Size HxWxD | Order Code SOL-742 |
|---|---|---|
| Kit Refill | 72x55x55cm | -0700A |

# BLEACH & DISINFECTANT



## Full Spectrum Cleaner

- Dilution can be changed for efficiency and cost-effectiveness
- Certified safe to use in food preparation areas leaving no taint
- Proven to remove stubborn and heavy soiling including grease and fat
- Environmentally-friendly and non-toxic to marine life
- Biodegradable formula for guilt-free cleaning
- Meets EU-Regulations for REACH Annex XVII substances
- Meets Regional waste legislation - Safe to dispose into watercourse
- EU Food safety regulations

Combine **900ml** of water with **100ml** of concentrate product = **1000ml** of cleaning product

Fragrance Free

| Size | Order Code ONX-780 |
|---|---|
| Concentrate - 1ltr | **-3930H** |
| Concentrate - 5ltr | **-3931J** |

## Empty Trigger Sprays 1 Litre

- For Spectrum and Disinfectant cleaner concentrates
- Ready labelled for desired dilution
- Fitted with a heavy duty industrial sprayer

Empty Bottles

| Spray Bottle | Order Code ONX-780 |
|---|---|
| Full Spectrum | **-8230H** |
| Disinfectant | **-8230D** |

## Disinfectant Cleaner Concentrate

- Multi-purpose superior cleaner for use on all hard surfaces including stainless steel process machinery, food process and preparation equipment
- Produces ultra clean food contact surfaces that meet the new EU Food Safety regulations on Maximum Residue Levels (MRLs) for Quats
- EN 14476 - Virucidal evaluation
- EN1040 - Chemical disinfectants and antiseptics
- EN1276 - Chemical disinfectants and antiseptics evaluation
- EN13697 - Antimicrobial testing

| Size | Order Code ONX-780 |
|---|---|
| 20Ltr | **-3042W** |

## Disinfectant Cleaner

- Cleans, disinfects and deodorises with no rinsing required
- Ready to use with no mixing or dilution required
- Proven to remove tough and heavy industrial soiling
- Biodegradable formula for minimal environmental impact
- Conforms to biodegradability criteria regulations (EC) No. 648/2004 (detergents)
- EN 14476 - Virucidal evaluation
- EN1040 - Chemical disinfectants and antiseptics
- EN13697 - Antimicrobial testing
- EN1276 - Chemical disinfectants and antiseptics evaluation
- EN1650 - Fungicidal suspension
- EN1275 - Basic fungicidal and basic yeasticidal activity evaluation
- OECD confirms the biodegradability of the active ingredient
- LB2270/80 biocide effectiveness

Biodegradable

Combine **900ml** of water with **100ml** of concentrate product = **1000ml** of cleaning product

Fragrance Free

| Size | Order Code ONX-780 |
|---|---|
| Concentrate - 1ltr | **-3040T** |
| Concentrate - 5ltr | **-3041V** |

## Full Spectrum™ Concentrated Cleaner

Advanced technology eco-safe super strength multi-purpose cleaner for superior cleaning on all hard surfaces including stainless steel process machinery, food process and preparation equipment, kitchens, bathrooms, heavily soiled and non-slip floors, engineering and industrial plant, road vehicles and boats.

- Prevents build-up of scale from hard water.
- Can be used on a range of surfaces including stainless steel, plastic, wood, ceramic, glass, rubber, concrete, metal, vinyl and safety floors, cladding and uPVC.
- Meets EU-Regulations for REACH Annex XVII substances.
- Meets Regional waste legislation - Safe to dispose into watercourse.

| Size | Order Code ONX-780 |
|---|---|
| 20Ltr | **-3932K** |


## Cleaning & Hygiene Products

See our range

Scan the QR code

# SOAP DISPENSER & HAND CARE

## Bulk Fill Beaded Soap Dispenser, 2L

Ideal for busy washrooms, the Solent® Bulk Fill beaded soap dispenser delivers a 3ml measured dose to thoroughly cleanse and sanitise the hands. Designed specifically for beaded hand washes, the pump mechanism avoids blockages and build-up to reduce maintenance time.

- Delivers a measured dose to reduce waste and cut costs
- Quick and easy to replenish hand soap
- Built-in viewing window for monitoring usage
- Automatically locks for tamper-proofing
- Dispenser only - handwash sold separately

| Dispenser Method | Order Code SOL-780 |
|---|---|
| Manual | -2240M |

## Dispenser Pump

- Hybrid dispenser suitable for a range of containers
- Closure option to reduce the risk of excess dispensing
- Fully cleanable and reusable
- Designed to handle viscous products
- Compatible with SOL7801005L



| Mount Type | Dispenser Method | Order Code SOL-780 |
|---|---|---|
| Freestanding | Manual | -1125D |

PRECISION POWER FOR EVERY JOB

Do not compromise. Choose Kobe for unparalleled performance and reliability. Your projects deserve nothing less than the best.

Ready to take your work to the next level? Discover the Kobe difference today and experience excellence at your fingertips!

Power. Precision. Perfection.

KOBE™

## Pump Dispenser

Plastic pump dispenser to provide the correct amount of product and suitable for 2.5/3L jars.

| Type | Order Code SOL-780 |
|---|---|
| Hand Wash Dispenser | -1130F |

## Lincoln Plastic Kick Stools

Manufactured in high quality durable plastic, lightweight and easy to move. Incorporates three sprung loaded castors which retract when weight is applied.

**Maximum load:** 125kg.

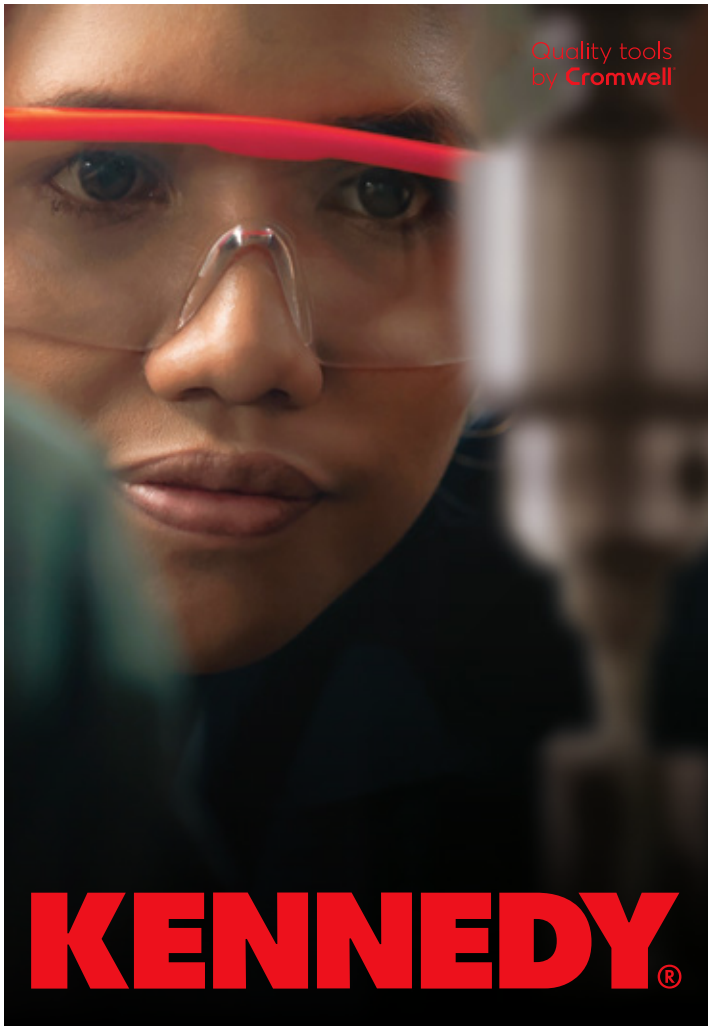
| Colour | Order Code LNC-811 |
|---|---|
| Black | -0350K |
| Blue | -0360K |
| Grey | -0370K |
| Red | -0380K |

## Lincoln Lincoln Metal Kick Stools

Fitted with three spring loaded castors for robust maximum mobility. Base ring holds the kick stool rigid to the floor when weight is applied. Heavy-duty construction.

**Diameter:** 29cm.
**Maximum load:** 150kg.

| Colour | Order Code LNC-811 |
|---|---|
| Black | -0190K |
| Blue | -0200K |
| Grey | -0210K |
| Red | -0220K |




## AVON Archive Storage Boxes

Rigid cardboard box with carrying handles, attached lid and large contents panel for clear labelling. Suitable for stacking

**Dimensions (HxWxD):** 360 x 430 x 257mm
**Colour:** Brown

PACK OF 10

| Colour | Order Code AVN-801 |
|---|---|
| Brown | -0040K |

## Lincoln Draughtman's Chairs

Fabric covered, fixed position chair. 5 star base for stability. Height adjustable chrome foot ring (between 200-400mm). Seat height adjustment (590-830mm). Medium back with depth adjustment

- Depth adjustment
- Five star-base
- Chrome foot ring

| Colour | Order Code LNC-811 |
|---|---|
| Charcoal | -0120K |
| Blue | -0130K |

## Lincoln Industrial Polyurethane High Chair

This multi-functional high chair has a moulded, anatomically correct shaped seat a back to provide maximum comfort that helps you to sit correctly. The chair has been specifically designed with stability in mind, with pad rests rather than castors for better stability in workshops a working spaces.

- Depth adjustment to suit most desk/table heights
- Five-star base for stability
- The footrest is designed to be adjustable to add extra comfort a alternative sitting positions

| Product Type | Order Code LNC-811 |
|---|---|
| Operator Chair | -0670K |

## Lincoln Low Industrial PU Chair

Easy clean polyurethane chair, ideal for the factory floor, workshop or laboratory.
Maximum weight: 18 stones.
Seat dimensions (W x D x H): 460 x 420 x 410 - 510mm.
Back height: 310mm
Colour: black

| Package Type | Order Code LNC-811 |
|---|---|
| Operator Chair | -0660K |

## MATLOCK Multi-Drawer Cabinets

A choice of two cabinet heights to provide a versatile solution to storage problems.
Dimensions (H x W x D):
15 drawers: 866 x 278 x 408.
10 drawers: 605 x 278 x 408.

| Lock Type | Order Code MTL-811 |
|---|---|
| Lockable | -0100K |
| Lockable | -0110K |
| Non Lockable | -0115K |
| Non Lockable | -0120K |

# SENATOR®
## QUALITY TOOLING

**Built to Perform.**
**Designed to Last.**

Engineered to excel and crafted to endure, tool after tool. Includes an extensive range of products from Tool Kits and Socket Sets to Hammers and Tool Chests.

# SECURITY - SAFES



## MATLOCK Key Cabinets

All heavy gauge steel construction for secure key storage. Fitted with security lock and supplied complete with two keys. All key hooks are numbered for easier identification. Easily fitted to walls with screws (fixings not supplied).

| Capacity | Order Code MTL-820 |
|---|---|
| 20 Keys | -0200K |
| 48 Keys | -0250K |
| Blank Key | -9070K |

## MATLOCK Electronic Key Safe

Electronic key safe with a handy deposit slot - insert keys without opening the cabinet. Supplied with a manual override key, key rings, multi coloured tags and fixing bolts.
Requires 4x AA batteries.

| Key Capacity | Order Code MTL-820 |
|---|---|
| 48 | -5540K |

## MATLOCK Blue Plastic Key Fobs

To organise and label keys and other items, these versatile keyrings are an office essential. Supplied in a handy pack of fifty, they're an economic and convenient go-to for key management.

| Capacity | Order Code MTL-820 |
|---|---|
| 20 Keys | -9020K |

## MATLOCK Mechanical Keyed Safe

Will safely store your valuables, legal documents etc.. It features double-locking steel bolts, concealed hinges, and pre-drilled anchor points for easy floor or wall mounting. Supplied with 3 keys.

**Szín:** Fekete.

| Dimensions H x W x D (mm) | Weight each | Order Code MTL-820 |
|---|---|---|
| 250 x 350 x 250 | 6.5kg | -6170K |

## MATLOCK Electronic Digital Safe

Steel safe fitted with electronic combination lock that uses a 3 to 8 digit code. Features indicator lights for open, low battery and warning. Features 20mm locking bolts, concealed hinges, and pre-drilled anchor points for securing to the floor. Includes emergency override key and protective floor mat. Requires 4x AA batteries (included).

| Dimensions H x W x D (mm) | Weight each | Order Code MTL-820 |
|---|---|---|
| 250 x 350 x 250 | 9.7kg | -6140K |

## MATLOCK Convex Security Mirrors

For use in areas with limited views or blind spots.

- Polymir® mirror, unbreakable and anti-UV treated
- High quality, sharp image without distortion
- Offers 90° views (2 directions)
- Supplied with fixing brackets

**Security**

**Traffic Safety**

| Type | Order Code MTL-820 |
|---|---|
| Exterior | -7850K |
| Exterior | -8170K |

## MATLOCK Electronic Safe

Electronic safe complete with mounting bolts and floor carpet. One fixed shelf. 3 - 8 digit locking code. Concealed emergency manual key lock. Double locking bolts. Fine powder coated finish.

| Dimension (mm) External | Order Code MTL-820 |
|---|---|
| 300x380x300 | -5030K |

## MATLOCK Convex Security Mirrors

For interior use in areas with limited views or blind spots.

- Polymir® mirror, unbreakable and anti-UV treated
- High quality, sharp image without distortion
- Supplied with fixing brackets

| Dia. (mm) | Order Code MTL-820 |
|---|---|
| 450 | -8050K |
| 600 | -8070K |

## Avon Anti-Rust Paper Rolls

Performance tested and approved to the German TL 8135-0002 standard.
**VCI Paper:** Volatile Corrosion Inhibitor (VCI) paper, VCI chemicals volatize, attach themselves to metal and form a protective layer just a few molecules thick. This layer prevents humidity, salt, dirt from depositing on the metal and causing corrosion. For use with ferrous metals only.
**MPI Paper:** Superior multi- purpose corrosion inhibitor paper for use as a wrapper for all metals, e.g. ground rollers, or as an interleave for packing light components.

**Size:** 900mm x 200m.

| Type | Order Code AVN-830 |
|---|---|
| VCI | -1890K |
| MPI | -1900K |

## Imitation Kraft Paper Rolls

- Manufactured from recycled kraft paper pulp - better for the environment
- Versatile and suitable for most applications
- Has a lower burst strength than pure kraft paper
- Strong and renewable recycled kraft paper rolls

| Width | Order Code AVN-830 |
|---|---|
| 600 | -0230K |
| 750 | -0240K |
| 900 | -0250K |

## Pure Kraft Paper Rolls

Manufactured from pure wood pulp. This gives the pure kraft paper properties of higher strength and makes it a more durable paper with a higher burst strength than imitation kraft paper.

| Size | Order Code AVN-830 |
|---|---|
| 600mm x 285m | -0140K |
| 750mm x 285m | -0150K |
| 900mm x 285m | -0160K |

## Stretch Wrap Dispensers

**Standard Dispenser**
For 400/500mm stretch wrap on 38/50/75mm Core. Weight 1.45kg.

**Mini Dispenser**
For use with 100mm x 150m stretch wrap rolls.

**Adjustable Dispenser**
Strong, lightweight aluminium base and core cover. Can be adjusted from 12" to 20" with a foam grip handle.
**Capacities:** stretch wrap width 12" to 20".
**Core sizes:** 1½", 2" and 3".

| Description | Order Code AVN-834 |
|---|---|
| Standard Dispenser | -0130K |
| Mini Dispenser | -0070K |
| Adjustable Dispenser | -0110K |

## Drywipe Aluminium Frame Whiteboards

Ideal for use in training seminars, presentations, in the classroom, or anywhere that ideas or procedures need communicating to several people at the same time. The extra smooth bright white surface improves erasability, reduces ghosting, and provides a good contrast to anything written or drawn on it.

| Height | Width | Order Code OFI-836 |
|---|---|---|
| 900 | 600 | -0010K |
| 1200 | 900 | -0020K |
| 900 | 600 | -0030K |
| 1200 | 900 | -0040K |
| 900 | 600 | -0050K |

## Waxed Kraft Paper Rolls

A water-resistant paper made by waxing on both sides, frequently used for the wrapping of engineering components
Size 900mm x 100m.

| Thickness | Order Code AVN-830 |
|---|---|
| 55gsm | -0260K |
| 65gsm | -0270K |
| 120gsm | -0280K |

## Sack Tying Tool

The tying tool to quickly and easily twist the tie around the neck of the sack to seal it.

| Order Code AVN-835 |
|---|
| -0790K |

## Sack Ties

PVC coated stainless steel sack ties, for use on polypropylene woven sacks and polythene sacks. Made from 1.2mm thick wire. Each tie is looped at each end. Sold in bundles of 1000 ties. These are easily applied with a sack tying tool sold separately.

| Size (mm) | Order Code AVN-835 |
|---|---|
| 150 | -0800K |
| 200 | -0810K |

# BANDING, STRAPPING & ACCESSORIES



## AVON Strapping Buckles

**Galvanised Buckles**
For use with polypropylene and composite strapping. Available in three different thickness's.

**Pack quantity:** 1000 buckles.

PACK OF 1000

| Buckle Size | Wire Thickness | Order Code AVN-835 |
|---|---|---|
| 13mm | 3.3mm Ø | -0840K |
| 16mm | 3.5mm Ø | -0850K |
| 19mm | 3.5mm Ø | -0860K |

## AVON Static Strapping Dispenser

Static strapping dispenser for use with woven cord polyester strapping. Rear mounted plastic box ensures seals and tools are always at hand.

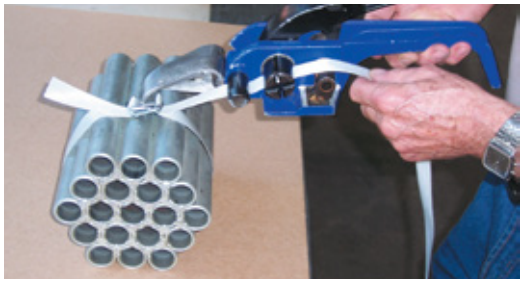
Woven Polyester

| Order Code AVN-835 |
|---|
| -0830K |

## AVON Woven Polyester Strapping

Woven Polyester

Woven polyester strapping with almost the strength of steel banding and unaffected by extremes of temperature. Can be re-used when secuPiros with metal buckles. **Core Dim:** 78mm.



| Width x Length | Dimensions (mm) | Order Code AVN-837 |
|---|---|---|
| 13mm x 1100m | 375kg | -1860K |
| 16mm x 850m | 450kg | -1870K |
| 19mm x 850m | 550kg | -1880K |

## AVON Polypropylene Banding

Polypropylene plastic banding supplied on reels suitable for hand banding. Black, packed individually. Width: 12mm. Approximate breaking strain: **R13:** 130kg, **R21:** 210kg, **R30:** 300kg. **TT55:** 300kg.

Polypropylene

| Type | Length (m) | Order Code AVN-837 |
|---|---|---|
| R13 | 2000 | -1800K |
| R21 | 1300 | -1810K |
| R30 | 1000 | -1820K |
| TT55 (blue) | 1000 | -1926K |
| TT55 (yellow) | 1000 | -1930K |

## AVON Polypropylene Banding Seals

For securing polypropylene banding around objects.
**Width:** 12mm.

Polypropylene

**Priced per pack**

| Type | Pk Qty | Order Code AVN-835 |
|---|---|---|
| | **Plain** | |
| Standard | 2000 | -0690K |
| Heavy | 2000 | -0700K |
| | **Serrated** | |
| 12mm | 1000 | -0770K |
| 16mm | 1000 | -0780K |

## AVON Strap & Seal Kit - 3 Pieces

Perfect for solving smaller packaging, bundling and stability problems.
- Ideal for general duty strapping and bundling tasks

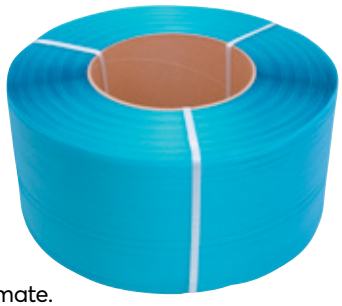
**Kit contains:**
1x 12mm x 800m polypropylene strapping
1x cardboard dispenser box
1x pack of 300x semi-open metal seals

| Order Code AVN-835 |
|---|
| -0870K |

## AVON Machine Quality Polypropylene Banding

Suitable for use on automatic strapping machines. Supplied on 200/190mm cardboard cores 0.55mm thick.
**Colours:** Blue (1790K and 2220K)
White (2270K)

Polypropylene



*All breaking strains are approximate.

| Width (mm) x Length (m) | Breaking Strain | Order Code AVN-837 |
|---|---|---|
| 12 x 3000 | 130kg* | -1790K |

## AVON Polyester Strapping

A low creep factor enables excellent retention of applied load, while ease of application and disposal enables fast efficient packaging by manual or automatic process. Supplied on cardboard reels (except -1940K & -1950K, plastic reels.)

Extruded Polyester

**Breaking strains**
270kg **-1940K**
300kg **-0480K**
450kg **-0500K**
440kg **-1950K**

| Width x Length | Order Code AVN-837 |
|---|---|
| 12.0 x 0.68mm x 1600m | -1940K |
| 12.0 x 0.60mm x 2500m | -0480K |
| 15.5 x 0.68mm x 1750m | -0500K |
| 16.0 x 0.68mm x 1200m | -1950K |

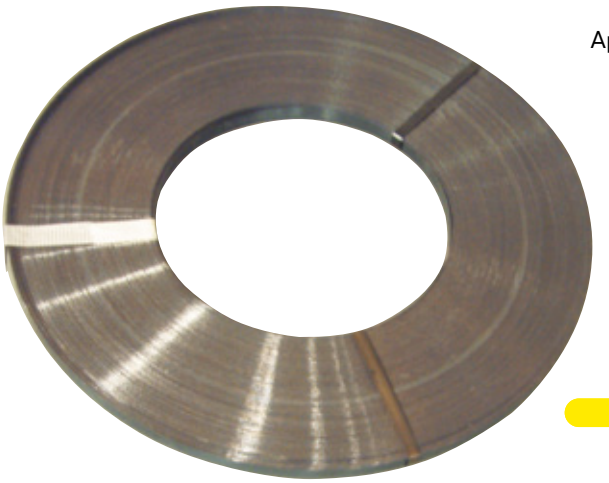
## AVON Steel Hand Banding

**Ribbon:** Each layer is wound directly over the one below, so that the width of coil is the width of strap. 0.5mm thickness.

Approximate breaking strain:
**12mm:** 561kg,
**16mm:** 714kg,
**19mm:** 846kg.
Approximate reel length:
**12mm:** 330m,
**16mm:** 334m,
**19mm:** 335m.

**Mill Wound:** Each layer oscillates across the layer below, uniformly and tightly across the 63.5mm width of the coil. 0.5mm thickness.

Approximate breaking strain:
**12mm:** 561kg,
**16mm:** 714kg,
**19mm:** 846kg.
Approximate reel length:
**12mm:** 965m,
**16mm:** 763m,
**19mm:** 643m.



**Steel**

**Prices for steel banding may change subject to manufacturer's surcharges.**

### Ribbon Wound

| Width x Length | Order Code AVN-837 |
|---|---|
| 12mm x 330m | **-1730K** |
| 16mm x 334m | **-1740K** |
| 19mm x 335m | **-1750K** |

### Mill Wound

| Width x Length | Order Code AVN-837 |
|---|---|
| 12mm x 695m | **-1760K** |
| 16mm x 763m | **-1770K** |
| 19mm x 643m | **-1780K** |

## AVON Centrefold & Multifold Polythene Sheeting

Quality polythene sheeting ideal for virtually all needs including packaging, dust protection, floor protection and waterproofing. Superb all round quality polythene. Supplied folded on rolls for easy storage.

| Sheet Width (Folded/Open) | Overall Length | Micron | Order Code AVN-837 |
|---|---|---|---|
| 1m/2m | 300m | 32 | **-0070K** |

## AVON High Performance Blown Stretch Wrap

For wrapping and stabilising pallet loads. Protects from weather and dust whilst in transit or storage. Sticks only to itself and not the wrapped items. High Performance Films performing to the micron strength listed in the table.

**All prices are per roll**

**Standard Core**

**Extended Core**

| Roll Size | Micron Strength | Core Type | Colour | Order Code AVN-837 |
|---|---|---|---|---|
| 100mm x 150m | 17 | Ext. | Clear | **-0520K** |
| 100mm x 150m | 20 | Ext. | Clear | **-0530K** |
| 100mm x 150m | 22 | Std. | Black | **-0620K** |
| 400mm x 200m | 34 | Std. | Clear | **-0680K** |
| 400mm x 300m | 12 | Std. | Clear | **-0700K** |
| | 17 | Std. | Clear | **-0550K** |
| | 20 | Std. | Clear | **-0560K** |
| | 25 | Ext. | Black | **-0570K** |
| | 17 | Ext. | Red | **-0580K** |
| | 17 | Ext. | Blue | **-0590K** |
| 500mm x 300m | 20 | Std. | Clear | **-0670K** |
| 500mm x 200m | 35 | Std. | Clear | **-0660K** |
| 400mm x 300m | 17 | Ext. | Clear | **-0600K** |
| 400mm x 300m | 20 | Ext. | Clear | **-0610K** |

## AVON Prestretched Stretch Wrap, Clear

- Supplied on the roll for ease of wrapping and avoidance of wastage
- Easy to store when not in use
- Reduces both cost and plastic consumption
- Translucent nature allows the product to keep the contents visible for ease of identification of packaging
- Available in a range of sizes to suit your requirements

| Colour | Length m | Width mm | Micron µm | Order Code AVN-837 |
|---|---|---|---|---|
| Clear | 600 | 400 | 8 | **-1830K** |
| Clear | 600 | 450 | 8 | **-1840K** |

## AVON Polythene Shrink Wrap

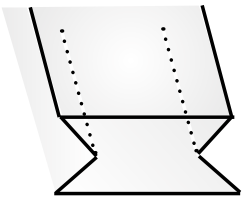
**Centre Fold Sheeting - Type AS**
Suitable for irregular and awkward shaped products, such as trolleys, trucks, machinery and furniture. Supplied centre folded on the roll.
**Roll weight:** 25kg.

**All prices are per roll**

| (Sheet Wifth Folded/Open) | Roll Length | Film Thickness | Order Code AVN-837 |
|---|---|---|---|
| 1.25/2.50m | 85m | 125 Micron | -0020K |
| 1.00/2.00m | 99m | 125 Micron | -0025K |
| 1.50/3.00m | 58m | 150 Micron | -0050K |

## AVON Lay Flat Tubing - Type VH

Gusset shrink tubing. Quick and easy to use. For wrapping pallets of varying heights. Available in a choice of two sizes.



**All prices are per roll**

| (Sheet Wifth Folded/Open) | Film Thickness | Roll Length | Order Code AVN-837 |
|---|---|---|---|
| 1.25/2.50m | 125 micron | 50m | -0030K |
| 1.20/2.30m | 200 micron | 30m | -0040K |

## AVON Gripseal Polythene Bags - Write On

Medium duty. Clear gripseal bags. Available plain and with three write-on stripes.
**Pack of 1000.**

**Write-on**

**Plain**

**Images are for illustration purposes only.**

| Width x Length (inch) | Order Code AVN-837 |
|---|---|
| 2¼" x 2½" | -3580K |
| 3" x 3⅜" | -3590K |
| 3½ x 3⅜" | -3610K |
| 4" x 5½" | -3620K |
| 5" x 7½" | -3630K |
| 6" x 9" | -3640K |
| 8" x 11" | -3650K |
| 10" x 14" | -3660K |
| 9" x 12¾" | -3670K |
| 7½" x 7½" | -3690K |

| Width x Length (inch) | Order Code AVN-837 |
|---|---|
| 2½" x 2¼" | -3430K |
| 2¼" x 3 | -3440K |
| 3" x 3½" | -3450K |
| 3½" x 4½" | -3470K |
| 4" x 5½" | -3480K |
| 4½" x 4½" | -3490K |
| 5" x 7½" | -3500K |
| 6" x 9" | -3510K |
| 8" x 11" | -3520K |
| 9" x 12¾" | -3530K |
| 10" x 14" | -3540K |
| 11" x 16" | -3550K |
| 12¾" x 12¾" | -3560K |
| 15" x 20" | -3570K |

## AVON Layflat Polythene Tubing

Customise your polythene bag size! Choose your preferred width and use the layflat tubing to make your own custom sized bags or sleeves. Tubing can be heat sealed, tied or stapled closed.

**LARGER SIZES AVAILABLE ON REQUEST**

**Price per pack**

| Width | 250 Gauge/330m Clear Order Code AVN-837 | 500 Gauge/165m Clear Order Code AVN-837 |
|---|---|---|
| 50mm | -0730K | -0890K |
| 75mm | -0740K | -0900K |
| 100mm | -0750K | -0910K |
| 125mm | -0760K | -0920K |
| 150mm | -0770K | -0930K |
| 200mm | -0780K | -0940K |
| 225mm | - | -0945K |
| 250mm | -0790K | -0950K |
| 300mm | -0800K | -0960K |
| 350mm | -0810K | -0970K |
| 375mm | -0820K | -0980K |
| 400mm | -0830K | -0990K |
| 450mm | -0840K | -1000K |
| 500mm | -0850K | -1010K |
| 600mm | -0860K | -1020K |
| 750mm | -0870K | -1030K |
| 800mm | -0875K | - |
| 900mm | -0880K | -1040K |

## AVON Heavy Duty Professional Metal Tacker

All Steel construction with lock function, Ideal for wood, carpet and plastic. 4 year guarantee.

Nr. 140
6 - 14 (mm)

| Staple Size | Order Code AVN-838 |
|---|---|
| 6 - 14mm | -0040K |

## AVON Heavy Duty Hammer Tacker

Suitable for a variety of applications including carpet fitting and roof felting. Manufactured from heavy duty steel with a chrome finish and comfortable rubber grip.

Nr. 140
10mm

| Staple Size | Order Code AVN-838 |
|---|---|
| 10mm | -0020K |

## Offis Felt Notice Boards - Aluminium Frames

Felt covePiros board.

| Colour | Size | Order Code OFI-836 |
|---|---|---|
| Blue | 1200 x 900mm | -0090K |
| Green | | -0100K |
| Red | | -0120K |

## Offis Executive Felt Covered Notice Boards - Aluminium Frames

Satin finish aluminium framed, executive felt covered notice boards.

| Colour | Size | Order Code OFI-836 |
|---|---|---|
| Blue | 900 x 600mm | -0280K |
| Grey | 900 x 600mm | -0300K |
| Blue | 1200 x 900mm | -0310K |
| Grey | 1200 x 900mm | -0330K |

## Offis Executive Dry Wipe Boards

The extra smooth, bright white surface improves erasability, reduces ghosting and provides a good contrast to anything written or drawn on it. Finished with an aluminium trim and ABS plastic corners. Supplied with concealed wall fixings and pen tray.

**Magnetic**

| Size (mm) | Order Code OFI-836 |
|---|---|
| 900 x 600 | -0240K |
| 1200 x 900 | -0250K |

**Non-Magnetic**

| Size (mm) | Order Code OFI-836 |
|---|---|
| 600 x 300 | -0340K |
| 900 x 600 | -0260K |
| 1200 x 900 | -0270K |

## Offis Cork Notice Boards - Aluminium/Wooden Frames

The boards will last for years even with daily use. Available in a choice of sizes and finishes.

| Size | Order Code OFI-836 |
|---|---|
| **Aluminium Frame** | |
| 600 x 450mm | -0160K |
| 900 x 600mm | -0170K |
| **Wooden Trim** | |
| 600 x 450mm | -0130K |
| 900 x 600mm | -0140K |
| 1200 x 900mm | -0150K |

## Offis Folding Magnetic Drywipe Board

Silver trimmed whiteboard with two folding end panels which double the display area. Panels can be closed for concealing sensitive information. Includes pen tray and wall fixings.

Middle panel dimensions 1200 x 900mm

| Order Code OFI-836 |
|---|
| -0350K |

## Offis Mobile Drywipe Boards with Aluminium Stand

- Magnetic surface allows you to attach magnetic wipers, pens and magnets
- Suspended on an aluminium stand with four castors for mobility
- Complete with pen tray to store pens
- Aluminium frame makes for durable product

| Size (mm) | Order Code OFI-836 |
|---|---|
| 1200 x 900 | -0360K |
| 1500 x 1200 | -0370K |

## KENNEDY® Oxygen Regulators

Designed with 2 gauges to indicate cylinder contents and outlet pressure.

**4.0 Bar Oxygen Regulator**
Full 300 bar capacity.

**10.0 Bar Oxygen Regulator**
Full 300 bar capacity.

Bottom entry design, which is suited for top outlet cylinder valves. Fitted with ¼" parallel threaded gauges, standard ⅜" BSP outlet and ⅝" BSP inlet connections.

| Rating | Order Code KEN-884 |
|---|---|
| 10.0 Bar | -4120K |
| 4.0 Bar | -4140K |

## KENNEDY® Argon & Acetylene Regulators

Designed with two gauges to indicate cylinder contents and outlet pressure. Argon regulator outlet gauge is calibrated for flow 0 - 35lpm. Acetylene regulator has a calibrated flow rate of 0 - 1.5 bar with a full 250 bar capacity.

**Features:**
Flow rates up to 80m³/h (2824 ft³/h) 300 bar capability.
Features 2 gauges displaying cylinder contents and pressure.
Bottom entry design suited for top outlet cylinder valves.

Fitted with ¼" parallel threaded gauges.
Fitted with standard ⅜" BSP outlet.
Fitted with ⅝" BSP inlet connections.

| Gas Type | Order Code KEN-884 |
|---|---|
| Acetylene | -4200K |
| Argon | -4300K |


# THE ULTIMATE AIR GRINDER FOR EVERY SPACE

Elevate your work with Kobe's ultra-compact air grinder. Designed for precision and power in tight spaces.

Ideal for grinding, polishing, and deburring, this versatile tool ensures flawless results every time. Choose Kobe for unmatched performance and redefine your standards.

**Power. Precision. Perfection.**

KOBE™

# ARC WELDER ACCESSORIES & SPARES



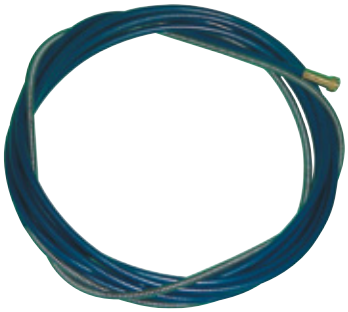
## KENNEDY® Twist Grip Short Stub Electrode Holders

Reduce fatigue and increase safety. All of the electrode is available for use and the angle allows the hand to remain away from the weld pool. The handle applies torque to the electrode clamp in the head.

| Rating (Amps) | Handle Colour | Order Code KEN-885 |
|---|---|---|
| 400 | Yellow | -6010K |
| 400 | Red | -6110K |
| 600 | Orange | -6130K |

## KENNEDY® Euro Connection MIG Welding Torch Liners

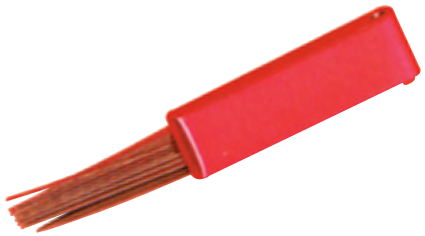
A blocked MIG torch lining can very often be the cause of annoying wire feed problems with your machine. Copper particles from the coating of the MIG wire, surface rust and general workshop dust can soon cause blockages and start to cause problematic wire feed. Purchasing and replacing your torch liner regularly combats this problem and ensures a smooth operation. Available in a range of specifications to suit your needs, the products are suited for use with steel wire.



| Length (m) | Colour | Order Code KEN-883 |
|---|---|---|
| 3 | Blue | -7010K |
| 4 | Blue | -7020K |
| 3 | Red | -7040K |
| 4 | Red | -7050K |

## KENNEDY® Nozzle Cleaner Set

Prolongs the life of gas welding and cutting nozzles. High strength, needle type files housed in an anodised aluminium flip-up pocket case.



| Product Number | Weight each | Order Code KEN-883 |
|---|---|---|
| 1216 | 20g | -2500K |

## KENNEDY® MIG Torch Accessories

### Contact Tips & Tip Adaptors

**MB15**

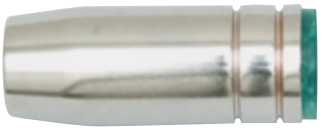
**MB25**

Compatible with Parweld and Binzel Torches.

| For Torch Number | For Wire Size (mm) | Order Code KEN-883 |
|---|---|---|
| 154 | 0.8 | -7240K |
| | 1.0 | -7360K |
| MTE | 0.8 | -7200K |
| | 0.8 H.Duty | -7220K |
| 254/ | 1.0 | -7300K |
| 364 | 1.0 H.Duty | -7320K |
| | 1.2 | -7400K |
| MTE 254 | Tip Adaptor | -7500K |

### Nozzles

**Conical**

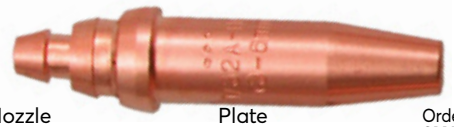


**Tapered**

| For Torch Number | Style | Order Code KEN-883 |
|---|---|---|
| MTE154 | Conical | -7600K |
| MTE154 | Conical | -7610K |
| MTE154 | Tapered | -7640K |
| MTD364 | Conical | -7620K |

## SWP ANM Cutting Nozzles

Acetylene nozzle mix can be used with the majority of popular cutting torches. Plate thickness refers to mild steel.



| Nozzle Diameter | Plate Thickness | Order Code SWP-883 |
|---|---|---|
| 3/64" | 12mm | -1193N |
| 1/16" | 75mm | -1194N |
| 5/64" | 100mm | -1195N |
| 3/32" | 150mm | -1196N |

## SWP PNM Cutting Nozzles

75mm long propane nozzle mix can be used with the majority of popular cutting torches.

| Nozzle Diameter | Plate Thickness | Order Code SWP-883 |
|---|---|---|
| 3/64" | 12mm | -1205N |
| 1/16" | 75mm | -1206N |

## KENNEDY Torch Bodies

Made from tough ABS plastic with a silicone rubber head for greater heat resistance and durability.

| Product Number | Type & Size | Order Code KEN-885 |
|---|---|---|
| WP17 | WP17 Standard torch body | **-6500K** |
| WP18 | WP18 Standard torch body | **-6520K** |
| WP26 | WP26 Standard torch body | **-6540K** |
| WP17FX | WP17 Flexi torch body | **-6510K** |
| WP26FX | WP26 Flexi torch body | **-6550K** |

## Back Caps

BIN**57Y**_ _ To suit WP17/18/26 torches.

| Product Number | To Suit | Order Code KEN-885 |
|---|---|---|
| **57Y**04 | Short | **-7710K** |
| **57Y**02 | Long | **-7700K** |

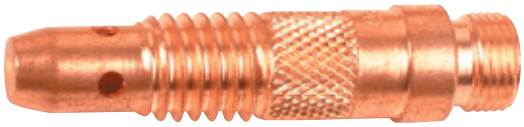
## Collets

**10N**_ _ To suit WP17/18/26 torches.

| Product Number | Bore Size | Order Code KEN-885 |
|---|---|---|
| **10N**22 | 1.0mm (0.040") | **-7210K** |
| **10N**23 | 1.6mm (1/16") | **-7220K** |
| **10N**24 | 2.4mm (3/32") | **-7230K** |
| **10N**25 | 3.2mm (1/8") | **-7240K** |

## Collet Bodies

**10N**_ _ To suit WP17/18/26 torches.



| Product Number | Bore Size | Order Code KEN-885 |
|---|---|---|
| **10N**30 | 1.0mm (0.040") | **-7260K** |
| **10N**31 | 1.6mm (1/16") | **-7270K** |
| **10N**32 | 2.4mm (3/32") | **-7280K** |
| **10N**28 | 3.2mm (1/8") | **-7250K** |

## Gas Lens Body

**45V**24/25/26/27
To suit WP17/18/26 torches.

| Product Number | Bore Size | Order Code KEN-885 |
|---|---|---|
| **45V**24 | 1.0mm (0.040") | **-7500K** |
| **45V**25 | 1.6mm (1/16") | **-7510K** |
| **45V**26 | 2.4mm (3/32") | **-7520K** |
| **45V**27 | 3.2mm (1/8") | **-7530K** |

## Ceramic Cups - Standard Length

**10N**_ _ To suit WP17/18/26 torches.

| Product Number | Bore Size | Order Code KEN-885 |
|---|---|---|
| **10N**50 | 1/4" (No. 4) | **-7360K** |
| **10N**49 | 5/16" (No. 5) | **-7350K** |
| **10N**48 | 3/8" (No. 6) | **-7340K** |
| **10N**47 | 7/16" (No. 7) | **-7330K** |
| **10N**46 | 1/2" (No. 8) | **-7320K** |
| **10N**45 | 5/8" (No. 10) | **-7310K** |
| **10N**44 | 3/4" (No. 12) | **-7300K** |

## Gas Lens Ceramics

**54N**_ _ To suit WP17/18/26 torches.

| Product Number | Bore Size | Order Code KEN-885 |
|---|---|---|
| **54N**18 | 1/4" (No. 4) | **-7640K** |
| **54N**17 | 5/16" (No. 5) | **-7630K** |
| **54N**16 | 3/8" (No. 6) | **-7620K** |
| **54N**15 | 7/16" (No. 7) | **-7610K** |
| **54N**14 | 1/2" (No. 8) | **-7600K** |
| **54N**19 | 5/8" (No. 10) | **-7650K** |

## Gas Lens Heatshield

**54N**01



| Product Number | Order Code KEN-885 |
|---|---|
| **54N**01 | **-7560K** |

## KENNEDY AC/DC TIG Welding Spares Kit

Can be used in AC or DC processes. Excellent arc starts at low amperages, popular in such applications as orbital tube and pipe manufacturing, thin sheet metal work or jobs where small and delicate parts are welded. Like thoriated electrodes, they are best used to weld carbon and stainless steels, nickel alloys and titanium. Suitable for WP17, 18 and 26 TIG torches.

**Contents:**
5x 1.6mm collets,
5x 1.6mm collet bodies,
5x 2.4mm collets,
5x 2.4mm collet bodies,
2x No.4 ceramic cups,
2x No.5 ceramic cups,
2x No.6 ceramic cups,
2x No.7 ceramic cups,
2x No.8 ceramic cups,
1x long back cap,
1x short back cap,
1x 1.6mm ceriated grey tungsten electrode,
1x 2.4mm ceriated grey tungsten electrode.

34 PIECES

| Suitable For | Order Code KEN-885 |
|---|---|
| WP17, 18 & 26 TIG torches | **-3400K** |

## KENNEDY® Electrodes for Mild Steels 6013

FOR MILD STEEL & C-Mn STEEL

Arc welding rods for mild steel and medium tensile steels.
Medium rutile coated, all positional rods.

**Applications:** for steel plate and strip including structural steels and pipe work, especially under site conditions. Superb finish with self-releasing slag.
**N.B.** Suitable for AC (50V minimum open circuit) and DC +/-.

Group 880

Kennedy AWS 6013 mild steel electrodes are manufactured to the following standards:
**Lloyds certificates: BGK0610002/01, BGK0610002/02 & MATS/THA-1002/12/1.**
**ABS certificates: BG575520-X3, BG575520-X2, BG575520-X4, BG575520-X5 & BG575520-X6.**

**Recommended Amperages**

| Size (mm) | 2.5 | 3.2 | 4.0 |
|---|---|---|---|
| Min. | 70A | 95A | 130A |
| Max. | 100A | 125A | 170A |

| | Size (mm) | | No. of Rods (per pack) | Weight (per pack) | Order Code KEN-891 |
|---|---|---|---|---|---|
| 2.50 | x | 300 | 260 | 5.0kg | **-3010K** |
| 3.25 | x | 350 | 150 | 5.0kg | **-3020K** |
| 4.00 | x | 350 | 100 | 5.0kg | **-3030K** |

## KENNEDY® Electrodes For Cast Iron S-NFC

A Graphite coated iron-nickel alloy electrode for high strength jointing of cast iron and cold welding of cast iron, it deposits 95%Ni + 2%Fe weldmetal. Can be used for repairing broken cast iron, joining of cast iron to steel and building up worn parts.
Meets the following standards:

AWS A 5.15 E Ni-C1
Din 8573 E Ni BG 11.

FOR CAST IRON

| Type | Size (mm) | Recommended Amperage | Order Code KEN-891 |
|---|---|---|---|
| - | 2.5 | 70A | **-1220K** |
| S-NFC | 3.2 | 100A | **-1230K** |
| - | 4.0 | 145A | **-1240K** |

# ARC WELDING ELECTRODES

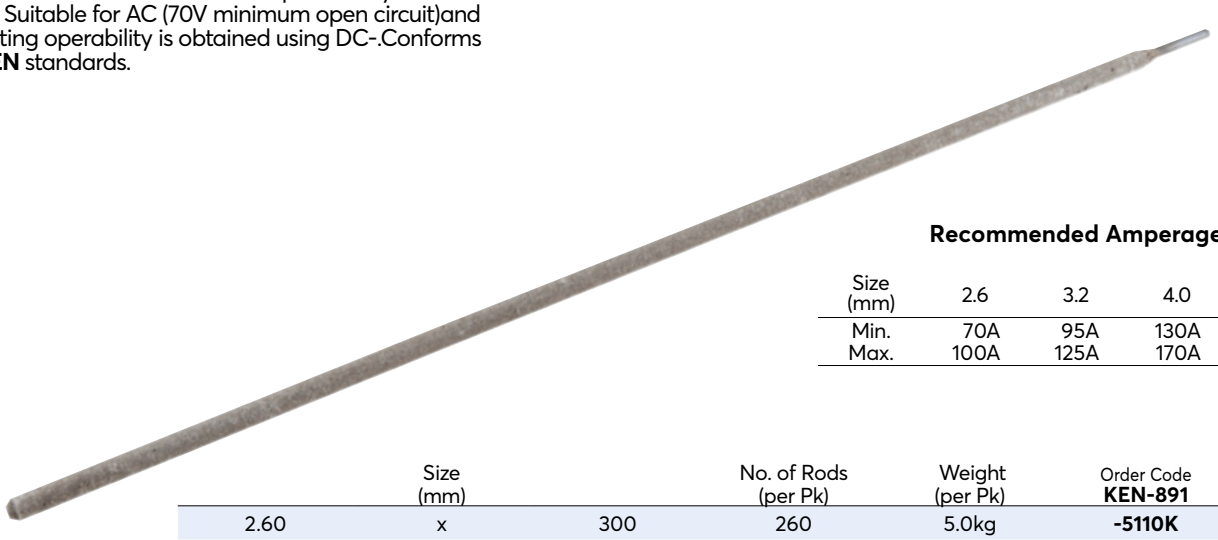
## KENNEDY Electrodes for Mild Steels

**E7018 ('Low Hydrogen')**

FOR MILD STEEL & C-Mn STEEL

Basic coated, all positional rods.

**Applications:** for steel plate structural steels, pipe work and forgings. Ideal for repairs of casting and machinery, compensate for dilution effect of poor steels. Often used where rutile deposits may be at risk from cracking. **N.B.** Suitable for AC (70V minimum open circuit)and DC+. Optimum rooting operability is obtained using DC-.Conforms with **AWS** and **BS EN** standards.



**Recommended Amperages**

| Size (mm) | 2.6 | 3.2 | 4.0 |
|---|---|---|---|
| Min. | 70A | 95A | 130A |
| Max. | 100A | 125A | 170A |

| | Size (mm) | | No. of Rods (per Pk) | Weight (per Pk) | Order Code **KEN-891** |
|---|---|---|---|---|---|
| 2.60 | x | 300 | 260 | 5.0kg | **-5110K** |
| 3.20 | x | 350 | 150 | 5.0kg | **-5120K** |
| 4.00 | x | 450 | 100 | 5.0kg | **-5130K** |

## KENNEDY PVC Welding Curtains

With snap-fasteners on both sides for joining to obtain total width. Supplied with reinforced holes in the upper edge and steel suspension rings. Made of pliable, self-extinguishing PVC material with flash point 320 - 390°C. **EN1598** for welding.

| Colour | Size W x H (mm) | Order Code **KEN-885** |
|---|---|---|
| Dark Green Reinforced | 1300 x 1800 | **-8640K** |
| Amber Hi-Vis | 1300 x 1800 | **-8740K** |
| Dark Green Reinforced | 1300 x 2400 | **-8660K** |
| Green Polished | 1300 x 2400 | **-8960K** |
| Dark Green Reinforced | 1300 x 2800 | **-8680K** |
| Green Polished | 1300 x 1800 | **-8940K** |
| Amber Hi-Vis | 1400 x 2400 | **-8780K** |

## EDISON LED Under Bonnet Worklight

- 30 LEDs
- Detachable Worklight
- Extendable Frame
- Foam covered mounting brackets
- 100-240V adapter
- 12V dc car cigarette plug
- Two sets of magnets
- 360° swivel/hanging hooks
- Hands-free applications
- Battery: Li-ion

| MPN | Lumens lm | Order Code **EDI-904** |
|---|---|---|
| EBW230 | 900 | **-1630H** |

## EDISON LED Inspection Worklight

- 5W COB as worklight + 1 LED as a torch
- Beam range: 20m
- Run time: 8 hours
- ABS plastic with rubberised finish
- Foldaway handle hook
- Magnetic base
- Impact resistance: 1m
- 360° Swivel handle
- Battery: 3 x AA (not included)
- IPX4

| MPN | Lumen | Order Code **EDI-904** |
|---|---|---|
| EIW005 | 160 | **-5180K** |

## EDISON Rechargeable LED Worklight

- 5W COB as worklight + 1 LED as a torch
- Beam range: 20m
- Run time: 3-4 hours
- Charging time: 5-6 hours
- Impact resistance: 1m
- ABS plastic with rubberised finish
- USB and micro USB ports
- Includes USB charging cable
- Foldaway hanging hooks
- Integrated magnetic base
- IPx4

| MPN lm | Lumens lm | Order Code **EDI-904** |
|---|---|---|
| ERW005 | 160 | **-5120K** |

## EDISON Rechargeable LED Torch

**ELRS002**
Featuring 2 million candle power, super bright 1W front LED light, side LED tube light and two position handle.

- 90 Lumens
- Beam distance: 75m
- Run time: up to 6hrs (main)
- Run time: up to 30hrs (side)
- Length: 220mm
- Weight: 912g
- Battery type: 4V Lead acid
- Supplied with main charger and in-car charger

| Lumens lm | Beam Distance m | Order Code **EDI-904** |
|---|---|---|
| 90 | 75 | **-1070K** |

## EDISON LED Aluminium Torch

**EAT010**

- 10W CREE LED
- 600 Lumens
- Beam range: 140m
- Run time: 8 hours
- Corrosion-resistant anodised finish
- Impact resistance: 1m
- Battery: 3 x C (not included)
- IPX4

| Lumens lm | Beam Distance | Order Code **EDI-904** |
|---|---|---|
| 600 | 140m | **-5020K** |

## EDISON Rechargeable LED Inspection Lamp

- 3W COB as worklight + 1 LED as a torch
- Operating time up to 4.5 hours
- Charging times: 4-5 hours
- ABS plastic with rubberised finish
- Magnetic base
- 360° Swivel hanging hooks
- IP20

| Lumens lm | Order Code **EDI-904** |
|---|---|
| 300 | **-1626H** |

# TORCHES

## EDISON LED Rubber Waterproof Torches

**EWT003**
- 3W CREE LED
- Beam range: 110m
- Run time: 16hrs
- Durable TPE rubber
- Impact resistance: 1m
- Battery: 2 x D (not included)
- IP Rating: IPx7

| MPN | Lumens lm | Beam Distance | Order Code **EDI-904** |
|---|---|---|---|
| EWT003 | 150 | 110m | **-5200K** |

## EDISON LED Pen Light

- Max. lumens: 40
- Beam range: 30m
- Run time: 20 hours
- Battery: 2x AAA (not included)
- Non rechargeable
- IPX4 rated

| Lumens lm | Beam Distance | Order Code **EDI-904** |
|---|---|---|
| 40 | 30m | **-5050K** |

## EDISON Rechargeable Head Torch

**ERH120**
- Cree XPE LED
- Beam range: 115m
- Aluminium head
- Plastic body
- Modes: 100% on, 50% on and flashing
- Includes USB cable for charging
- Battery: Li-ion
- IPX4

| MPN | Lumens lm | Beam Distance | Order Code **EDI-904** |
|---|---|---|---|
| ERH120 | 120 | 115m | **-5080K** |

## EDISON LED Headband Torch

**EHT012**
- 35 Lumens
- Beam range: 20m
- Run time: 8 hours
- 4 Lighting modes
- Impact resistance: 1m
- Battery: 3 x AAA (not included)
- IPX4

| MPN | Lumens lm | Beam Distance | Order Code **EDI-904** |
|---|---|---|---|
| EHT012 | 35 | 20m | **-5060K** |

# HAND WIRE BRUSHES



## KENNEDY Twisted Wire Tube Brushes

- Twisted wire handle for hand use
- For industrial maintenance, agricultural, workshop, machinery etc.
- For decarbonising and heavy duty cleaning use of tubes, struts, awkward places etc.

Steel

Brass

| Bristle Material | Diameter | Brush Length | Overall Length | Order Code KEN-906 |
|---|---|---|---|---|
| Steel | 10mm | 100mm | 215mm | -1030K |
| | 15mm | 105mm | 215mm | -1050K |
| | 20 | 100mm | 210mm | -1060K |
| | 25mm | 100mm | 215mm | -1100K |
| | 30mm | 80mm | 210mm | -1120K |
| Brass | 6mm | 75mm | 300mm | -1620K |
| | 10mm | | | -1630K |
| | - | | | -1640K |
| | 16mm | | | -1650K |
| | 19mm | | | -1660K |
| | 25mm | | | -1700K |

## KENNEDY 7 Piece Set Contents:

- Steel tube brushes: 1x 10, 15, 20, 25 and 30mm diameter
- Nylon slimline brushes: 1x curved and 1x straight

| Order Code KEN-906 |
|---|
| -9010K |

## KENNEDY 6mm Plain Shank

- For use in power tools

| Bristle Material | Diameter | Brush Length | Overall Length | Order Code KEN-906 |
|---|---|---|---|---|
| Steel | 15mm | 60mm | 100mm | -1250K |
| | 20mm | | 103mm | -1260K |
| | 25mm | | 120mm | -1300K |
| | 30mm | | 115mm | -1320K |
| | 35mm | | 110mm | -1330K |
| Stainless Steel | 15mm | 60mm | 100mm | -1450K |
| | 20mm | 60mm | 100mm | -1460K |
| | 25mm | 70mm | 120mm | -1500K |
| | 30mm | 65mm | 120mm | -1520K |
| | 35mm | 60mm | 120mm | -1530K |
| Set of 10 - 1 each of the above | | | | -9020K |

## COTSWOLD Wire Scratch Brushes

### Steel Bristles

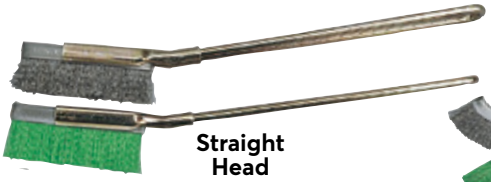
- Cast steel bristles to remove paint, rust, dirt and stubborn deposits
- Plastic ergonomical handle design for hand comfort
- Hole on the end of the handle for easy storage

*With scraper

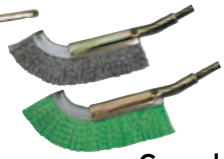
| Number of Rows | Order Code COT-906 |
|---|---|
| 2 | -6200K |
| 3 | -6300K |
| 4 | -6400K |
| 4* | -6450K |
| 5 | -6500K |

## KENNEDY Slimline Brushes

- Plain metal handles, with steel wire or nylon bristle filling
- Suitable for heavy duty cleaning and decarbonising



Straight Head



Curved Head

| Head Shape | Bristle Material | Head Length | Order Code KEN-906 |
|---|---|---|---|
| Straight | Steel | 50mm | -1800K |
| | Nylon | | -1850K |
| Curved | Steel | 70mm | -1900K |
| | Nylon | | -1950K |

## KENNEDY Wire Scratch Brushes

- Designed for cleaning all rough surfaces on a variety of materials to remove paint, dirt, rust and stubborn deposits
- Hardwood stocks and cast steel bristles

Steel

Stainless Steel

Brass

* With scraper

| Bristle Material | Number of Rows | Order Code KEN-906 |
|---|---|---|
| Steel | 2 | -6200K |
| | 3 | -6300K |
| | 4 | -6400K |
| | 4* | -6450K |
| Stainless Steel | 2 | -8200K |
| | 3 | -8300K |
| | 4 | -8400K |
| Brass | 2 | -7200K |
| | 3 | -7300K |
| | 4 | -7400K |

# MULTI-PURPOSE TOOLS

## KENNEDY Industrial Maintenance Brushes

Ideal for a wide variety of tasks around the workshop, home and for use when applying creosote, cleaners and degreasers etc. Wooden handles with pure bristles.

**Set contents:**
**4 off each:** 12mm (½"), 25mm (1") and 50mm (2");
**1 off each:** 75mm (3") and 100mm (4").

| Size | Weight each | Order Code KEN-907 |
|---|---|---|
| ½" | 13g | -0210K |
| 1" | 23g | -0250K |
| 1½" | 39g | -0270K |
| 2" | 47g | -0290K |
| 2½" | 63g | -0310K |
| 3" | 76g | -0330K |
| 4" | 100g | -0350K |

| Number of Pieces | Weight each | Order Code KEN-907 |
|---|---|---|
| 14 | 200g | -0400K |

## COTSWOLD BRUSHWARE & CLEANING Paper Hanging Brushes

Polished wooden handle. Soft pure bristles. For smoothing out air bubbles when hanging wallpaper.

| Size (mm) | Bristle Length | Order Code COT-907 |
|---|---|---|
| 205 | 50mm | -1600K |

## COTSWOLD BRUSHWARE & CLEANING Tar Brushes

For use with tar, creosote, whitewash etc.
All with 80mm (3⅛") heads.

**Short handle length:**
300mm (12").

| Weight each | Order Code COT-907 |
|---|---|
| 130g | -1010K |

## COTSWOLD BRUSHWARE & CLEANING Cotswold Pure Bristle Wall Brushes

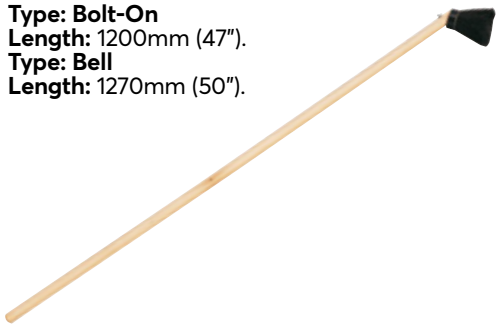
Polished wooden handles with soft natural bristles. Hanging hole for storage.

| Size (mm) | Weight each | Order Code COT-907 |
|---|---|---|
| 150 (6") | 170g | -1540K |

## COTSWOLD BRUSHWARE & CLEANING Striker Brushes

For use with tar, creosote, whitewash etc.
All with 80mm (3⅛") heads.

**Type: Bolt-On**
**Length:** 1200mm (47").
**Type: Bell**
**Length:** 1270mm (50").



**Bell Type**

| Type | Weight each | Order Code COT-907 |
|---|---|---|
| Bell | 420g | -1050K |

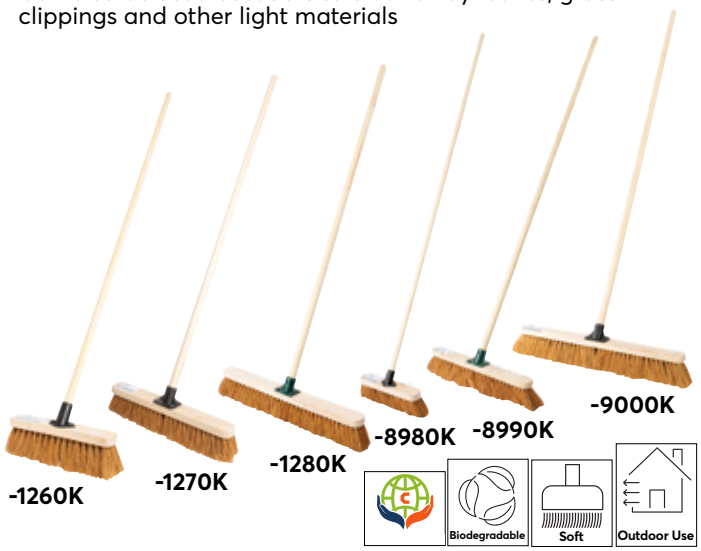
## COTSWOLD BRUSHWARE & CLEANING Tar Bucket

10ltr galvanised 'V' lipped bucket with hooped top for extra strength.
With side handle.

| Capacity | Weight each | Order Code COT-907 |
|---|---|---|
| 10ltr | 1.90kg | -4100K |

## Soft Coco Brooms

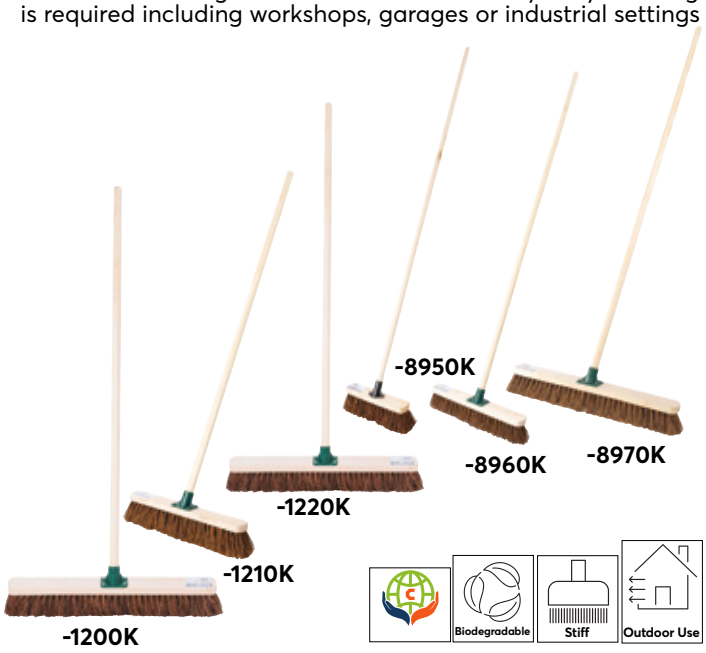
- Soft and flexible bristles are ideal for indoor sweeping on surfaces such as hardwood floors, tiles, laminate or linoleum without scratching or damaging the flooring
- Suitable for sweeping light debris such as sawdust, shavings and scattered materials from workshop or garage floors
- Can also be used outdoors to clear away leaves, grass clippings and other light materials




| Broom Head Width | Handle Length | Order Code COT-907 |
|---|---|---|
| 12in. | 48in. | -1260K |
| 18in. | 48in. | -1270K |
| 24in. | 48in. | -1280K |
| 12in. | 60in. | -8980K |
| 18in. | 60in. | -8990K |
| 24in. | 60in. | -9000K |

## Stiff Bassine Brooms

- Designed for more robust cleaning tasks that require the removal of tough dirt, grime or debris
- Stiffer bristles are ideal for outdoor cleaning tasks to loosen stubborn dirt on concrete surfaces, pathways, driveways etc
- Ideal for scrubbing floors in areas where heavy-duty cleaning is required including workshops, garages or industrial settings




| Broom Head Width | Handle Length | Order Code COT-907 |
|---|---|---|
| 12in. | 48in. | -1200K |
| 18in. | 48in. | -1210K |
| 24in. | 48in. | -1220K |
| 12in. | 60in. | -8950K |
| 18in. | 60in. | -8960K |
| 24in. | 60in. | -8970K |

## Cotswold Hand Brush Wood, 11in

- An essential tool for use around the garden or on site
- Ideal for a range of tasks
- Manufactured from natural wood

Outdoor Use

| Bristle Type | Order Code COT-907 |
|---|---|
| Soft Coco | -0770K |
| Stiff Bassine | -0720K |

## Car Wash Brush

**Major**
Extra wide for commercial vehicle use.

| Order Code COT-907 |
|---|
| -1140K |

## Floor Care

See our range

Scan the QR code

# BROOMS & DUSTPANS



## Heavy Duty Dustpan & Brush

### Plastic

- Wooden handle brush with stiff bristles for a more powerful clean
- Rubber lip on the pan ensures all dirt is picked up first time saving time
- Plastic pan has a deep back to retain collected debris and prevent dirt falling out when in use
- Serrated edge on the pan to enable dirt to be removed easily from the hand brush
- Pan dimensions - 330 x 250 x 90mm

Stiff

Outdoor Use

| Order Code COT-907 |
|---|
| -4560K |

## Hooded Dustpan

### Metal

- Riveted metal construction
- Loop handle
- Hooded design
- Width: 335mm

Outdoor Use

| Order Code COT-907 |
|---|
| -4670K |

## Hand Shovel

### Metal

- Strong metal hand shovel suitable for low to medium use
- Easy to grip 23cm straight robust wooden handle
- Wide blade size 21 x 26cm for effortless collection
- Handle length: 230mm.

Outdoor Use

| Order Code COT-907 |
|---|
| -4710K |

## Addis super-dry wringable mop

Lightweight handle with manual wringing mechanism. Equipped with a sponge mop head.

| Type | Handle length (mm) | Order Code COT-907 |
|---|---|---|
| Superdry™ | 1250 | -2600K |

## Cotswold Nail Brushes

- 90mm long
- Stiff bristles on both sides
- For cleaning both hands and nails

-8850K

-8880K

| Material | Order Code COT-907 |
|---|---|
| Plastic | -8820K |
| Wooden | -8880K |

## Long-handled plastic dustpan with cleaning brush

The angled head and extra-long 980 mm handle allows for cleaning without bending. Plastic bristles. Snaps together for storage, and the edge of the dustpan has a rubber lip.

| Colour | Handle length (mm) | Order Code COT-907 |
|---|---|---|
| Black Red White | 980 | -4650K |

## Broom handle holder

Fits all brooms mentioned above. The head can be secured with two 10 x 3/4" Pozidrive screws included in the package.

| Type | Order Code COT-907 |
|---|---|
| Holder | -2580K |

## Toilet Brush Holder Set

Plastic handle with polypropylene fill. Standard traditional turks head design. Brush and holder set for easy storage.

| Order Code COT-907 |
|---|
| -2560K |

## Galvanised Heavy Duty Mop Bucket

Heavy duty galvanised steel mop bucket with perforated drainer.

**Width:** 240mm.
**Length:** 330mm.
**Height:** 230mm.

| Capacity | Order Code COT-907 |
|---|---|
| 13.5ltr | -4210K |

## Mop Handles

This robust, multi-purpose Kentucky style mop handle is designed to achieve effective and powerful cleaning.

- Durable handle for multi-purpose use
- Easily attaches to mop heads for quick replacement
- Choice of metal or wooden handle to suit your needs

| Type | Length (mm) | Order Code COT-907 |
|---|---|---|
| Aluminium | 1250 | -2680K |
| Beech | 1270 | -3500K |

## Rectangular Squeeze Bucket

Impact resistant polypropylene.
Colours may vary.

| Size (W x L x H) | Order Code COT-907 |
|---|---|
| 260 x 360 x 270mm | -4220K |

## Water Bucket, 15ltr, Black

- Water level gradient markings to monitor water usage
- Durable metal handle for easy transport
- Metal loop for convenient hanging when working at a height
- Strong but lightweight
- Easy to clean smooth surfaces

| Capacity | Order Code COT-907 |
|---|---|
| 15ltr | -4360K |

## Complete Mops

With pure yarn heads

| Size | Length | Weight each | Order Code COT-907 |
|---|---|---|---|
| No.10 | 122cm (48") | 540g | -9050K |
| No.10 | 152cm (60") | 650g | -9060K |
| No.12 | 122cm (48") | 540g | -9100K |
| No.12 | 152cm (60") | 650g | -9110K |

## Replacement Socket Mop Heads

For wet use. Highly absorbent. Pure yarn. Galvanised socket.

| Size | Weight each | Order Code COT-907 |
|---|---|---|
| No.10 | 140g | -8900K |
| No.12 | 170g | -8910K |

# PLASTERING TOOLS



## KENNEDY® Builder's Buckets

**Capacity:** 13.5ltr (3gal.)
**Plastic:** medium 'V' lip.
**Rubatype:**
Large 'V' lip.
All rubber.

**Rubatype**

**Plastic**

| Type | Weight each | Order Code KEN-907 |
|---|---|---|
| Plastic | 0.55kg | **-8030K** |
| Rubatype | 2.10kg | **-8130K** |

## KENNEDY® 15ltr Invincible Yellow Builder's Bucket

Filling scale inside. Five year guarantee.

| Capacity | Order Code KEN-907 |
|---|---|
| 15ltr | **-8300K** |

## COTSWOLD BRUSHWARE & CLEANING Catering Scourers

General-purpose scouring pad for cleaning and washing up.
**Pad size:** 230 x 150mm.

| Pack Quantity | Order Code COT-907 |
|---|---|
| 10 | **-2400K** |

## COTSWOLD BRUSHWARE & CLEANING Lambswool Window Washers

Lightweight impact resistant plastic handle, with replaceable and washable non-scratch lambs wool sleeve.

Can be fitted to a telescopic extension handle.

| Size | Order Code COT-907 |
|---|---|
| 355mm (14") | **-3860K** |
| 457mm (18") | **-3880K** |

## COTSWOLD BRUSHWARE & CLEANING Stainless Steel Squeegees

For rapidly removing water from windows for a smear-free finish. Ribbed rubber hand grip, will not slip when wet. Can be fitted to telescopic extension. Spring loaded blade retention allows handle to be positioned anywhere along its length.

Replaceable rubber blades.

| Blade Length | Order Code COT-907 |
|---|---|
| 300mm (12") | **-3800K** |
| 450mm (18") | **-3820K** |
| **Replacement Squeegee Blade** | |
| 300mm (12") | **-3830K** |
| 450mm (18") | **-3840K** |

## COTSWOLD BRUSHWARE & CLEANING Rectangular Bucket

Ideal for use with window washers and squeegees.

| Size (W x L x H) | Order Code COT-907 |
|---|---|
| 370 x 170 x 240mm | **-4300K** |

## KENNEDY® Genuine Chamois Leather

**Size:** 600 x 300mm.

| Weight each | Order Code KEN-907 |
|---|---|
| 60g | -4130K |

## COTSWOLD BRUSHWARE & CLEANING Cotton Dishcloths

Bleached white 2-ply cotton dishcloths with sewn colour-coded edges for the elimination of cross-contamination. Supplied in packs of 10.

**Size:** 300 x 360mm.

| Colour | Order Code COT-907 |
|---|---|
| Blue | -2430K |

## COTSWOLD BRUSHWARE & CLEANING Premium Microfibre Cloths

Non-abrasive cloths that dust, shine and much more.

**Size:** 40 x 40cm.

| Colour | Order Code COT-907 |
|---|---|
| Blue (56g) | -6963K |

## COTSWOLD BRUSHWARE & CLEANING Economy Microfibre Cloths

- Colour coded to reduce cross-contamination
- Multi-purpose; can be used dry or dampened with water or cleanser
- Super absorbent for mopping up spills

**Size:** 40 x 40cm.

| Colour | Order Code COT-907 |
|---|---|
| Blue (36g) | -6962K |

## KENNEDY® Yarn Floor Cloths

**Pack of 10, 48 x 46cm**

- General-purpose open knit mixed fibre floor cloth
- Lightweight at 49g

| Order Code KEN-907 |
|---|
| -4040K |

## KENNEDY® Duster

**Pack of 1, 51 x 40cm**

- 100% cotton
- Perfect for hand dusting delicate items
- Machine washable

| Order Code KEN-907 |
|---|
| -4090K |

## KENNEDY® Stockinette Roll

**Pack of 1 Roll, 800 x 30cm**

- 100% natural cotton material for strength and durability
- Can be cut to size to make multiple cloths
- A cost-effective cleaning solution

| Order Code KEN-907 |
|---|
| -4050K |

## KENNEDY® Tea Towels

- Absorbent cotton towel for drying up or wiping up spills
- Soft and comfortable to use
- Machine washable for hygienic reuse

| Order Code KEN-907 |
|---|
| -4070K |

# SACKS



## Woven Polypropylene Sacks

Made from polypropylene that has been woven in two directions to form a breathable, lightweight fabric sack, these products are an economical way of storing a host of materials such as grains, seeds, vegetables, logs and dry store products. High in strength and tear resistant, these products are an economical way to effectively store and transport bulky and heavy objects. Supplied in a neutral white colour and available in a variety of sizes and are fully recyclable.

| Length | Width | Order Code AVN-918 |
|---|---|---|
| 12in. | 9in. | **-0020K** |
| 18in. | 12in. | **-0030K** |
| 20in. | 15in. | **-0040K** |
| 24in. | 18in. | **-0050K** |
| 40in. | 24in. | **-0060K** |

## AVON Refuse Sacks

Heavy duty bags bulk packed for industrial use.

**Dimensions:** 46 x 74 x 100cm (18" x 29" x 39").

90 LTR

97% RECYCLED

| Colour | Thickness (Gauge) | Pack Qty | Order Code AVN-918 |
|---|---|---|---|
| Black | 140 | 200 | **-0150K** |

## Plastic & Galvanised Dustbins

80ltr capacity. Designed for domestic and commercial use. Plastic bins are not suitable for use with hot ashes or large, sharp swarfs.

**Diameter:** 450mm.

| Type | Weight each | Order Code KEN-907 |
|---|---|---|
| Plastic | 2.8kg | **-9050K** |
| Galvanised | 4.1kg | **-9000K** |

## AVON Black Extra Large Sacks

**Dimensions (W x L x H)** 457x737x965mm

PACK OF 200

| Thickness (Gauge) | Order Code AVN-918 |
|---|---|
| 150 | **-0551R** |

## T-Shirt Wipers
### Multi Coloured, 10kg

- Medium duty soft absorbent wiper
- Manufactured from recycled t-shirts

Order Code
SOL-930
-1060K

## Sheeting Wipers
### White 10kg

- High quality soft low-lint wiper Manufactured from quality bed sheets

Order Code
SOL-930
-1420K

## Wipers
### Multi Coloured, 10kg

- A highly absorbent heavy duty wiper
- Manufactured from recycled Coloured towelling

Order Code
SOL-930
-1250K

## Wipers
### White, 10kg

- High quality and versatile white wiper.
- Manufactured from recycled white fabrics

Order Code
SOL-930
-1100K

## Sheet Wipers
### Multi Színed, 10kg

- Light Weight Színed cotton wiper
- ManufactuPiros from recycled Színed bed sheets

Order Code
SOL-930
-1150K

## Economy Wipers
### Multi Coloured 10kg

- Manufactured from recycled mixed clothing

Order Code
SOL-930
-1000K

## Sweatshirt Wipers
### Multi Coloured, 10kg

- Heavy duty soft absorbent wiper
- Manufactured from recycled sweatshirt

Order Code
SOL-930
-1200K

## Engineers Performance Folded Wiper
### White, 250 sheets per box

- Sheet size: 27 x 36cm
- Designed for high-performance cleaning, and are capable of removing the thickest of grease and grime

Order Code
SOL-930
-3000K

# WIPES & MULTI-PURPOSE CLOTHS



## SOLENT CLEANING & HYGIENE Medium Duty Wipes

Coloured cotton/corduroy wipes. Manufactured from recycled material.

| Grade | Colour | Pack Weight | Order Code SOL-930 |
|---|---|---|---|
| Medium | Multi | 10kg | -1030K |

## SOLENT CLEANING & HYGIENE Multi-Purpose Cloths

- Grade 2
- Recycled cloths for sustainability
- Multicoloured general purpose cloths

| Material | Weight | Order Code SOL-930 |
|---|---|---|
| Recycled cotton and cotton mix | 10kg | -1050K |

## Find us online

Navigating our website is made simple and easy to use. Optimised search and comparison for quick product selection.

Check product availability with ease. Once you've found your desired item, just click on it to see if it's in stock. Our real-time updates will let you know instantly if it's available for purchase.

Stay informed on pricing. List price shown making it easy for you to make purchasing decision.

Access detailed product information. For those who crave more knowledge, we provide comprehensive descriptions and downloadable technical documents to give you all the information you need to make an informed decision.

## MATLOCK Aluminium Folding Platform Steps

Made from strong lightweight aluminium with non-slip treads and platform. Available in 3 and 4 step versions and featuring safety rail. Manufactured to **EN131** and able to handle a maximum load of 150kg.

**3 Tread - overall height including safety rail:**
**Opened:** 1234mm.
**Platform height:** 629mm.

**4 Tread - overall height including safety rail:**
**Opened:** 1452mm.
**Platform height:** 847mm.

| Product Number | No. of Treads | Platform Height | Order Code **MTL-939** |
|---|---|---|---|
| MFP03 | 3 | 629mm | **-5830K** |
| MFP04 | 4 | 847mm | **-5840K** |

## MATLOCK Folding Aluminium Handy Steps

Strong & sturdy folding aluminium steps.
Large (365W x 242D mm) durable platform for safe & comfortable standing. Ideal for use in many environments. Featuring strengthening braces & supports straps.

**Load capacity:** 150kg.
FS253Z certified to **EN 14183**
FS369Z certified to **EN 131**

| Model | No. of Treads | Overall Size Open mm | Overall Size Folded mm | Weight each | Order Code **MTL-939** |
|---|---|---|---|---|---|
| FS253Z | 2 | 443 x 416 x 439 | 490 x 416 x 164 | 2.5kg | **-2020K** |
| FS369Z | 3 | 649 x 441 x 596 | 720 x 441 x 164 | 3.5kg | **-2030K** |

SENATOR® QUALITY TOOLING

**Built to Perform.**
**Designed to Last.**

**Engineered to excel and crafted to endure, tool after tool. Includes an extensive range of products from Tool Kits and Socket Sets to Hammers and Tool Chests.**

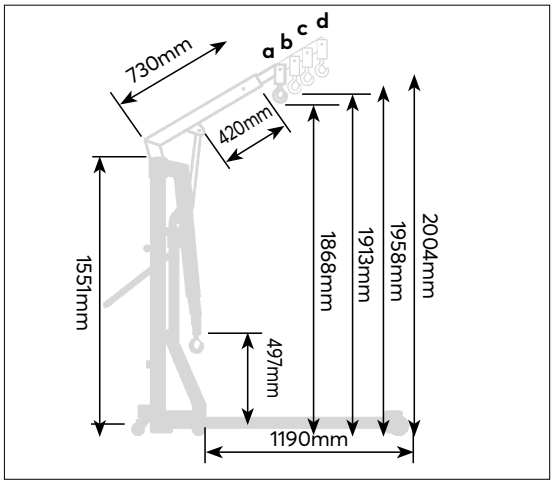
## KENNEDY® Identity Discs

Suitable for all identification uses component/batch/labelling, store/user tracking, key identification etc. 30mm outside diameter.

| Type | Material | Weight (kg) Per 100 | Order Code **KEN-937** |
|---|---|---|---|
| Plain (Single) | Alum. | 0.5 | **-1030K** |
| | Brass | 2.5 | **-2030K** |
| (Pack of 100) | Alum. | 0.5 | **-1130K** |
| | Brass | 2.5 | **-2130K** |

## KENNEDY® Folding Mobile Crane

Ideal for home workshops or garages. Folding design for easy storage and transportation. Flow control valve for precise lowering and positioning. Overload safety valve. Hydraulic operation providing easy lifting. Heavy duty swivel hook with safety latch. Four different jib options. Heavy duty castors.



**Model number** . . . . . FMC001.
**Lifting capacity position (a)** . . . . . 1,000kg.
**Lifting capacity position (b)** . . . . . 750kg.
**Lifting capacity position (c)** . . . . . 500kg.
**Lifting capacity position (d)** . . . . . 250kg.
**Maximum lifting height at minimum jib extension** . 1868mm.
**Maximum lifting height at maximum jib extension** 2004mm.
**Length of jib in position (a)** . . . . . 865mm.
**Length of jib in position (b)** . . . . . 955mm.
**Length of jib in position (c)** . . . . . 1045mm.
**Length of jib in position (d)** . . . . . 1135mm.
**Clearance height of legs** . . . . . 130mm.

1 tonne (metric ton or t) = 1000kg
1 ton (imperial ton) = 2240lbs (1016kg)
**Length of frame** . . . . . .1480mm.
**Overall clearance height** . . . . . .1555mm.
**Maximum width of frame** . . . . . .1000mm.
**Distance between rear wheel centres** . . . . . .640mm.
**Weight** . . . . . .91kg.

| Model Number | Capacity | Max Hook Height (mm) | Weight each | Order Code **KEN-941** |
|---|---|---|---|---|
| FMC001 | 1 Tonne | 2004 | 91kg | **-3670K** |


# PRECISION POWER FOR EVERY JOB

Do not compromise. Choose Kobe for unparalleled performance and reliability. Your projects deserve nothing less than the best.

Ready to take your work to the next level? Discover the Kobe difference today and experience excellence at your fingertips!

**Power. Precision. Perfection.**

KOBE™

## ATLAS Light Duty Pressed Steel Castors

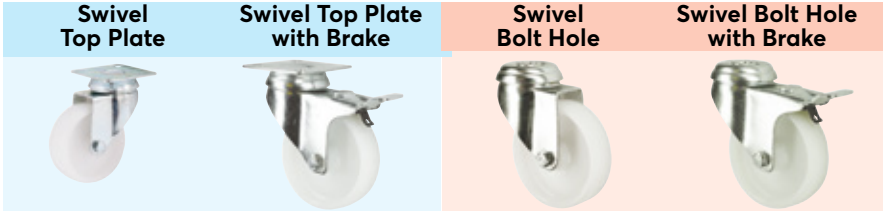
A range of pressed steel castors for general light duty industrial or institutional applications. Available top plate or bolt hole fixing and with the option of total-stop brake.
**Ideal for use with Furniture, Light Apparatus, Catering Equipment, Point Of Sale Display and Garment Rails.**

* Slotted fixing hole, choice of fixing hole centres

| Top Plate Fixing | | | | | Bolt Hole Fixing | |
|---|---|---|---|---|---|---|
| Wheel Diameter | Overall Height | Plate Dim | Fixing Hole Centres | To Suit Fixing Bolt | Overall Height | To suit Fixing Bolt |
| 50 | 69.5 | 60 x 60 | 38 x 38 & 48 x 48 | M6 | 68 | M10 |
| 75 | 100 | 60 x 60 | 38 x 38 & 48 x 48 | M6 | 98 | M10 |
| 100 | 134 | 76 x 76 | 52 x 52 & 58 x 58 | M8 | 131.5 | M10 |
| 125 | 155.5 | 76 x 76 | 52 x 52 x 58 x 58 | M8 | 153 | M10 |

### ATLAS Polypropylene - Plain Bearing

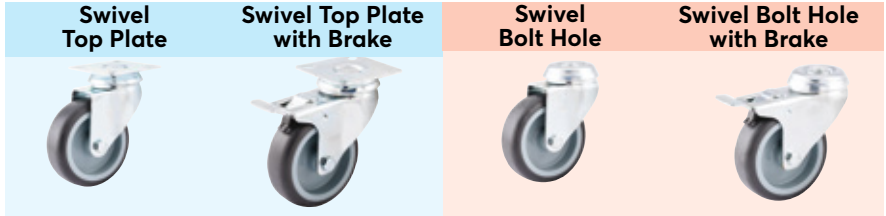
Cost effective hard wearing polypropylene wheeled castor with a wide range of general applications and ease of movement.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|
| 50 | 20 | 50 | -0210K | -0240K | -0280K | -0270K |
| 75 | 25 | 70 | -0212K | -0202K | -0282K | -0272K |
| 100 | 27 | 80 | -0214K | -0204K | -0284K | -0274K |
| 125 | 27 | 100 | -0216K | -0206K | -0286K | -0276K |

### ATLAS Rubber Non-marking Tyred Wheel with Nylon Centre - Plain Bearing

Rubber non-marking tyred castor that slightly cushion the ride and protect flooring.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|
| 50 | 20 | 50 | -0250K | -0200K | -0310K | -0300K |
| 75 | 25 | 70 | -0252K | -0242K | -0312K | -0302K |
| 100 | 27 | 80 | -0254K | -0244K | -0314K | -0304K |
| 125 | 27 | 100 | -0256K | -0246K | -0316K | -0306K |

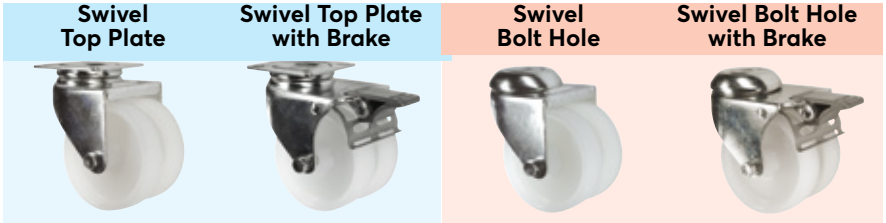
## ATLAS Light Duty Twin Wheel Pressed Steel Castors

A range of twin wheel pressed steel castors for general light duty industrial or institutional applications. Available top plate or bolt hole fixing and with the option of total-stop brake.
**Well suited for Furniture, Light Apparatus, Catering Equipment, Point Of Sale Display and Garment Rails.**

| Top Plate Fixing | | | | | Bolt Hole Fixing | |
|---|---|---|---|---|---|---|
| Wheel Diameter | Overall Height | Plate Dim | Fixing Hole Centres | To Suit Fixing Bolt | Overall Height | To suit Fixing Bolt |
| 50 | 71 | 60 x 60 | 38 x 38 & 48 x 48 | M6 | 71 | M10 |
| 75 | 103 | 60 x 60 | 38 x 38 & 48 x 48 | M6 | 100 | M10 |

### ATLAS Polypropylene - Plain Bearing

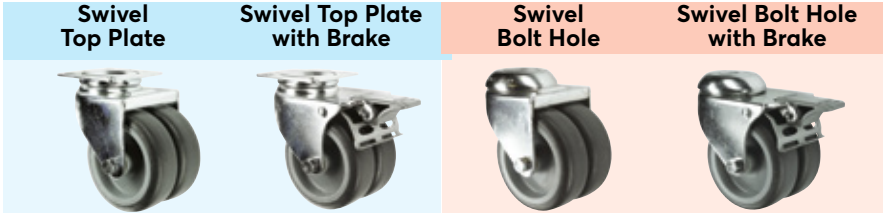
Cost effective hard wearing polypropylene wheeled castor with a wide range of general applications and ease of movement.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|
| 50 | 20 x 2 | 80 | -0350K | -0340K | -0410K | -0440K |
| 75 | 25 x 2 | 100 | -0352K | -0342K | -0412K | -0402K |

### ATLAS Rubber Non-marking Tyred Wheel with Nylon Centre - Plain Bearing

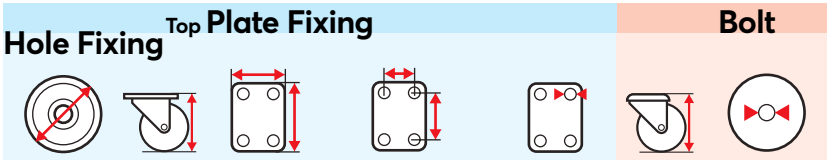
Rubber non-marking tyred castor that slightly cushion the ride and protect flooring.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|
| 50 | 20 x 2 | 80 | -0380K | -0370K | -0430K | - |
| 75 | 25 x 2 | 100 | -0382K | -0372K | -0442K | -0432K |

## ATLAS Light to Medium Duty Pressed Steel Castors

A range of pressed steel castors for general light to medium duty industrial or institutional applications. Available top plate or bolt hole fixing and with the option of total-stop brake. **For use with Furniture, Catering Equipment and Hospital equipment.**




| Wheel Diameter | Overall Height | Plate Size | Fixing Hole Centres | To Suit Fixing Bolt | Overall Height | To suit Fixing Bolt |
|---|---|---|---|---|---|---|
| 75 | 105 | 105 x 80 | 105 x 80 & 72 x 52 | M8 | 102 | M12 |
| 100 | 130 | 105 x 80 | 105 x 80 & 72 x 52 | M8 | 128 | M12 |
| 125 | 156 | 105 x 80 | 105 x 80 & 72 x 52 | M8 | 155 | M12 |

* Slotted fixing hole, choice of fixing hole centres

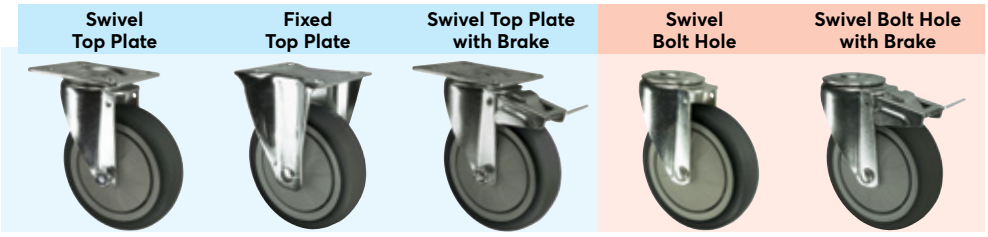
## ATLAS Nylon Wheel - Ball Journal Bearing

A slightly rounded nylon tyred wheeled castor complete with ball bearing to greatly assist in manoeuvrability.

| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 75 | 30 | 100 | -0472K | -0462K | - | -0642K | -0632K |
| 100 | 30 | 150 | -0474K | -0464K | -0454K | -0644K | -0634K |
| 125 | 30 | 170 | -0476K | -0466K | -0456K | -0646K | -0636K |

## ATLAS Grey Thermoplastic Tyred Wheel with Nylon Centre - Ball Journal Bearing

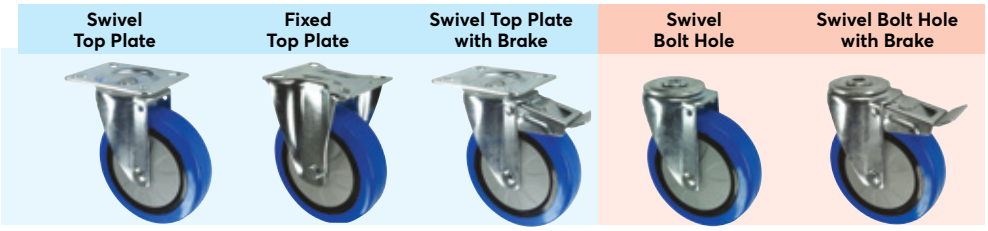
Grey non-marking thermoplastic rubber tyred wheeled castor complete with ball bearing to assist in manoeuvrability.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 75 | 30 | 80 | -0512K | -0502K | -0492K | -0682K | -0672K |
| 100 | 30 | 100 | -0514K | -0504K | -0494K | -0684K | -0674K |
| 125 | 30 | 120 | -0516K | -0506K | -0496K | -0686K | -0676K |

## ATLAS Blue Rubber Tyred Wheel with Nylon Centre - Ball Journal Bearing

Blue non-marking elastic rubber tyred wheeled castor complete with ball bearing.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 75 | 30 | 100 | -0562K | -0552K | -0542K | -0712K | -0702K |
| 100 | 30 | 120 | -0564K | -0554K | -0544K | -0714K | - |
| 125 | 30 | 140 | -0566K | -0556K | -0546K | -0716K | -0706K |

## ATLAS Polyurethane Tyred Wheel with Nylon Centre - Ball Journal Bearing

Hard wearing polyurethane tyred wheeled castors with ball bearing to give a low rolling resistance.

| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 75 | 30 | 100 | -0612K | -0602K | -0592K | -0752K | -0742K |
| 100 | 30 | 120 | - | -0604K | -0594K | -0754K | -0744K |
| 125 | 30 | 140 | -0616K | -0606K | - | -0756K | -0746K |

## ATLAS Medium Duty Pressed Steel Castors

A range of pressed steel castors for general medium duty industrial applications. Available top plate or bolt hole fixing and with the option of total-stop brake.
**Ideal for use with Industrial Truck and Trollies, Kitting Trollies, Flat Bed Trucks and General Internal Factory applications.**

| Top Plate Fixing | | | | | | Bolt Hole Fixing | |
|---|---|---|---|---|---|---|---|
| Wheel Diameter | Overall Height | Plate Dim Swivel | Plate Dim Fixed | Fixing Hole Centres | To Suit Fixing Bolt | Overall Height | To suit Fixing Bolt |
| 80 | 105 | 105 x 80 | 102 x 87 | 80 x 60 & 77 x 60 | M8 | 105 | M12 |
| 100 | 125 | 105 x 80 | 102 x 87 | 80 x 60 & 77 x 60 | M8 | 128 | M12 |
| 125 | 155 | 105 x 80 | 102 x 87 | 80 x 60 & 77 x 60 | M8 | 155 | M12 |
| 160 | 195 | 135 x 105 | 135 x 114 | 105 x 80 & 105 75 | M10 | 195 | M12 |
| 200 | 235 | 135 x 105 | 135 x 114 | 105 x 80 & 105 x 75 | M10 | 235 | M12 |

* Slotted fixing hole, choice of fixing hole centres

## ATLAS Nylon Wheel - Roller Bearing

Versatile and widely used nylon wheeled castors complete with needle roller bearing wheels.

| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 80 | 32 | 150 | -0846K | -0826K | -0806K | -1746K | -1726K |
| 100 | 32 | 150 | -0848K | -0828K | -0808K | -1748K | -1728K |
| 125 | 32 | 200 | -0850K | -0830K | -0810K | -1750K | -1730K |
| 160 | 45 | 350 | -0852K | -0832K | -0812K | - | -1732K |
| 200 | 50 | 400 | -0854K | -0834K | -0814K | -1754K | - |

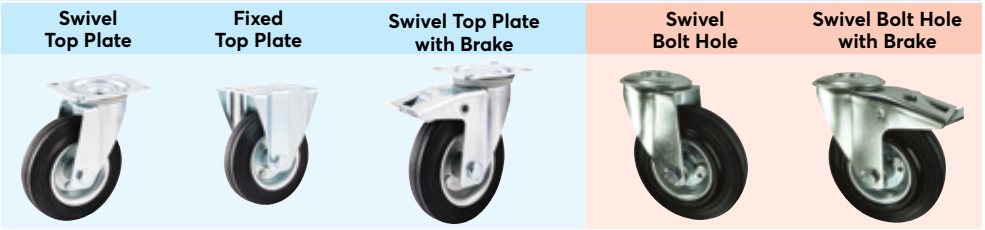
## ATLAS Black Rubber Tyred Wheel with Polypropylene Centre - Roller Bearing

Nylon centred Industrial black rubber tyred wheeled castors complete with needle roller bearing wheels.

| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 80 | 30 | 50 | -0926K | -0906K | -0886K | -1806K | -1786K |
| 100 | 30 | 70 | -0928K | -0908K | -0888K | -1808K | -1788K |
| 125 | 37 | 100 | -0930K | -0910K | -0890K | -1810K | -1790K |
| 160 | 40 | 135 | - | -0912K | -0892K | - | -1792K |
| 200 | 50 | 205 | -0934K | -1304K | -1324K | - | -1794K |

## ATLAS Black Rubber Tyred Wheel with Pressed Steel Centre - Roller Bearing

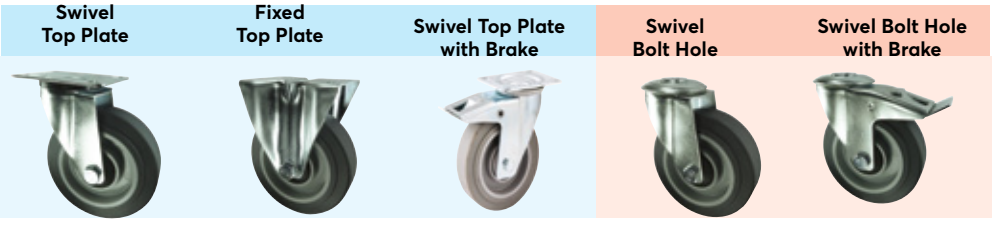
Steel centred Industrial black rubber tyred wheeled castors complete with needle roller bearing wheels.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 80 | 30 | 50 | -1446K | -1426K | -1406K | - | -1846K |
| 100 | 30 | 70 | -1448K | -1428K | -1408K | -1868K | -1848K |
| 125 | 37 | 100 | -1450K | -1430K | -1410K | -1870K | -1850K |
| 160 | 40 | 135 | -1452K | -1432K | -1412K | - | -1852K |
| 200 | 50 | 205 | -1454K | -1434K | -1414K | -1874K | -1854K |

## ATLAS Grey Rubber Tyred Wheel with Nylon Centre - Ball Journal Bearing

Grey elastic rubber tyred wheeled castors with ball journal bearing for a smooth movement of equipment.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 80 | 32 | 70 | -1526K | -1506K | -1486K | -1916K | - |
| 100 | 35 | 125 | -1528K | -1508K | -1488K | -1918K | -1898K |
| 125 | 40 | 160 | -1530K | -1510K | -1490K | -1920K | -1900K |
| 160 | 45 | 200 | -1532K | -1512K | -1492K | - | - |
| 200 | 45 | 200 | -1534K | -1514K | -1494K | - | - |

## ATLAS Medium Duty Pressed Steel Castors Continued

**Blue Rubber Tyred Wheel with Nylon Centre - Ball Journal Bearing**

Blue elastic rubber tyred wheeled castors with ball journal bearing for a smooth movement of equipment.

| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Swivel Top Plate Order Code ATL-945 | Fixed Top Plate Order Code ATL-945 | Swivel Top Plate with Brake Order Code ATL-945 | Swivel Bolt Hole Order Code ATL-945 | Swivel Bolt Hole with Brake Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 80 | 32 | 70 | -1606K | -1586K | -1566K | -1966K | -1946K |
| 100 | 32 | 125 | -1608K | -1588K | -1568K | -1968K | -1948K |
| 125 | 32 | 160 | -1612K | -1590K | -1570K | -1970K | -1950K |
| 160 | 45 | 200 | -1614K | -1592K | -1572K | - | - |
| 200 | 45 | 200 | - | - | -1574K | - | -1954K |

## ATLAS Red Polyurethane Tyred Wheel with Nylon Centre - Roller Bearing

Durable polyurethane tyred wheeled castors, non marking and protective of flooring.

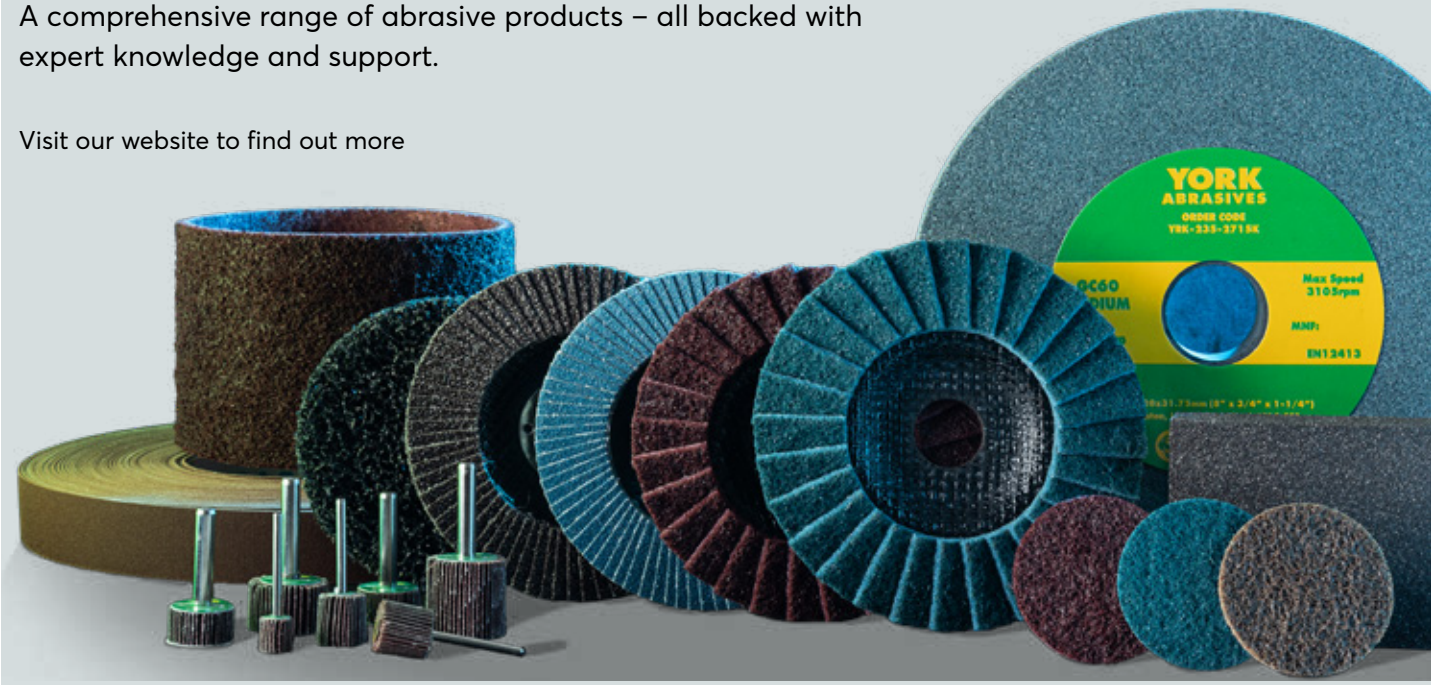
| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Swivel Top Plate Order Code ATL-945 | Fixed Top Plate Order Code ATL-945 | Swivel Top Plate with Brake Order Code ATL-945 | Swivel Bolt Hole Order Code ATL-945 | Swivel Bolt Hole with Brake Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 80 | 32 | 150 | -1686K | -1666K | -1646K | -2476K | -2456K |
| 100 | 32 | 150 | -1688K | -1668K | -1648K | -2478K | -2458K |
| 125 | 32 | 200 | -1690K | -1670K | -1650K | -2480K | -2460K |
| 160 | 45 | 350 | -1692K | -1672K | -1652K | -2482K | - |
| 200 | 50 | 400 | -1694K | -1674K | -1654K | -2484K | -2464K |


# From start to finish

Your No. 1 choice for abrasive supplies

A comprehensive range of abrasive products – all backed with expert knowledge and support.

Visit our website to find out more




Keeping Industry Working™

## ATLAS Heavy Duty Pressed Steel Castors

A range of pressed steel castors for heavy duty industrial applications. Available top plate fixing and with the option of total-stop brake.
**Ideal for Lineside, Automotive, and Airside applications.**

* Slotted fixing hole where choice of fixing hole centres offered

### Top Plate Fixing

| Wheel Diameter | Overall Height | Plate Size | Fixing Hole Centres | To suit Fixing Bolt |
|---|---|---|---|---|
| 100 | 135 | 100 x 85 | 80 x 60 | M8 |
| 125 | 166 | 135 x 110 | 105 x 80 & 105 x 75 | M8 |
| 150 | 189 | 135 x 110 | 105 x 80 & 105 x 75 | M12 |
| 160 | 216 | 135 x 110 | 105 x 80 & 105 x 75 | M12 |
| 200 | 251 | 135 x 110 | 105 x 80 & 105 x 75 | M12 |

### Black Rubber Tyred Wheel withAluminium Centre - Ball Journal Bearing

Black rubber tyred wheeled castors with ball journal bearing, suitable for towing applications.

| Swivel Top Plate | Fixed Top Plate | Swivel Top Plate with Brake |
|---|---|---|
| | | |

| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|
| 100 | 40 | 160 | - | -6278K | -6258K |
| 200 | 50 | 400 | - | -6284K | - |

### ATLAS Yellow Polyurethane Tyred Wheel with Aluminium Centre - Ball Journal Bearing

Polyurethane tyred wheeled castors with ball journal bearing, suitable for towing applications.

| Swivel Top Plate | Fixed Top Plate | Swivel Top Plate with Brake |
|---|---|---|
| | | |

| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|
| 160 | 50 | 600 | -6382K | - | -6342K |

### ATLAS Yellow Polyurethane Tyred Wheel with Cast Iron Centre - Ball Journal Bearing

Polyurethane tyred, cast iron centred wheeled castors with ball journal bearing, suitable for towing applications in tough situations.

| Swivel Top Plate | Fixed Top Plate | Swivel Top Plate with Brake |
|---|---|---|
| | | |

| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|
| 125 | 40 | 450 | - | -6440K | -6420K |
| 160 | 40 | 800 | - | -6442K | -6422K |

**Can't see what you need? Other sizes and styles are available...**

**...contact us for technical advice and further information**

## ATLAS Stainless Steel Castors

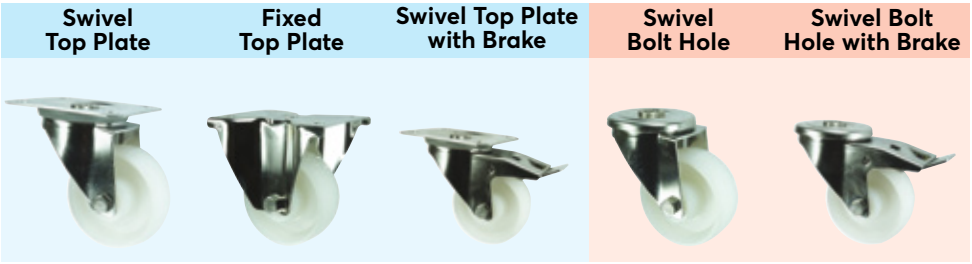
A range of stainless steel castors for corrosive conditions.
Available top plate or bolt hole fixing and with the option of total-stop brake. Swivel castors are fitted with a swivel head seal.
Ideal for use in Catering, Food production, Medical, Pharmaceutical and General Wash-down applications.

| Top Plate Fixing | | | | | Bolt Hole Fixing | |
|---|---|---|---|---|---|---|
| Wheel Diameter | Overall Height | Plate Dim | Fixing Hole Centres | To suit Fixing Bolt | Overall Height | To Suit Fixing Bolt |
| 80 | 106 | 102 x 83 | 80 x 60 & 76 x 55 | M8 | 106 | M12 |
| 100 | 128 | 102 x 83 | 80 x 60 & 76 x 55 | M8 | 128 | M12 |
| 125 | 154 | 102 x 83 | 80 x 60 & 76 x 55 | M8 | 154 | M12 |
| 150 | 181 | 135 x 110 | 105 x 80 & 105 x 75 | M10 | | |
| 200 | 240 | 135 x 110 | 105 x 80 & 105 x 75 | M10 | | |

* Slotted fixing hole, choice of fixing hole centres

## ATLAS Nylon Wheel - Plain Bore (80, 100 & 125mm) Roller Bearing (150 & 200mm)

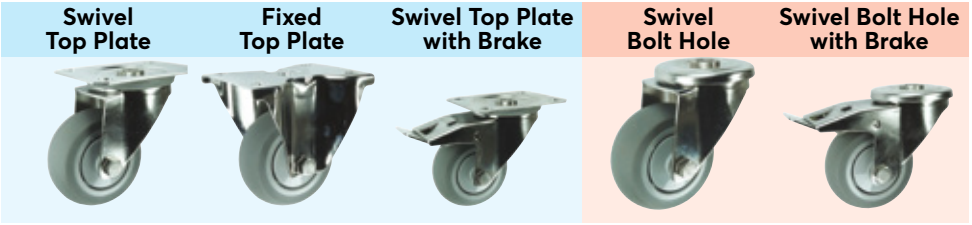
Popular nylon wheeled stainless steel castors suitable for washdown.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 80 | 32 | 150 | -7400K | -7400E | -7400A | -7402A | -7401X |
| 100 | 32 | 150 | -7400L | -7400F | - | -7402B | -7401Y |
| 125 | 32 | 200 | -7400M | -7400G | -7400B | -7402C | -7401Z |
| 150 | 45 | 350 | -7400N | -7400H | -7400C | - | - |
| 200 | 50 | 400 | -7400P | -7400J | -7400D | - | - |

## ATLAS Grey Rubber Tyred Wheel with Polypropylene Centre - Plain Bore (80, 100 & 125mm) Roller Bearing (150 & 200mm)

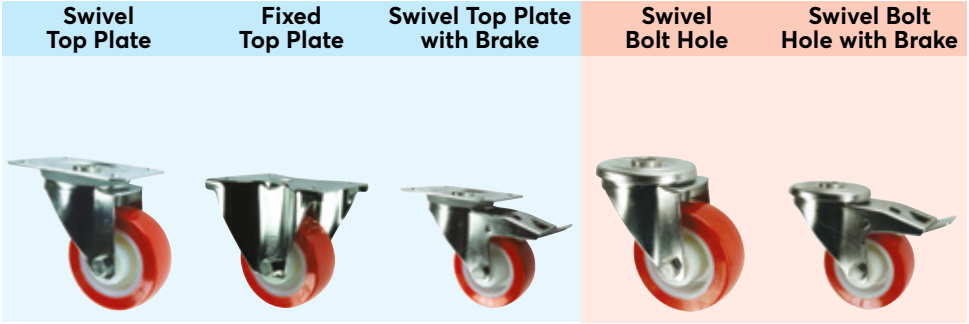
Popular nylon wheeled stainless steel castors suitable for washdown.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 80 | 32 | 70 | -7401B | -7400W | -7400Q | -7402G | -7402D |
| 100 | 32 | 125 | -7401C | -7400X | -7400R | -7402H | -7402E |
| 125 | 32 | 160 | -7401D | -7400Y | -7400S | -7402J | -7402F |
| 150 | 45 | 200 | -7401E | -7400Z | -7400T | - | - |
| 200 | 45 | 200 | -7401F | -7401A | -7400V | - | - |

## ATLAS Orange Polyurethane Tyred Wheel with Nylon Centre - Plain Bore (80, 100 & 125mm) Roller Bearing (150 & 200mm)

Polyurethane tyred stainless steel castors widely used and chemical resistant.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 80 | 32 | 150 | -7401R | -7401V | -7401G | -7402N | -7402K |
| 100 | 32 | 150 | -7401S | -7401M | -7401H | -7402P | -7402L |
| 125 | 32 | 200 | -7401T | -7401N | -7401J | -7402Q | -7402M |
| 200 | 50 | 400 | -7401W | -7401Q | -7401L | -7401P | -7401K |

## ATLAS Castors rubber wheels with metal centre a bearings - Swivel Type with screw hole

Smooth operation with higher loads. Suitable for use on most surfaces. Suitable for wet environments where moderate chemicals may be present. Quiet operation with soft tread. We do not recommend their use where mineral or organic acids are present. Operating temperature range -20°C to + 60°C.

| Diameter (mm) | Order Code ATL-945 |
|---|---|
| 80 | -2555K |

## ATLAS Castors rubber wheels with metal centre a bearings - fixed Type with top plate

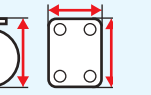
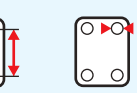
Smooth operation with higher loads. Suitable for use on most surfaces. Suitable for wet environments where moderate chemicals may be present. Quiet operation with soft tread. We do not recommend their use where mineral or organic acids are present. Operating temperature range -20°C to + 60°C.

| Diameter (mm) | Order Code ATL-945 |
|---|---|
| 80 | -1030K |

## ATLAS Twin Wheel Furniture Castors

A range of twin wheel furniture castors with integrated, thumb-wheel operated levelling foot. Available with top plate or thread fixing and with the option of a wheel brake.
**For Furniture, Retail and Office equipment.**

**Atlas Nylon Wheel - Plain Bore**
Standard furniture castors for your general office furniture and equipment.


| | | Top Plate Fixing | | | | | Thread Fixing | |
|---|---|---|---|---|---|---|---|---|
| | | Wheel Diameter | Overall Height | Plate Dim | Fixing Hole Centres | To Suit Fixing Bolt | Overall Height | Fixing Dim |
| 50 | 50 | 65 | 38 x 38 | 25.4 x 25.4 | M4 | 59 | M8 x 15 | |
| 50 (M10 Thread) | 50 | | | | | 59 | M10 x 15 | |

| | | Swivel Top Plate | Swivel Top Plate with Brake | Swivel Thread | Swivel Thread with Brake |
|---|---|---|---|---|---|
| Wheel Dia. (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
| 50 | 50 | -8010K | -8012K | -8014K | -8020K |
| 50 (M10 Thread) | 50 | - | - | -8022K | -8024K |

## ATLAS High Temperature Castors

A range of castors for high temperature conditions. Available top plate or bolt hole fixing and with the option of total-stop brake.
Swivel castors are fitted with a swivel head seal.
Effective range -40°C to +270°C.
**Appropriate for use in Food Processing, Bakery and Autoclave applications.**

* Slotted fixing hole, choice of fixing hole centres

| Top Plate Fixing | | | | | Bolt Hole Fixing | |
|---|---|---|---|---|---|---|
| Wheel Diameter | Overall Height | Plate Dim | Fixing Hole Centres | To suit Fixing Bolt | Overall Height | To Suit Fixing Bolt |
| 80 | 106 | 102 x 83 | 80 x 60 & 76 x 55 | M8 | 106 | M12 |
| 100 | 128 | 102 x 83 | 80 x 60 & 76 x 55 | M8 | 128 | M12 |
| 120 | 160 | 102 x 83 | 80 x 60 & 76 x 55 | M8 | 160 | M12 |

**Thermoplastic Wheel - Plain Bore**
High temperature castors fitted with thermoplastic wheels and high temperature grease.

| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|---|---|
| 80 | 30 | 120 | -7508K | -7468K | - | -9310K | -9300K |
| 100 | 30 | 120 | -7512K | -7470K | -7430K | -9312K | - |
| 125 | 32 | 200 | - | -7472K | - | -9314K | -9304K |

## ATLAS Stainless Steel High Temperature Castors

A range of stainless steel castors for high temperature and corrosive conditions. Available top plate or bolt hole fixing and with the option of total-stop brake. Swivel castors are fitted with a swivel head seal. Effective range -40°C to +270°C.
**Ideal for use in Food Processing, Bakery and Autoclave applications.**

| Top Plate Fixing | | | | | Bolt Hole Fixing | |
|---|---|---|---|---|---|---|
| Wheel Diameter | Overall Height | Plate Dim | Fixing Hole Centres | To suit Fixing Bolt | Overall Height | To Suit Fixing Bolt |
| 80 | 106 | 102 x 83 | 80 x 60 & 76 x 55 | M8 | 106 | M12 |
| 100 | 128 | 102 x 83 | 80 x 60 & 76 x 55 | M8 | 128 | M12 |
| 120 | 160 | 102 x 83 | 80 x 60 & 76 x 55 | M8 | 160 | M14 |

* Slotted fixing hole, choice of fixing hole centres

**Thermoplastic Wheel - Plain Bore**
Stainless steel high temperature castors fitted with thermoplastic wheels and high temperature grease.

| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL945 | Order Code ATL-945 |
|---|---|---|---|---|---|
| 80 | 30 | 150 | -7648K | -7572K | -7668K |
| 100 | 30 | 150 | -7652K | -7670K | - |

## ATLAS Castors with Levelling Foot

A range of castors with integrated, thumb-wheel operated levelling foot. **Ideal for Height Critical Apparatus and Process Packaging equipment.**

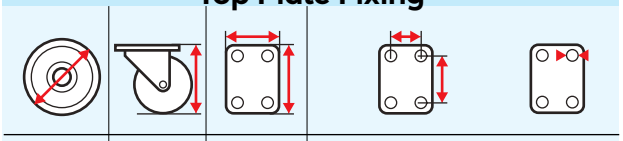
**Nylon Wheel - Plain Bore**
Castor with integrated levelling foot operated by enclosed thumb-wheel.

| Wheel Dia. (mm) | Total Height (mm) | Max Load (kg) | Order Code ATL-945 |
|---|---|---|---|
| 42 | 18 | 50 | -7980K |

## ATLAS Pneumatic Wheeled Castors

A range of pressed steel castors affording protection to floor surface and load. 200mm castors (not shown) have ribbed tread style. 260mm castors (illustrated) have patterned tread. Available top plate fixing and with the option of total-stop brake.
**Well suited for Gas Bottle Handling, Sack Trucks, Agricultural purposes and Sports equipment.**

**Top Plate Fixing**



| Wheel Diameter | Overall Height | Plate Size | Fixing Hole Centres | To suit Fixing Bolt |
|---|---|---|---|---|
| 260 | 235 | 140 x 110 | 105 x 80 & 105 x 75 | M10 |
| 260 | 302 | 200 x 160 | 150 x 115 & 135 x 105 | M12 |

* Slotted fixing hole where choice of fixing hole centres

**Pneumatic Tyred Wheel with Polypropylene Centre - Roller Bearing**
Popular pneumatic tyred wheels with plastic centres.

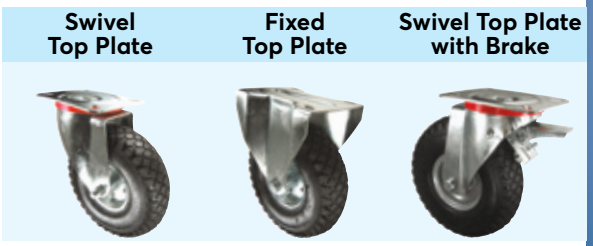
| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|
| 200 | 50 | 75 | -7742K | -7722K | -7702K |
| 260 | 85 | 150 | -7746K | -7726K | -7706K |

**Can't see what you need? Other sizes and styles are available...**

**...contact us for technical advice and further information**

## ATLAS Pneumatic Tyred Wheel with Pressed Steel Centre - Roller Bearing

Popular pneumatic tyred wheels with steel centres.




| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Order Code ATL-945 | Order Code ATL-945 | Order Code ATL-945 |
|---|---|---|---|---|---|
| 200 | 50 | 75 | -7752K | -7732K | -7712K |
| 260 | 85 | 150 | -7756K | -7736K | -7716K |

## ATLAS Rubber Tyred Wheels

A range of rubber tyred wheels. **Ideal for Sack Trucks and Platform Trucks.**

**Cushion Rubber Tyred Wheel with Pressed Steel Centre**
Zinc coated centre, black tyre and roller bearing.

| Wheel Dia. (mm) | Tread Width (mm) | Load Capacity (kg) | Load Capacity (kg) | Bearing Bore | Bearing Type | Order Code ATL-945 |
|---|---|---|---|---|---|---|
| 200 | 50 | 58 | 205 | 25 | Wałek | -8244K |
| 250 | 60 | 75 | 300 | 25 | Wałek | -8246K |
| 300 | 70 | 75 | 300 | 25 | Wałek | -8248K |

## ATLAS Rubber Tyred Wheels Continued

**Cushion Rubber Tyred Wheel with Polypropylene Centre**
Red centre, black tyre and choice of plain or roller bearing.

| Wheel Diameter (mm) | Tread Width (mm) | Hub Width (mm) | Load Capacity (kg) | Bearing Bore | Bearing Type | Order Code ATL-945 |
|---|---|---|---|---|---|---|
| 160 | 40 | 51 | 150 | ½" | Plain | -8050K |
| 160 | 40 | 51 | 150 | ¾" | Plain | -8052K |
| 160 | 40 | 60 | 150 | 1" | Plain | -8056K |
| 160 | 40 | 60 | 150 | 20mm | Plain | -8058K |
| 200 | 47 | 51 | 200 | ½" | Plain | -8070K |
| 200 | 47 | 51 | 200 | ¾" | Plain | -8072K |
| 200 | 47 | 51 | 200 | 1" | Plain | -8074K |
| 200 | 47 | 51 | 200 | 1" | Roller | -8076K |
| 200 | 47 | 60 | 200 | 20mm | Plain | -8078K |
| 200 | 47 | 60 | 200 | 20mm | Roller | -8080K |
| 250 | 60 | 51 | 200 | ¾" | Plain | -8090K |
| 250 | 60 | 51 | 200 | 1" | Roller | -8092K |
| 250 | 60 | 60 | 200 | 20mm | Plain | -8094K |
| 250 | 60 | 60 | 200 | 20mm | Roller | -8096K |
| 250 | 60 | 60 | 200 | 20mm | Roller | -8098K |

## ATLAS Puncture-proof Microcellular Tyred Wheel with Polypropylene Centre

Red centre, black tyre and choice of plain or roller bearing. Light-weight, with benefits of pneumatic tyre but without risk of puncture.

| Wheel Diameter (mm) | Tread Width (mm) | Hub Width (mm) | Load Capacity (kg) | Bearing Bore | Bearing Type | Order Code ATL-945 |
|---|---|---|---|---|---|---|
| 260 | 80 | 75 | 200 | 20mm | Plain | -8400K |
| 260 | 80 | 75 | 200 | 20mm | Roller | -8402K |
| 260 | 80 | 75 | 200 | 25mm | Roller | -8406K |
| 380 | 90 | 65 | 218 | 20mm | Plain | -8420K |
| 380 | 90 | 65 | 218 | 1" | Roller | -8430K |

## ATLAS Pneumatic Tyred Wheel with Polypropylene Centre

220 - 300mm wheels (illustrated) have patterned tread.
355 - 400mm wheels (not shown) have ribbed tread style.
**Tyres:** 4ply, maximum 30psi.

| Wheel Diameter (mm) | Tread Width (mm) | Hub Width (mm) | Load Capacity (kg) | Bearing Bore | Bearing Type | Order Code ATL-945 |
|---|---|---|---|---|---|---|
| 220 | 65 | 70 | 80 | 20mm | Roller | -8452K |
| 220 | 65 | 70 | 80 | 25mm | Plain | -8454K |
| 220 | 65 | 70 | 80 | 1" | Plain | -8458K |
| 260 | 85 | 70 | 120 | 20mm | Plain | -8470K |
| 260 | 85 | 70 | 120 | 20mm | Roller | -8472K |
| 260 | 85 | 70 | 120 | 25mm | Plain | -8474K |
| 260 | 85 | 70 | 120 | 25mm | Roller | -8476K |
| 260 | 85 | 70 | 120 | 1" | Roller | -8480K |
| 300 | 100 | 70 | 150 | 20mm | Simple | -8490K |
| 300 | 100 | 70 | 150 | 20mm | Roller | -8492K |
| 300 | 100 | 70 | 150 | 20mm | Roller | -8496K |
| 355 | 100 | 76 | 185 | 25mm | Simple | -9054K |
| 400 | 100 | 76 | 200 | 20mm | Plain | -9070K |
| 400 | 100 | 76 | 200 | 20mm | Roller | -9072K |

## ATLAS Wide Cushion Rubber Tyred Wheel with Polypropylene Centre

Red centre, black tyre and choice of plain or roller bearing.

| Wheel Diameter (mm) | Tread Width (mm) | Hub Width (mm) | Load Capacity (kg) | Bearing Bore | Bearing Type | Order Code ATL-945 |
|---|---|---|---|---|---|---|
| 200 | 76 | 63 | 250 | 1" | Roller | -8122K |
| 200 | 76 | 63 | 250 | 25mm | Roller | -8124K |
| 200 | 76 | 63 | 250 | 1" | Roller | -8120K |
| 280 | 80 | 75 | 250 | 25mm | Roller | -8134K |
| 330 | 70 | 66 | 250 | 1" | Plain | -8140K |
| 330 | 70 | 75 | 250 | 25mm | Roller | -8144K |
| 355 | 75 | 66 | 300 | 1" | Plain | -8150K |
| 355 | 75 | 75 | 300 | 25mm | Roller | -8154K |
| 405 | 90 | 66 | 300 | 1" | Plain | -8160K |
| 405 | 90 | 75 | 300 | 1" | Roller | -8162K |
| 405 | 90 | 75 | 300 | 25mm | Roller | -8164K |

## ATLAS Wide Cushion Rubber Tyred Wheel with Pressed Steel Centre

Red centre, black tyre and choice of plain, roller or ball bearing.

| Wheel Diameter (mm) | Tread Width (mm) | Hub Width (mm) | Load Capacity (kg) | Bearing Bore | Bearing Type | Order Code ATL-945 |
|---|---|---|---|---|---|---|
| 330 | 70 | 63 | 300 | 1" | Roller | -8302K |
| 400 | 90 | 66 | 700 | 1" | Plain | -8340K |
| 300 | 70 | 63 | 300 | 25mm | Roller | -8304K |
| 350 | 75 | 63 | 400 | 25mm | Roller | -8324K |
| 400 | 90 | 63 | 600 | 25mm | Roller | -8344K |

## ATLAS Pneumatic Tyred Wheel with Pressed Steel Centre

220 - 300mm wheels (illustrated) have patterned tread.
355 - 400mm wheels (not shown) have ribbed tread style.
**Tyres:** 4ply, maximum 30psi.

| Wheel Diameter (mm) | Tread Width (mm) | Hub Width (mm) | Load Capacity (kg) | Bearing Bore | Bearing Type | Order Code ATL-945 |
|---|---|---|---|---|---|---|
| 220 | 65 | 70 | 80 | 25mm | Roller | -9106K |
| 220 | 65 | 70 | 80 | 1" | Plain | -9108K |
| 260 | 85 | 70 | 120 | 20mm | Plain | -9120K |
| 260 | 85 | 70 | 120 | 20mm | Roller | -9122K |
| 260 | 85 | 70 | 120 | 25mm | Roller | -9126K |
| 260 | 85 | 70 | 120 | 1" | Plain | -9128K |
| 300 | 100 | 70 | 150 | 20mm | Roller | -9142K |
| 300 | 100 | 70 | 150 | 1" | Roller | -9150K |
| 355 | 100 | 76 | 185 | 1" | Roller | -9180K |
| 400 | 100 | 76 | 200 | 25mm | Roller | -9196K |
| 400 | 100 | 76 | 200 | 1" | Plain | -9198K |

# Matting

## Take a stand on workplace fatigue

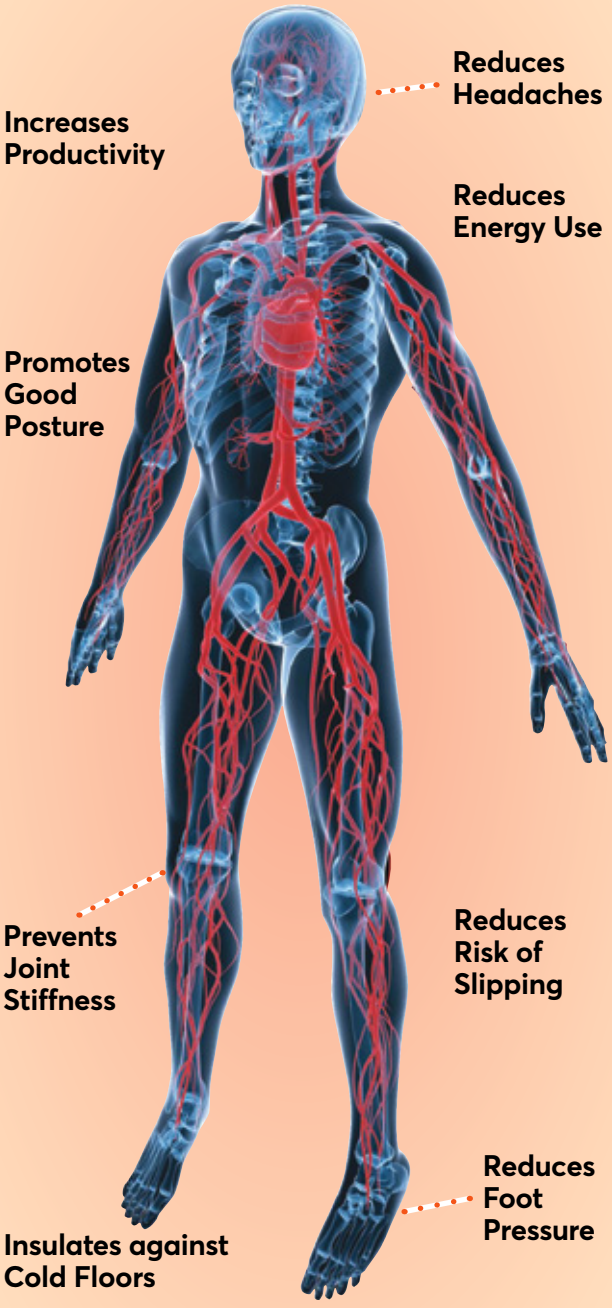
### Anti-Fatigue Mats

The cushioning helps to promote regular foot movement as the feet naturally adapt to the surface of the mat. The movement of muscles contracting and expanding is very subtle but is enough to reduce, or even prevent, the health risks associated with standing. Matting encourages improved circulation and oxygen reaching the heart. It also helps to distribute the pressure over a larger surface area, therefore absorbing some of the impact from standing.

### Anti-Slip Mats

In environments where liquids, chemicals or oils contaminate the floor surface, slip resistant matting can be an economical way to reduce risk. Drainable mats allow liquid to disperse through holes and away from feet.

## Benefits of using Matting




### Fatigue

Many workplace roles require staff to be on their feet for the majority of their shift and some also involve limited amounts of movement. Whilst we now know that sitting for long periods can be bad for our health, not everyone is aware that standing for prolonged periods can have equally devastating long term consequences.

**Anti-Fatigue Matting** can help prevent discomfort and potential long term health issues, whilst benefitting worker well-being.

### What happens when we stand?

- The heart is the central pump. It pumps blood through the vessels and transports oxygen and nutrients
- Arteries carry the blood away from the heart and veins return it back via the 'venous pump'
- The main venous pump is in the calf muscle
- While the foot has many tiny veins, the veins in the legs have one way valves to help blood flow back to the heart against gravity. The blood pushes through the valves and then the valve closes to prevent backward flow
- When we walk, the foot and calf muscles contract which forces the blood up to the heart
- This system is known as the Venous System

### Musculoskeletal Disorders in the Workplace

- Musculoskeletal disorders can affect muscles, joints and tendons in all parts of the body. Most work-related musculoskeletal disorders develop over time.
- Work-related musculoskeletal disorders can develop in an occupational setting due to the physical tasks with which individuals carry out their normal work activities.
- In 2020/21 there were an estimated 470,000 workers affected by work-related musculoskeletal disorders. This represents 1,420 per 100,000 workers, and thus accounts for 28% of all work-related ill health.
- Most of these work-related musculoskeletal disorders affect the upper limb or neck, 45% of all work-related musculoskeletal disorder cases, or the back, 39% of all work-related musculoskeletal disorder cases with the remaining 16% of cases affecting the lower limbs.

***Source: HSE/Labour Force Survey 2021**

# ANTI-FATIGUE & ANTI-SLIP MATTING

## SITESAFE Anti-Fatigue Matting

Standing on a hard floor for prolonged periods without anti-fatigue matting can cause pain and discomfort in the lower legs, feet and back. Fatigue reduces concentration and therefore productivity. Anti-fatigue matting will increase comfort and productivity for workers who stand for long periods and substantially reduces stress, tiredness, aches and pains from standing on hard floors at work. Introducing anti fatigue matting into the workplace can provide staff with a more comfortable environment, which in turn encourages increased efficiency, concentration and productivity.

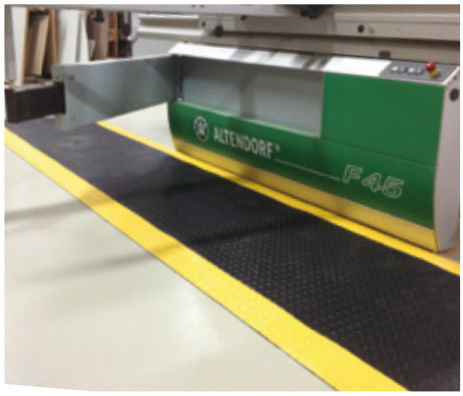
**Work Mat**
Hard-wearing SBR rubber construction. Raised circular surface for superior slip resistance - suitable for wet conditions. Features a moulded bevelled edge to reduce tripping and open drainage holes for spilt liquids. Conforms to Slip Resistance Test **EN13552 Category R10**.

**Colour:** black.
**Thickness:** 10mm.

| Thickness | Size (mm) | Order Code SSF-946 |
|---|---|---|
| 10mm | 800 x 1200 | **-8459E** |
| 10mm | 900 x 1500 | **-8460F** |

**Premium Anti Fatigue Mat**
Heavy duty with 'Diamond Tread' top surface. Comfortable foam backing. Manufactured with two yellow borders and ramped edges all round for additional safety.

**Colour:** black.
**Thickness:** 12.5mm.




| Size (mm) | Order Code SSF-946 |
|---|---|
| 0.9 x 1.5m | **-8716K** |
| 0.9 x 3.0m | **-8719K** |

**Bubble Stand Anti Fatigue Mat**
Ideal for dry environments. Bubble surface stimulates constant foot movement to increase blood circulation. Ramped edges for additional safety.
**Colour:** Black.
**Thickness:** 14mm.

| Size (mm) | Order Code SSF-946 |
|---|---|
| 0.6 x 0.9m | **-8520K** |
| 0.9 x 1.2m | **-8523K** |

## Nitrile Kneeling Pad

See our range

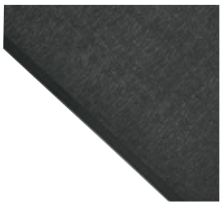
Scan the QR code

# ANTI-FATIGUE & ANTI-SLIP MATTING



## SITESAFE Anti-Fatigue Matting

**Ortho Lite**
Cost effective anti fatigue matting.
Offers the user relief from fatigue caused by standing. Insulates against cold concrete floors. Ideal for use in dry environments.
Pebble surface provides additional traction.

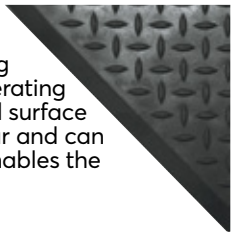


**Colour:** charcoal.
**Thickness:** 6mm.

| Size (mm) | Order Code SSF-946 |
|---|---|
| 900 x 1500 | -5060F |
| 900 x 1820 | -5070H |

## SITESAFE Diamond Zone

Manufactured from extremely hardwearing rubber capable of operating in high temperature environments. Diamond surface provides greater traction with extended wear and can be easily cleaned. Interlocking tile system enables the user to produce any required length.
Also offers insulation against cold floors.



**Colour:** black.
**Thickness:** 12.5mm.

| Thickness | Size (mm) | Order Code SSF-946 |
|---|---|---|
| 12.5mm | 700 x 800 | -2640D |

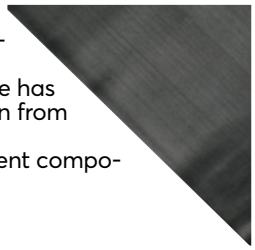
## SITESAFE Knee Saver Mat

Manufactured from a closed cell PVC/nitrile blend. Reduces knee pain and lower back stress caused by regular kneeling, ideal for pain relief during floor fitting. Resistant to oils and chemicals.
**Colour:** black.
**Size:** 530 x 360 x 25mm.

| Size | Colour | Order Code SSF-946 |
|---|---|---|
| 530 x 360mm | Black | -4650R |

## SITESAFE Ribbed Mat

Durable mat, manufactured from hard-wearing natural rubber. Fine ribbed surface has effective slip-resistance. Provides insulation from cold concrete floors.
Can also be used on workbenches to prevent component damage.



**Colour:** black.
**Thickness:** 3mm.

| Thickness | Size (mm) | Order Code SSF-946 |
|---|---|---|
| 3mm | 900 x 2500 | -6760P |

# THE ULTIMATE AIR GRINDER FOR EVERY SPACE

Elevate your work with Kobe's ultra-compact air grinder.
Designed for precision and power in tight spaces.

Ideal for grinding, polishing, and deburring, this versatile tool ensures flawless results every time.
Choose Kobe for unmatched performance and redefine your standards.

**Power. Precision. Perfection.**

KOBE™

## SITESAFE Entrance Mat

Cost effective entrance mat offering good all round performance. Scrapes dirt and wipes moisture. Slip resistant PVC backing.
**Colour:** Black/Steel. **Thickness:** 7mm.

| Size (metre) | Order Code SSF-946 |
|---|---|
| 0.6 x 0.9m | **-8706K** |
| 0.9 x 1.5m | **-8709K** |

## Anti Fatigue Matting

See our full range

Scan the QR Code

## MATLOCK 5-Lever Mortice Detainer Sashlocks

705
Kitemarked to BS3621. Insurance approved sashlock, easily reversible latchbolt, five detainer mechanism. Supplied with square or radius forend and strike. Supplied with two keys. Satin chrome plate finish.

| Length | Order Code MTL-949 |
|---|---|
| 64mm | -4090K |

## MATLOCK Contract Door Closer

This comprehensive range of door controls are designed to automatically close doors to keep your workplace safe from a variety of hazards. Available to purchase as varying power sized units for many different door applications. To help select the correct closer for you, each unit has a listing showing its key features, certification numbers and fire ratings.

- Available in varying sizes to suit your specific needs
- Silver finish is unobtrusive and suits most workplaces
- Rigorously tested and meets relevant certifications and regulations

| Product Type | Order Code MTL-949 |
|---|---|
| Mechanism Only | -4030K |
| Covered Unit | -4040K |

## MATLOCK Overhead Door Closers

This comprehensive range of Door Controls feature varying power sized units for many different door applications. They come with a choice of architectural covers which are each available in 26 different plated or colour coated finishes.
To help select the correct closer for you, each unit has a listing showing their key features, certification numbers and fire ratings. Plated arms are available on certain units only, and test certificates are available upon request.

BS EN1154 Classification
This standard classifies door closers using a 6 digit coding system. Each digit relates to a particular feature of the product measured against the standards performance requirements.

| Finish | Order Code MTL-949 |
|---|---|
| Silver | -4010K |
| Plated | -4020K |

## MATLOCK 5-Lever Mortice Detainer Deadlocks

706
Kitemarked to BS3621. Insurance approved sashlock, easily reversible latchbolt, five detainer mechanism. Supplied with square forend and strike. Supplied with two keys.

| Length | Order Code MTL-949 |
|---|---|
| 64mm | -4130K |

## MATLOCK Bathroom Mortice Locks

718
Easily reversible latchbolt, adjustable springing feature. 8mm turn follower for internal door applications. Latchbolt operated by lever handles, deadbolt thrown by internal turn. Supplied with square forend and strike.

| Length | Order Code MTL-949 |
|---|---|
| 76mm | -4340K |

## MATLOCK Euro Profile Double Cylinders

Supplied with two keys and fixing screws.

| Length | Order Code MTL-949 |
|---|---|
| 70mm | -4410K |
| 70mm | -4420K |

## MATLOCK Euro Profile Key & Turn Cylinders

Supplied with two keys and fixing screws.

| Length | Order Code MTL-949 |
|---|---|
| 70mm | -4430K |
| 70mm | -4440K |

## MATLOCK Oval Door Stops

Available finished in aluminium, stainless steel or brass.

| Length | Order Code MTL-949 |
|---|---|
| 75mm | -5500K |
| 75mm | -5510K |

## MATLOCK Hat and Coat Hooks

Available to purchase in either brass, stainless steel or aluminium depending on your needs, these hat and coat hooks are ideal for creating hanging space in the workplace. Supplied with fixing screws, each product has two pre-made screw holes and a plastic covering end cap.

- Simple to fix to your desired material via the pre-made screw holes
- Available with three different compositions including brass, stainless steel or aluminium to suit your preferences
- Black plastic cover improves the safety of the product by protecting users against injury
- Supplied complete with fixing screws

| Finish | Order Code MTL-949 |
|---|---|
| Stainless Steel | -5890K |

## MATLOCK Coat Hooks

Finished in Aluminium, Stainless Steel or Brass depending on your selection, these coat hooks are an ideal space saver for your office or cloakroom. With two pre-drilled fixing holes and the accompanying fixing screws, the product is ready to be attached to your desired wall.

- Simple to fix to your desired material via the pre-made screw holes
- Available with three different compositions including brass, stainless steel or aluminium to suit your preferences
- Supplied with fixing screws to allow you to instantly attach the hook to your desired wall

| Finish | Order Code MTL-949 |
|---|---|
| Aluminium | -5910K |
| Stainless Steel | -5920K |

## MATLOCK Budget Door Handles

Finished in aluminium on pressed backplate

| Lock Type | Order Code MTL-949 |
|---|---|
| Latch | -5940K |
| Lock | -5950K |
| Euro | -5960K |
| Bathroom | -5980K |

## MATLOCK Roundbar Pull Handles

19 and 22mm DDA roundbar aluminium pull handles, 425mm length with a clearance exceeding 45mm from pull grip to door face. (Bolt through version illustrated).

| Finish | Order Code MTL-949 |
|---|---|
| Aluminuim | -4810K |

## MATLOCK Outside Access Device

This panic hardware range of emergency exit devices contains products that are certified to the European CEN standards BS EN179 & BS EN1125 a offers a design to give optimum safety a Security. All products meet with the required standards in today's market. They have an anti-thrust mechanism to protect against attack, they carry a ten year manufacturer's guarantee a are two hour fire rated. Standard Size units are suitable for doors up to 2440mm high a 1220mm wide. Special Size Vertical shoots, Horizontal bars, keeps a pullman catch kits are available on request. Silver finish.

| Colour | Order Code MTL-949 |
|---|---|
| Silver | -6040K |

## MATLOCK Push Pad Panic Latch

This panic hardware range of emergency exit devices contains products that are certified to the European CEN standards BS EN179 & BS EN1125 and offers a design to give optimum safety and security. All products meet with the required standards in today's market. They have an anti-thrust mechanism to protect against attack, they carry a ten year manufacturer's guarantee and are two hour fire rated. Standard sized units are suitable for doors up to 2440mm high and 1220mm wide. Special sized vertical shoots, horizontal bars, keeps and pullman catch kits are available on request. Silver finish.

-This is reversible can be used for both right/left hand door

| Colour | Order Code MTL-949 |
|---|---|
| Silver | -6020K |

## MATLOCK Push Pad Panic Bolt

This panic hardware range of emergency exit devices contains products that are certified to the European CEN standards BS EN179 & BS EN1125 and offers a design to give optimum safety and security. All products meet with the required standards in today's market. They have an anti-thrust mechanism to protect against attack, they carry a ten year manufacturer's guarantee and are two hour fire rated. Standard sized units are suitable for doors up to 2440mm high and 1220mm wide. Special sized vertical shoots, horizontal bars, keeps and pullman catch kits are available on request.

| Colour | Order Code MTL-949 |
|---|---|
| Silver | -6030K |

## MATLOCK Ball Bearing Brass Plated Butt Hinges

525CE
One hour fire tested. Stainless steel pin. Complete with screws.
Suitable for use on internal doors.

| Material | Order Code MTL-949 |
|---|---|
| Stainless Steel | -4470K |

## MATLOCK Push Bar Single Panic Bolt

This panic hardware range of emergency exit devices contains products that are certified to the European CEN standards BS EN179 & BS EN1125 a offers a design to give optimum safety a Security. All products meet with the required standards in today's market. They have an anti-thrust mechanism to protect against attack, they carry a ten year manufacturer's guarantee a are two hour fire rated. Standard Size units are suitable for doors up to 2440mm high a 1220mm wide. Special Size Vertical shoots, Horizontal bars, keeps a pullman catch kits are available on request.

| Colour | Order Code MTL-949 |
|---|---|
| Silver | -5990K |

## MATLOCK Ball Bearing Stainless Steel Butt Hinges

These ball bearing hinges are available in a polished or satin stainless steel finish to suit your needs and are manufactured from Grade 304 stainless steel. Each product is one hour fire tested, and the product is complete with screws for fixing to your chosen door. Supplied as a pair.

- Available in two specifications to suit your requirements
- Manufactured from stainless steel for durability
- Complete with screws for easy fixing onto your desired door
- One hour fire tested to ensure resilience
- Supplied as a pair

| Shackle Diameter | Order Code MTL-949 |
|---|---|
| Satin Stainless Steel | -4450K |
| Polished Stainless Steel | -4460K |

# PADLOCKS

## MATLOCK Security Ratings

All padlocks have a rating to indicate how secure they are, this is based on material, hardening, extra coating, shackle diameter, body width, and other security features such as anti-pick locks and 3, 4, 5 or 6 pin cylinders.

| Rating | Uses |
|---|---|
| 1 - 2 | Minimum security for indoor and outdoor use on tackle boxes, suitcases and drawers etc. |
| 3 - 4 | Minimum to medium security for indoor and outdoor use on garages, cabinets, toolboxes, gates, truck doors, lockers, sheds, bicycles etc. |
| 5 - 6 | Medium security for indoor and outdoor use on garages, cabinets, toolboxes, gates, truck doors, lockers, sheds, bicycles etc. |
| 7 - 8 | Medium to maximum security for indoor and outdoor use on store front and factory gates, large toolchests, construction site storage etc. |
| 9 - 10 | Maximum security for indoor and outdoor use on store front and factory gates, large tool chests and construction site storage etc. |

## MATLOCK Brass Shackle

Solid brass body with a hardened steel shackle and a double locking mechanism. For indoor and outdoor use on minimum to medium security items. 20mm: 3 pin cylinder. 30 and 40mm: 4 pin cylinder, 50 and 60mm: 5 pin cylinder. *Single locking only.

HARDENED SHACKLE

2 to 4 SECURITY RATING

DOUBLE LOCKING

| Body Width | Shackle Dia. x Clearance | Rating (1 - 10) | Weight Each | Order Code MTL-950 |
|---|---|---|---|---|
| 20mm | 3.7 x 10.3mm | 2* | 50g | -6722K |
| 30mm | 4.8 x 15mm | 3 | 100g | -6733K |
| 40mm | 4.8 x 50mm | 3 | 130g | -6732K |
| 40mm | 4.8 x 22mm | 3 | 170g | -6743K |
| 40mm | 7.0 x 50mm | 4 | 190g | -6745K |
| 50mm | 7.0 x 26mm | 4 | 280g | -6754K |
| 60mm | 8.8 x 27mm | 4 | 430g | -6764K |

## MATLOCK Brass - Stainless Steel Shackle

Traditional style brass bodied padlock with a stainless steel shackle and a double locking mechanism. For indoor and outdoor use on many minimum to medium security items. 20mm: 3 pin cylinder, 30 and 40mm: 4 pin cylinder, 50 and 60mm: 5 pin cylinder.
* Single locking only.

2 to 4 SECURITY RATING

DOUBLE LOCKING

| Key Change Every | |
|---|---|
| 20mm | 50 |
| 30mm | 200 |
| 40 - 60mm | 1000 |

| Body Width | Shackle Dia. x Clearance | Weight Each | Order Code MTL-950 |
|---|---|---|---|
| 20mm | 3.7 x 10.3mm | 50g | -7022K |
| 30mm | 4.8 X 15mm | 100g | -7033K |
| 40mm | 4.8 x 22mm | 5g | -7043K |
| 50mm | 7.0 x 26mm | 5g | -7054K |
| 60mm | 8.8 x 27mm | 5g | -7064K |

## MATLOCK Brass Slimline

Solid brass body with a hardened steel changeable shackle. For indoor and outdoor use on minimum to medium security items.

| Key Change Every | |
|---|---|
| 20mm | 6 |
| 25mm | 12 |
| 30mm | 24 |
| 40 - 50mm | 36 |

2 to 4 SECURITY RATING

| Body Width | Pack Qty | Shackle Dia. x Clearance | Rating (1 - 10) | Weight Each | Order Code MTL-950 |
|---|---|---|---|---|---|
| 20mm | 1 | 3.2 x 12mm | 2 | 40g | -6820K |
| 25mm | 1 | 4.8 x 15mm | 3 | 55g | -6825K |
| 25mm | 4 | 4.8 x 15mm | 3 | 55g | -7975K |
| 30mm | 1 | 4.8 x 15mm | 3 | 70g | -6830K |
| 30mm | 4 | 4.8 x 15mm | 3 | 70g | -7980K |
| 30mm | 1 | 4.8 x 63.5mm | 2 | 90g | -6832K |
| 40mm | 1 | 6 x 20mm | 4 | 125g | -6840K |
| 50mm | 1 | 7 x 25mm | 4 | 200g | -6850K |
| 50mm | 4 | 7 x 25mm | 4 | 200g | -7995K |

## MATLOCK Laminated Brass - Combination Type

Double locking mechanism. Available with four number tumbler (10,000 combinations) or three number tumbler (1,000 combinations).
For indoor and outdoor use on minimum to medium security items.

3 - 4 SECURITY RATING

DOUBLE LOCKING 3 SECURITY RATING

| Body Width | Shackle Dia. x Clearance | Combination Number | Weight each | Order Code MTL-950 |
|---|---|---|---|---|
| 40mm | 6 x 25mm | 3 | 210g | -6203K |
| 46mm | 8 x 25mm | 4 | 280g | -6263K |

## MATLOCK Disc Padlocks

Designed to provide medium to maximum security for indoor and outdoor use. Available in keyed differently and keyed alike versions.

**Shackle Dia. x Clearance:** 9.5 x 17.3mm.
**Body Width:** 70mm.

9 Security Rating

| Type | Order Code MTL-950 |
|---|---|
| Keyed Differently | -8240K |
| Keyed Alike | -8250K |

## MATLOCK Lock Block

Solid brass body and molybdenum shackle. Designed to provide medium to maximum security for indoor and outdoor use.
* keyed alike

8 SECURITY RATING

| Shackle Dia. x Clearance | Order Code MTL-950 |
|---|---|
| 8 x 13.5mm | -8840K |
| 11 x 16mm | -8860K |
| 11 x 16mm | -8900K |

## MATLOCK Brass - Cross Key

Solid brass body with a hardened steel shackle and a double locking mechanism. Fitted with a dual lever 4 row 16 pin cylinder which has 1000 different key numbers. For indoor and outdoor use on minimum to medium security items.
**Key change every 100,000.**

HARDENED SHACKLE

HARDENED SHACKLE

4 to 5 SECURITY RATING

DOUBLE LOCKING

| Body Width | Shackle Dia. x Clearance | Rating (1 - 10) | Order Code MTL-950 |
|---|---|---|---|
| 40mm | 6.8 x 25mm | 4 | -3844K |
| 50mm | 8.8 x 32mm | 5 | -3855K |
| 60mm | 11 x 35mm | 5 | -3865K |

## MATLOCK Brass - Anti-Pick Weatherproof

Solid brass body with a hardened stainless steel changeable shackle and a double locking mechanism. Fitted with a hardened steel cover plate and an anti-pick 6 pin brass cylinder. Completely weatherproof padlock which is suitable for use in the harshest corrosive conditions on minimum to medium security items.
**Key change every 20,000.**

HARDENED SHACKLE

4 to 6 SECURITY RATING

HARDENED STEEL COVER PLATE

DOUBLE LOCKING

ANTI-PICK 6-PIN CYLINDER

WEATHERPROOF

| Body Width | Shackle Dia. x Clearance | Rating (1 - 10) | Weight each | Order Code MTL-950 |
|---|---|---|---|---|
| 38mm | 6.3 x 25mm | 4 | 310g | -3554K |
| 38mm | 6.3 x 50mm | 4 | 320g | -3574K |
| 45mm | 8 x 25mm | 5 | 370g | -3655K |
| 45mm | 8 x 50mm | 5 | 385g | -3675K |
| 50mm | 9.5 x 50mm | 6 | 450g | -3776K |

## MATLOCK Laminated Brass

HARDENED SHACKLE

4 SECURITY RATING

DOUBLE LOCKING

Laminated brass body with a hardened steel shackle, a double locking mechanism and a pin cylinder. For indoor and outdoor use on minimum to medium security items.
**Key change every 1,000.**

| Body Width | Shackle Dia. x Clearance | Rating (1-10) | Weight each | Order Code MTL-950 |
|---|---|---|---|---|
| 50mm | 8.8 x 25mm | 4 | 400g | -5834K |

## MATLOCK Brass Anti-Pick Padlock

Solid brass body with a hardened steel changeable shackle and a double locking mechanism. Fitted with a hardened steel cover plate and an anti-pick 6 pin brass cylinder. For indoor and outdoor use on minimum to medium security items.
**Key change every 20,000.**

DOUBLE LOCKING

4 to 6 SECURITY RATING

ANTI-PICK 6-PIN CYLINDER

HARDENED STEEL COVER PLATE

HARDENED SHACKLE

| Body Width | Shackle Dia. x Clearance | Rating (1 - 10) | Order Code MTL-950 |
|---|---|---|---|
| 38 x 76 | 6.3 X 25mm | - | -3054K |
| 38 x 76 | 6.3 x 75mm | 4 | -3094K |
| 50 x 76 | 9.5 x 50mm | 6 | -3226K |
| 50 x 76 | 9.5 x 75mm | 6 | -3236K |

## MATLOCK Weather-Resistant - Long Shackle

Laminated steel body with hardened steel shackle, double locking mechanism and anti-pick cylinder. Ideally suitable for medium security for indoor and outdoor use in the harshest corrosive environments. Available in a range of colours.

5 to 6 SECURITY RATING

HARDENED STEEL COVER PLATE

WEATHERPROOF

ANTI-PICK 6-PIN CYLINDER

| Body Width | Colour | Shackle Dia x Clearance | Rating ( 1 - 10 ) | Order Code MTL-950 |
|---|---|---|---|---|
| 45mm | Red | 8.1 x 55mm | 5 | -7615K |
| 54mm | Yellow | 10.7 x 46mm | 6 | -7626K |

## MATLOCK Laminated Steel

Laminated steel body with a hardened steel shackle, a double locking mechanism and a 5 pin cylinder. For indoor and outdoor use on medium to maximum security items.

**Key change every 1,000 (30mm every 200).**

4 to 8 SECURITY RATING

DOUBLE LOCKING

HARDENED SHACKLE

| Body Width | Shackle Dia. x Clearance | Rating (1 - 10) | Weight each | Order Code MTL-950 |
|---|---|---|---|---|
| 30mm | 5.2 x 18.5mm | 4 | 220g | -5514K |
| 40mm | 6.3 x 25mm | 5 | 265g | -5525K |
| 44mm | 7.0 x 25mm | 5 | 330g | -5555K |
| 50mm | 8.8 x 25mm | 7 | 500g | -5587K |
| 65mm | 11 x 34mm | 8 | 600g | -5598K |

# PADLOCKS



## MATLOCK Laminated Steel - Combination Type

Laminated steel, nickel plated body with a hardened steel shackle and a double locking mechanism. Available with four number tumbler (10,000 combinations) or three number tumbler (1,000 combinations). For indoor and outdoor use on minimum to medium security items.

| Body Width | Shackle Dia. x Clearance | Rating (1 - 10) | No. of Dials | Weight each | Order Code **MTL-950** |
|---|---|---|---|---|---|
| 40mm | 6 x 25mm | 4 | 3 | 185g | **-6004K** |
| 40mm | 6 x 45mm | 4 | 3 | 200g | **-6024K** |
| 46mm | 8 x 25mm | 4 | 4 | 270g | **-6064K** |

## MATLOCK 4 Pin Strong Padlocks

4 pin padlocks available in a range of colours. Designed to provide minimum to medium security for indoor and outdoor use on garages, cabinets, toolboxes, gates, truck doors, lockers, sheds and bicycles etc. Available in keyed differently and keyed alike versions.

| Colour | Body Width | Shackle Dia. x Clearance | Order Code **MTL-950** | **Keyed Diff. Keyed Alike** |
|---|---|---|---|---|
| Black | 40mm | 7 x 21.5mm | **-7120K** | **-7160K** |
| Blue | - | - | **-7125K** | **-7165K** |
| Green | - | - | **-7130K** | **-7170K** |
| Orange Red Yellow | 40mm | 7 x 21.5mm | **-7135K** | **-7175K** |
| Blue | - | - | **-7140K** | **-7180K** |
| Yellow | - | - | **-7145K** | **-7185K** |

## MATLOCK Solid Brass Combination Padlocks

Solid brass padlocks designed to provide minimum to medium security for indoor and outdoor use on garages, cabinets, toolboxes, gates, truck doors, lockers, sheds and bicycles etc. Available in a range of sizes. Solid brass body with hardened steel shackle and 3 or 4 digit combination.

| Body Width | Shackle Dia. x Clearance | No. of Dials | Pack Quantity | Order Code **MTL-950** |
|---|---|---|---|---|
| 20mm | 3.0 x 21.7mm | 3 | 1 | **-8020K** |
| 30mm | 5.0 x 25.0mm | 3 | 1 | **-8030K** |
| 40mm | 6.0 x 26.0mm | 4 | 1 | **-8040K** |
| 20mm | 3.0 x 21.7mm | 4 | 4 | **-8070K** |
| 30mm | 5.0 x 25.0mm | 3 | 4 | **-8080K** |
| 40mm | 6.0 x 26.0mm | 4 | 4 | **-8090K** |

## MATLOCK Strong/Heavy Duty Padlocks

Designed to provide medium to maximum security for indoor and outdoor use on store front and factory gates, large toolchests, construction site storage etc. This heavy duty padlock has a hardened steel body, black e-coating, molybdenum shackle and 4 digit combination.

| Body Width | Shackle Dia. x Clearance | No. of Dials | Order Code **MTL-950** |
|---|---|---|---|
| 51.0mm | 9.5 x 27mm | 4 | **-8260K** |
| 62.0mm | 11.0 x 51mm | 4 | **-8270K** |

## MATLOCK Solid Steel Heavy-Duty

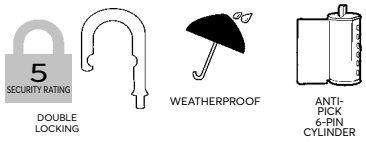
Hardened solid steel, chrome and duplex nickel plated body. Fitted with a double locking mechanism, hardened steel cover plate and an anti-pick six pin brass cylinder. For indoor and outdoor use on maximum security items.
**Key change every 20,000.**

| Body Width | Shackle Dia. x Clearance | Rating (1 - 10) | Weight each | Order Code MTL-950 |
|---|---|---|---|---|
| 63.5 x 76 | 11 x 25mm | 9 | 680g | -1509K |
| 63.5 x 76 | 11 x 50mm | 9 | 725g | -1529K |
| 63.5 x 76 | 11 x 75mm | 9 | 770g | -1539K |

## MATLOCK Aluminium - Anti-Pick Weatherproof Shackle

Solid anodised lightweight aluminium body with a hardened stainless steel changeable shackle. Fitted with an anti-pick six pin brass cylinder and a double locking mechanism. Weatherproof padlock which is suitable for use in the harshest corrosive conditions on medium security items.
**Key change every 20,000.**

HARDENED SHACKLE




| Body Width | Shackle Dia. x Clearance | Rating (1 - 10) | Weight each | Order Code MTL-950 |
|---|---|---|---|---|
| 38mm | 6.3 x 50mm | 5 | 200g | -5025K |
| 50mm | 9.5 x 25mm | 5 | 255g | -5205K |
| 50mm | 9.5 x 50mm | 5 | 280g | -5225K |

## MATLOCK Weather-Resistant Padlock

Laminated steel body with hardened steel shackle, double locking mechanism and anti-pick cylinder. The PU coating makes this the most weather-resistant padlock. Ideally suitable for medium security for indoor and outdoor use in the harshest corrosive environments. For use on marine/brewery storage, haulage and warehouses etc. Available in a range of colours. All fitted with a weather-resistant key cover.

| Body Width | Colour | Shackle Dia x Clearance | Rating (1 - 10) | Order Code MTL-950 |
|---|---|---|---|---|
| | | **Standard** | | |
| 45mm | Red | 8.1 x 18mm | 5 | -7515K |
| 69mm | Black | 9 x 30mm | 7 | -7537K |

## MATLOCK Solid Steel - Anti-Pick, Anti-Cut Padlock

Hardened solid steel, chrome and duplex nickel plated body with a molybdenum alloy anti-cut changeable steel shackle. Fitted with a double locking mechanism and an anti-pick six pin brass cylinder. For indoor and outdoor use on medium to maximum security items.
**Key change every 20,000.**

8 to 9 SECURITY RATING
DOUBLE LOCKING
ANTI-PICK 6-PIN CYLINDER
ANTI-CUT SHACKLE

| Body Width | Shackle Dia. x Clearance | Rating (1 - 10) | Weight each | Order Code MTL-950 |
|---|---|---|---|---|
| 50 x 76 | 9.5 x 25mm | 8 | 400g | -2508K |
| 50 x 76 | 9.5 x 75mm | 8 | 455g | -2538K |
| 63.5 x 76 | 11 x 25mm | 9 | 710g | -2609K |
| 63.5 x 76 | 11 x 50mm | 9 | 755g | -2629K |
| 63.5 x 76 | 11 x 75mm | 9 | 800g | -2639K |

## MATLOCK Weather-Resistant - Shrouded Shackle

Laminated steel body with hardened steel shackle, double locking mechanism and anti-pick cylinder. The PU coating makes this the most weather-resistant padlock. Ideally suitable for medium security for indoor and outdoor use in the harshest corrosive environments. For use on marine/brewery storage, haulage and warehouses etc.
Available in a range of colours.
All fitted with a weather-resistant key cover.

6 to 9 SECURITY RATING
ANTI-PICK 6-PIN CYLINDER
HARDENED STEEL COVER PLATE
WEATHERPROOF

| Body Width | Colour | Shackle Dia x Clearance | Rating ( 1 - 10 ) | Order Code MTL-950 |
|---|---|---|---|---|
| | | **Covered Shackle** | | |
| 50mm | Blue | 8 x 33mm | 6 | -7716K |
| 62mm | Black | 10 x 30mm | 8 | -7728K |
| 75mm | Yellow | 11 x 34mm | 9 | -7759K |

## Padlocks

See our range

Scan the QR code

# PADLOCK STATIONS

## MATLOCK 7 & 16 Lockout Station - Boards Only

Manufactured from heavy duty durable acrylic.

**LOK016**
Two hooks for hasps.
Once padlock bar (takes seven padlocks).
Two pockets for lockout tags.
Holes for wall fixing.

**LOK017**
Contents as LOKO16 but with two padlock bars (takes 16 padlocks), and one pocket.

Tags, padlocks and hasps are not included.

| Product Number | Number of Locks | Dimensions (WxH) | Order Code **MTL-950** |
|---|---|---|---|
| LOKO16 | 7 | 393 x 292mm | **-8605K** |
| LOKO17 | 16 | 342 x 342mm | **-8610K** |

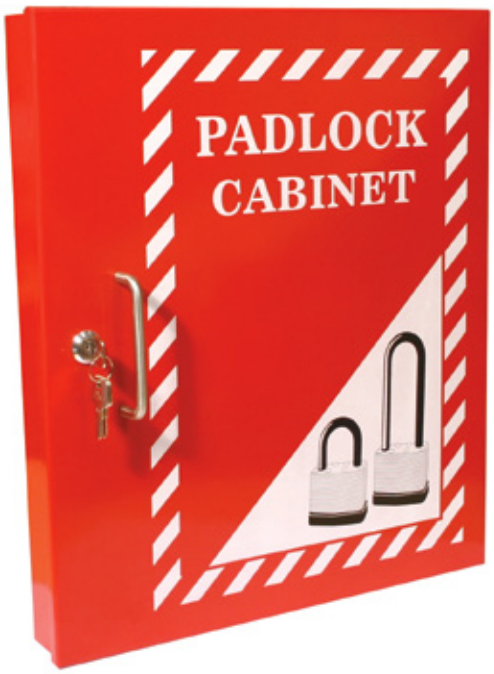
## MATLOCK Premier Lockout Stations

Highly visible lockout board manufactured from durable plastic. Ideal for the storage of lockout equipment and at the same time ensuring equipment is easy to find and access.

| Width mm | Colour | Materiál | Order Code **MTL-950** |
|---|---|---|---|
| 345 | Yellow | Plastic | **-9110K** |
| 395 | Yellow | Plastic | **-9120K** |

## MATLOCK Padlock Cabinet

Red powder coated steel Padlock Cabinet with 3 interior rack storage of up to 21 padlocks. Wall mountable with fixings and 2 keys included.




| Order Code **MTL-950** |
|---|
| **-8909K** |

**Security**

See our range

Scan the QR code

## MATLOCK Security Hasps

Manufactured from hardened steel with a duplex nickel plated anti-corrosive finish. The hinge pins, fixings and assembly are concealed with a folded edge for tamper protection. Supplied with fixing screws.

**Double Hinged:**
Models can be used for internal and external corner mounting.

**Triple Hinged:**
Models also allow for use on non-flush fitting (stepped) surfaces.

**8120, 8110, 8100* & 8150*:**
For use on standard duty and domestic applications.

**8200* & 8160*:**
For use on medium duty applications.
*Supplied complete with door reinforcement plates for improved security.

-8100K

-8150K

-8200K

| Product Number | Shackle Type | Hinge Type | Size (mm) | To Suit Shackle | Security Rating | Order Code **MTL-950** |
|---|---|---|---|---|---|---|
| 8120 | Vertical | Single | 92 x 37 | 8mm | 2 | **-8120K** |
| 8100 | Horizontal | Single | 125 x 45 | 11mm | 3 | **-8100K** |
| 8150 | Horizontal | Double | 160 x 45 | 11mm | 3 | **-8150K** |
| 8160 | Vertical | Single | 258 x 62 | 13mm | 3 | **-8160K** |

## MATLOCK 'Anti-Cut' U-Bar

Molybdenum alloy steel, 'anti-cut' shackle. Vinyl coated U-bar. Suitable for indoor and outdoor use.

| Shackle Dia. x Clearance | Order Code **MTL-950** |
|---|---|
| 15 x 270mm | **-6517K** |

PRECISION POWER FOR EVERY JOB

Do not compromise. Choose Kobe for unparalleled performance and reliability. Your projects deserve nothing less than the best.

Ready to take your work to the next level? Discover the Kobe difference today and experience excellence at your fingertips!

**Power. Precision. Perfection.**

KOBE™

# LOCKOUT & TAGOUT SYSTEMS

## MATLOCK Safety Lockout Padlocks - Keyed Differently

Individually keyed to differ 6-pin lock which will not release the key until the shackle is closed. Non-conductive and non-sparking. Resistant to chemicals and corrosion. Colour coded. Each padlock is supplied boxed with one key and keyring.

**Dimensions:**
**Body width:**
20 x 42mm.
**Shackle diameter x clearance:** 6.5 x 38mm.

| Product Number | Colour | Order Code MTL-950 |
|---|---|---|
| LOK007 | Red | -7950K |
| LOK008 | Yellow | -7960K |
| LOK009 | Green | -7930K |
| LOK010 | Blue | -7920K |
| LOK011 | Black | -7910K |
| LOK012 | Orange | -7940K |

## MATLOCK Safety Lockout Padlocks

**Long Shackle**
Individually keyed 6-pin lock which will not release the key until the shackle is closed.Re-inforced nylon. Colour coded with a photo-luminescent label. Supplied boxed with one key and keyring.
**Shackle height:** 82mm.

| Colour | Order Code MTL-950 |
|---|---|
| Black | -9320K |
| Blue | -9330K |
| Green | -9340K |
| Orange | -9350K |
| Red | -9360K |
| Yellow | -9370K |

## MATLOCK Standard Gate Valve Lockout

Resistant to cracking and abrasion. Three padlock holes. Di-electric properties. Rotates freely around valve covers. Resistant to extreme temperatures.
Suitable for hasps and padlocks.

**Colour:** red (other colours available on request).
**Min/Max. shackle dia.:** 6.5mm.
**Min. shackle clearance:** 38mm.
(Padlock not included)

| Product Number | Hand Wheel Diameter | Order Code MTL-950 |
|---|---|---|
| LOK001 | 25 - 64mm | -8716K |
| LOK002 | 64 - 127mm | -8726K |
| LOK003 | 127 - 165mm | -8736K |
| LOK004 | 165 - 254mm | -8746K |

## MATLOCK Nylon Shackle Safety Padlock

A compact padlock with a hardened nylon shackle with non-conductive properties. Ideal for adding an extra level of security when working in dangerous environments.

Colour: red.

| Caliper diameter mm | Order Code MTL-950 |
|---|---|
| 6 ; 6 | -8915K |

## MATLOCK Group Lock Box

**LOK015**
For storage of keys or other machine activation devices. Manufactured from powder coated heavy duty steel.

**Capacity:** 13 padlocks (locks not included).

| Product Number | Dimensions (W x H x D) | Order Code MTL-950 |
|---|---|---|
| LOK015 | 255 x 155 x 100mm | -9040K |

## MATLOCK Lockout Warning Tags - Double-Sided

Flexible polyester tags, resistant to water, oil and extreme temperatures. Matt surface allows you to write on them. Pack of 10 tags with cable ties.

**Size:** 75 x 135mm.

| Product Number | Description | Order Code MTL-950 |
|---|---|---|
| LOK050 | Do Not Operate | -8520K |
| LOK051 | Do Not Start | -8540K |
| LOK090 | Do Not Operate-Locked Out | -8560K |
| LOK073 | Do Not Use | -8570K |

## MATLOCK Aluminium Lockout Hasp & Label

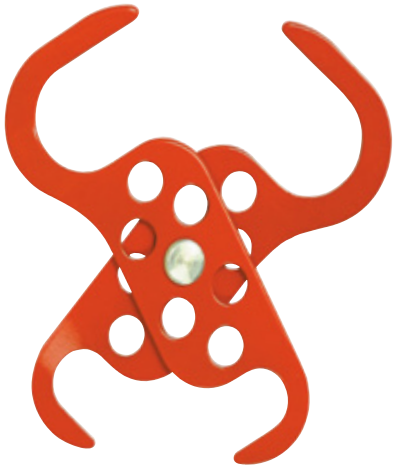
**LOK049**
Powder coated aluminium hasp. Supplied with spare label. The hasp is used when you wish to use multiple padlocks to isolate one energy source.

**Size:** 184 x 76 x 5mm, 190 x 77 x 16mm with tab.
**Max. shackle diameter:** 8mm.
**Min. shackle clearance:** 20mm.

| Product Number | Order Code MTL-950 |
|---|---|
| LOK049 | **-8300K** |

## MATLOCK Multi-Purpose Dual Lockout Hasp

**LOK047**
Dual scissor action hasp with steel body and powder coating to prevent rusting.
Aluminium pivot provides a smooth and lasting movement.
Two different jaw sizes ensure ultimate adaptability when lock out conditions vary.
**Min./Max. shackle diameter:** 10/20mm.



| Product Number | Order Code MTL-950 |
|---|---|
| LOK047 | **-8340K** |

## MATLOCK Vinyl Coated Lockout Hasps

Manufactured from high tensile steel sheet. Electro-plated to prevent rusting. The padlock fixing section has been vinyl coated for grip and greater visibility.

**Max. padlock shackle diameter:** 9.5mm.
**Min. padlock shackle clearance:** 20mm.
**Colour:** red.

| Product Number | Shackle Width | Order Code MTL-950 |
|---|---|---|
| LOK044 | 25mm | **-8334K** |
| LOK045 | 38mm | **-8336K** |

## MATLOCK Aluminium Lockout Hasps

Manufactured from aluminium with injection moulded nylon grip. The hasp jaws are rounded to provide easy fixing on smaller isolation points and lockout devices. Suitable for six padlocks.

**Max. shackle diameter:** 8mm.

| Shackle Width | Order Code MTL-950 |
|---|---|
| 25mm | **-8979K** |

## MATLOCK Economy Lockout Hasp

**LOK048**
Made from hardened powder coated steel.
The hasp utilises a standard scissor action to isolate a machine. With a double locking arrangement.

**Colour:** red.
**Material:** steel.
**Jaw capacity:** 25mm.
**Accepts padlocks:** shackle clearance 20mm, shackle diameter 10mm.

| Product Number | Order Code MTL-950 |
|---|---|
| LOK048 | **-8325K** |

## MATLOCK Wire Padlocks

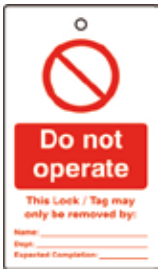
With a 3mm diameter and a flexible wire shackle this padlock is ideal for use on smaller MCB lockouts or for when a standard padlock is unsuitable.
**Colour:** red.
**Shackle diameter:** 3mm.

| Shackle Diameter | Order Code MTL-950 |
|---|---|
| 3mm | **-8974K** |

## MATLOCK Double Sided Lockout Tags

Lockout Tags are used to explain why a device has been locked out. They are designed to withstand maximum exposure and retain message visibility to ensure that it is not removed before repair and maintenance is complete. These tags are needed every time a Lockout Tagout device is locked out for repair or maintenance. These tags are printed on both sides with the details displayed below. Supplied in packs of 10 complete with tie-wraps.
**Size:** 75mm x 135mm.

**Design A**




**Design B**

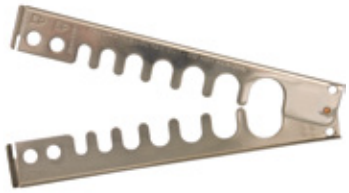
**Design C**

**Design D**

| Design | Order Code MTL-950 |
|---|---|
| A | -8938K |
| B | -8940K |
| C | -8941K |
| D | -8948K |

## MATLOCK Pneumatic Lockout

Manufactured from solid stainless steel this pneumatic lockout is strong, durable and resistant to corrosion and fits virtually all pneumatic fittings used in manufacturing facilities. Simple to use, once the lockout is in its closed position it can be locked using up to two safety padlocks.



| No. | Order Code MTL-950 |
|---|---|
| Sil-2 197 35 | -8910K |

## MATLOCK Universal Mini Circuit Breaker

Designed to fit on almost any size of MCB, regardless of size or the position of the holes on the breaker.

- Simply turn off the breaker and place the lockout over the switch
- Use the thumbscrew to tighten the internal grub screw onto the switch, locking the unit into place
- The thumbscrew will then fold down on its integral hinge, allowing a padlock to be fitted onto the lockout and preventing the thumbscrew and the unit from being removed

| Order Code MTL-950 |
|---|
| -8902K |

## MATLOCK Ladder Lockout

Manufactured from flexible woven PVC, this device is placed over the rungs of a ladder or steps to deny its use. The integral eyelet allows it to be locked out with a suitable padlock and tag.

| Fixing Method | Legnth mm | Order Code MTL-950 |
|---|---|---|
| Eyelet | 1175 | -9003K |

## MATLOCK Large Advanced Lockout Station

Engineered from plastic polycarbonate, with multiple board clips to house padlocks and hasps including built in spaces for tags and tie wraps. Cover supplied enables station to be locked out.

**Filled board contents:**
10x red safety padlocks (KD),
1x 25mm vinyl coated hasp,
1x 38mm vinyl coated hasp,
1x pack of 10 'Do not operate' tags,
1x pack of 10 'Do not use' tags.

**Board dimensions (H x W x D):**
558 x 393 x 65mm.

| Dimensions (H x W x D) | Order Code MTL-950 |
|---|---|
| Eyelet | -9220K |

## MATLOCK Electrical Lockout Kits

Pre-selected kits designed to cover the most common uses in industry.
Supplied in a handy carry case they provide a convenient choice for all lockout users.

**LOK229**
1x Lockout Shell Case/Pouch
2x Red Safety Lockout Padlocks (KD)
2x Single Tag with Eyelet - (Double Sided)
1x MCB Lockout Pin Out Standard
1x MCB Lockout Pin In Standard
1x MCB Lockout Pin Out Standard
1x Yellow MCB Lockout - Universal
1x Yellow MCB Lockout - Type 1
1x Ultra-fine permanent pen

11 PIECES

| Product Number | Description | Order Code MTL-950 |
|---|---|---|
| LOK229 | Electrical Kit | -9190K |

**LOK251**
1x Lockout Shell Case / Pouch
2x Red Safety Lockout Padlocks (KD)
1x Non-Conductive Lockout Hasp - 6 holes
1x Pneumatic Lockout
1x MCB Lockout Pin Out Standard
1x MCB Lockout Pin In Standard
1x MCB Lockout Pin Out Wide
1x Miniature Circuit Breaker Lockout Tie bar
1x Universal Fuse Circuit Breaker Lockout
1x Universal Extra Large Circuit Breaker Lockout
1x Universal Circuit Breaker Lockout
1x Pack (10) of 'Do not operate' tags
1x Universal MCB Lockout
1x Ultra-fine Permanent Pen

15 PIECES

| Product Number | Description | Order Code MTL-950 |
|---|---|---|
| LOK251 | Maintenance Kit | -9004K |

## MATLOCK Lockout Tagout Kit

Pre-selected kit designed to cover the most common uses in industry. Supplied in a handy carrying bag, it provides a convenient choice for all lockout uses.

**LOK116**
14 Piece Kit contents:
1x 300mm lockout bag
1x Small ball valve lockout
1x Multi-purpose cable lockout
1x 25mm Vinyl coated hasp
1x 38mm Vinyl coated hasp
2x Red safety lockout padlocks (KD)
1x Pack (10) of 'Do not operate' tags
1x Ultra-fine permanent pen
1x Caution Lockout in operation A-Board
1x Adjustable gate valve
1x MCB Lockout Pin Out Standard
1x Universal MCB lockout
1x Pneumatic lockout

14 PIECES

| Product Number | Description | Order Code MTL-950 |
|---|---|---|
| LOK116 | Lockout Kit | -9240K |

## MATLOCK Maintenance Lockout Kit

Pre-selected kits are designed to cover the most common uses in industry. Supplied in a handy carrying case or bag, they provide a convenient choice for all lockout users.

**LOK230**
13 Piece Kit contents:
1x Lockout Shell Case/Pouch
2x Red safety lockout padlocks (KD)
2x Single Tag with Eyelet - (Double Sided)
1x MCB Lockout Pin Out Standard
1x MCB Lockout Pin In Standard
1x MCB Lockout Pin Out Wide
1x Universal Circuit Breaker Lockout
1x Aluminium MCB Lockout Toggle
1x Multi-purpose Cable Lockout 2.5m
1x Non-Conductive Lockout Hasp
1x Ultra-fine permanent pen

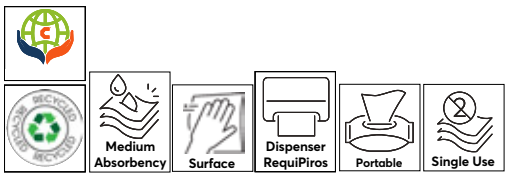
13 PIECES

| Product Number | Description | Order Code MTL-950 |
|---|---|---|
| LOK230 | Maintenance Kit | -9230K |

# HAND TOWELS & WIPER ROLLS

## Centrefeed Wiper
### 2 ply, 375 sheets per roll x 6 rolls

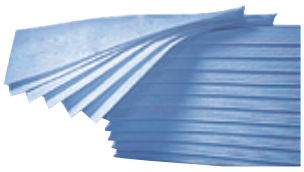
- Roll width: 190mm
- These super-absorbent centrefeed rolls are ideal for a range of uses and professional settings
- Made from recycled material
- This sustainable wiping and drying solution is strong even when wet, making it a long-lasting and economical choice
- Versatile rolls can be used individually or with a dispenser
- Dispenses as much as required for user convenience and reduced waste
- Made in the UK for a reduced carbon footprint

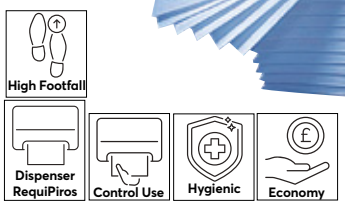



| Product Type | Order Code SOL-952 |
|---|---|
| White | -2500G |
| Blue | -2550H |

## Northwood® Hand Towels
### Of Fold, 1 ply, Blue, 3600 Towels

- High quality 1-ply paper towels
- For the most cost efficient and hygienic solution to hand drying
- When the towel is pulled out the next towel is presented for use - eliminates problems associated with cross-contamination of towels in medical and food industry applications
- Dispenser is fully lockable and supplied with keys






| Product Type | Order Code SOL-952 |
|---|---|
| Hand Towels | -2700M |

## Perform® Rolled Wiper
### 2 ply, 400m per roll x 2 rolls

- Roll width: 260mm
- Unperforated design allows you to cut or tear the product to your desired size to suit your required application
- Compatible with floor stands and similar types of dispensers to allow for ease of access to the product at all times

| Colour | Order Code SOL-952 |
|---|---|
| Blue | -2800N |

## Hygiene Roll
### 2 ply

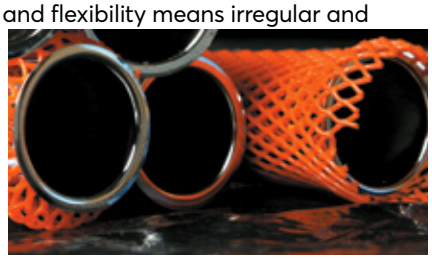
- 250mm wide
- Portable and ideal for light wiping tasks
- Perforated sheets allow for easy change and replacement system
- Hygienically wrapped for reduced contamination risk

| Colour | Sheets Per Roll | Pack Qty | Order Code SOL-952 |
|---|---|---|---|
| Blue | Continuous | 24 rolls | -2950R |

## AVON Global Protective Sleeving Reels

Exceptional, effective and economical protection for all kinds of products.

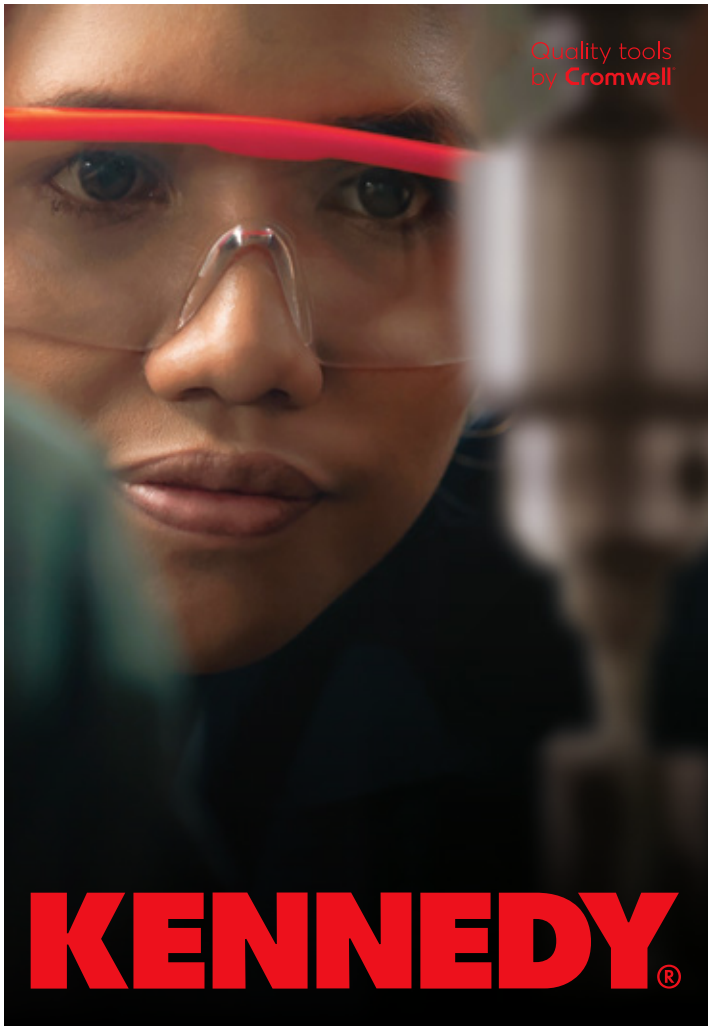
- Ideal protection for machined components during production and storage.
- Also widely used to protect ceramics, glass and other fragile components/products through storage and distribution.
- Designed to help prevent both surface and impact damage.
- 'Cushion' products during transportation.
- 6 colour-coded sizes.
- High stretch capability handles products/components up to 400mm diameter.
- Exceptional formability and flexibility means irregular and intricate shapes can be protected.
- Supplied in purpose-designed dispenser cartons.



**Sampling**
We will be pleased to supply samples of Avon protective sleeving for assessment. **Please contact us.**

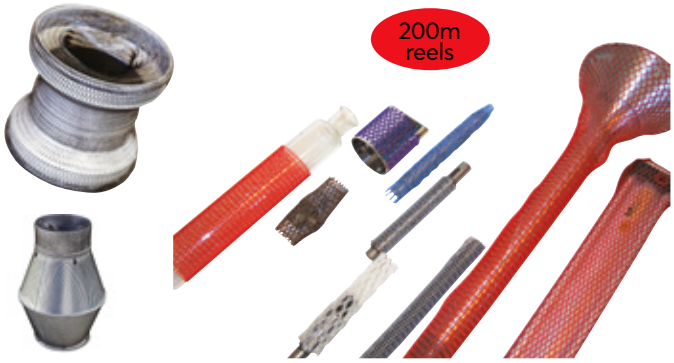
Universal Sample Boxes **AVN- 956- 2000K**

| Colour | Diameter Range | Overall Length | Order Code AVN-956 |
|---|---|---|---|
| Orange | 6-17 | 250m | **-4260K** |
| Black | 10-25 | 250m | **-4130K** |
| Violet | 25-60 | 50m | **-5500K** |
| Red | 50-100 | 50m | **-4060K** |
| Yellow | 100-200 | 50m | **-4800K** |
| Royal Blue | 200-400 | 50m | **-5000K** |
| Black | 400-800 | 50m | **-5140K** |




## AVON Nordic Protective Sleeving Reels

A cost-effective method of protecting goods against surface damage to components, during transportation and storage. The sleeve forms around all objects from cylindrical or more complex shapes and minimises surface scratching, scuffing and indentations. Remains soft and flexible between temperatures ranging from - 40°C to + 85°C. Resistance to grease, oil, water and some acids, available in a variety of colours, is reusable. Supplied on 200m reels that you can cut to the exact size required.




| Colour | Diameter Range | Overall Length | Order Code AVN-956 |
|---|---|---|---|
| Natural | 7-30 | 200m | **-6204D** |
| Voliet | 10-25 | 200m | **-6208H** |
| Blue | 20-70 | 200m | **-6212L** |
| Pink | 50-130 | 200m | **-6215P** |
| Black | 100-200 | 200m | **-6220V** |

## AVON Superior Protective Sleeving Hanks & Reels

- Manufactured from inert and chemical-resistant polymers
- Neat and easy to use at any stage of the manufacturing process
- Can stay in place through to end use and can 'add value' at retail
- Heavy gauge/small aperture
- High level protection
- 11 colour-coded sizes
- Tried and tested over many years

| Colour | Diameter Range | Overall Length | Order Code AVN-956 |
|---|---|---|---|
| Red | 6 - 13 | 50m Hank | **-0060K** |
| Black | 13 - 26 | 50m Hank | **-0130K** |
| Orange | 26 - 40 | 25m Reel | **-0260K** |
| Brown | 40 - 50 | 25m Reel | **-0400K** |
| White | 50 - 65 | 25m Reel | **-0500K** |
| Grey | 65 - 80 | 25m Reel | **-0650K** |
| Yellow | 80 - 100 | 25m Reel | **-0800K** |
| Blue | 100 - 125 | 25m Reel | **-1000K** |
| Green | 125 - 160 | 25m Reel | **-1250K** |
| Straw | 160 - 190 | 25m Reel | **-1600K** |
| Royal Blue | 190 - 225 | 25m Reel | **-1900K** |

**High Stretch**

| Colour | Diameter Range | Overall Length | Order Code AVN-956 |
|---|---|---|---|
| Pink | 20 - 45 | 50m Hank | **-2200K** |
| Purple | 40 - 80 | 50m Reels | **-2400K** |
| Green | 75 - 125 | 25m Reels | **-2750K** |

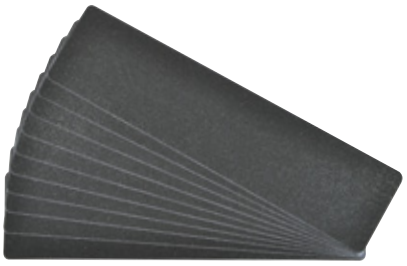
# ANTI-SLIP FLOOR TREADS / HAZARD TAPES



## Anti-Slip Cleats

Provides extra grip on smooth surfaces. Hard wearing, durable and easily installed.
Pad size 610mm x 150mm. Supplied in black.

**General Purpose**
Ideal for stairways, ramps, ladders and machine footplates.



| Size | Pack Quantity | Order Code AVN-964 |
|---|---|---|
| 610 x 152mm | 5 | -5240K |
| | 10 | -5250K |
| | 5 | -5320K |
| | 10 | -5330K |

## Barrier Tape, Lane & Hazard Tape

High quality self-adhesive diagonal stripe hazard tape. High grade PVC.

**Hazard Warning Tape**
**Conventional usage:**

For low head room, obstructions to be avoided, changes in floor levels, mobile equipment and placing around warning notices.

For locating fire equipment, placing around prohibition and indicating inflammable areas.

For placing around fire escapes, safety equipment, first aid posters and equipment and breathing apparatus.

| Colour | Width x Length | Weight | Order Code AVN-964 |
|---|---|---|---|
| White | 50mm x 33m | 400g | -4020B |
| Yellow | 50mm x 33m | 400g | -4010A |
| Yellow/Black | 50mm x 33m | 400g | -4030C |
| Red/White | 50mm x 33m | 400g | -4040D |
| Green/White | 50mm x 33m | 400g | -4080H |
| Green | 50mm x 33m | 400g | -4050E |
| Blue | 50mm x 33m | 400g | -4060F |
| Black | 50mm x 33m | 400g | -4070G |
| Red | 50mm x 33m | 400g | -4090J |
| Yellow/Black | 75mm x 33m | 600g | -4230C |

## Anti-Slip Self Adhesive Floor Tape

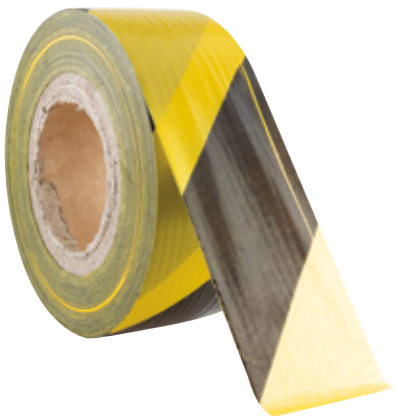
Provides extra traction on slippery surfaces such as hazardous floor areas, industrial machinery, playgroup apparatus, stair treads and various other potentially slippery areas. It is designed to provide a quick, effective and economical solution to the problem with a self-adhesive back for ease of installation. It can be used indoors or outdoors and is resistant to water, motor oil, detergents, solvents and UV light, providing a wide variety of anti-slip solutions.

| Colour | Width (mm) | Order Code AVN-964 |
|---|---|---|
| Black | 50 | -5360K |
| | 100 | -5370K |

## Non-Adhesive Barrier Hazard Tapes

Diagonal stripe. (30 micron). Supplied in dispenser box.

**Size:** 75mm x 500m.



| Colour | Width x Length | Weight | Order Code AVN-964 |
|---|---|---|---|
| Red/White | 75mm x 500m | 1130g | -3750K |
| Yellow/Black | 75mm x 500m | 1130g | -3760K |

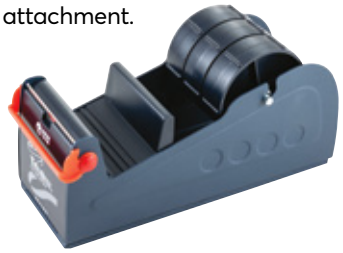
## Heavy Duty Desk Dispenser

Ideal for post rooms, offices and the warehouse. Rubber feet protect surface and prevent dispenser from slipping. Takes large rolls of tape up to 50mm wide and 66m long. Can be screwed to bench.

| Order Code AVN-979 |
|---|
| -1100K |

## Heavy Duty Desk Dispenser

Heavy duty metal dispenser for 1x 75mm x 66m roll or 3x 25mm x 66m length rolls on a 75mm core.
Comes with blade protection attachment.



| Order Code AVN-979 |
|---|
| -1110K |

## Clamp-on Tape Dispenser

Clamps to benches or work tops, for use with 75mm core tapes. Holds 1x 50mm width or 2x 25mm width tapes.

| Order Code AVN-979 |
|---|
| -1150K |

## Tape Dispensers

Sturdy construction with non-reversing plate and fixed brake. For use with 76mm core tapes.

| Width | Order Code AVN-979 |
|---|---|
| 50mm | -2370K |

## Unwired Plastic Tags

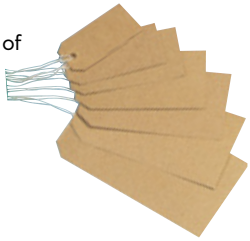
White plastic tags with rounded corners. 250Mu. Metal ties available to purchase separately.

| Size mm | Pack Qty | Order Code AVN-966 |
|---|---|---|
| 100 x 45 | 500 | -0300K |
| 110 x 55 | 500 | -0310K |
| 120 x 70 | 500 | -0320K |

## Identification Tags With String

Strong, high quality tags ideal for a wide range of uses. Made from 100% recycled board. Reinforced with washers for added strength. Available in buff, blue, green, red, white and yellow.

Please note, colours are for guidance only.



| Colour | Size | Quantity | Dimensions (mm) | Order Code AVN-966 |
|---|---|---|---|---|
| Buff | 1 | 1000 | 70 x 35 | -0020K |
| | 2 | 1000 | 82 x 41 | -0030K |
| | 3 | 1000 | 96 x 48 | -0040K |
| Buff | 4 | 1000 | 108 x 54 | -0050K |
| | 5 | 1000 | 120 x 60 | -0060K |
| Blue | 6 | 1000 | 134 x 67 | -0070K |
| Green | 2 | 250 | 120 x 60 | -0080K |
| Red | 2 | 250 | 120 x 60 | -0090K |
| White | 2 | 250 | 120 x 60 | -0100K |
| White | 2 | 250 | 120 x 60 | -0110K |
| Yellow | 2 | 250 | 120 x 60 | -0120K |

## Magnetic Easy-Wipe Racking Strip

A flexible magnetic strip which adheres to any steel surface. Easily cut to size with a gloss vinyl surface that can be written on. For use with drywipe pens and solvent cleaner for wiping. 10m white rolls.

| Label Dim W x L | Order Code AVN-966 |
|---|---|
| 20mm X 10m | -0130K |
| 30mm x 10m | -0140K |
| 50mm x 10m | -0150K |

## Magnetic Self-Adhesive Strip

Backed with a strong, permanent self-adhesive for mounting items onto steel surfaces. Suitable for countless tasks at home, in the office, factory or warehouse. Avoids the need to drill or glue creating portable and removable fixings for signs, holders etc. Can be applied in seconds and adheres to any ferrous surface.

| Label Dim W x L | Order Code AVN-966 |
|---|---|
| 12.70mm x 30m | -0160K |
| 20mm x 10m | -0170K |

## Cargo Strap

Moulded out of custom compounded rubber (50%) with reinforced ends. Strong end hooks, zinc-plated for added rust protection.

| Size (L x W) | Width each | Order Code MTL-978 |
|---|---|---|
| 400 x 40m | 134g | -4200K |

## MATLOCK Polished Cotton Rope

6mm x 10m hank. No.8 type. Solid 12 braid construction. Centre core. 100% pure cotton. Traditional red spot design. Polished finish for longer life. Round section. High abrasion resistance. Moisture-resistant. Low stretch. Smooth running. For sash window repair and industrial and domestic pulley systems.

| Size<br>Dia x Length | Weight<br>each | Order Code<br>**MTL-978** |
|---|---|---|
| 6mm x 10m | 385g | **-5910K** |

## Ropes

Scan the QR code

See our range

# MASKING / BONDING TAPES

## Benefits

- Ideal for Painting
- Holding power that resits lifting or curling
- Tearable
- Resists Solvents and moisture no bleed through of paints
- Sharp paint lines

## Economy

### SENATOR QUALITY TOOLING General Purpose Masking Tape

An everyday masking tape that can be used on most surfaces.
Temperatures up to 60 degrees.

| Width x Length | Order Code SEN-980 |
|---|---|
| 19mm x 50m | -0019D |
| 25mm x 50m | -0025K |
| 38mm x 50m | -0038M |
| 50mm x 50m | -0050R |
| 75mm x 50m | -0075V |

## General Purpose - Masking Tapes

### AVON Masking Tape

Suitable for walls and glass. Leaves no residue. For use in temperatures up to 105°F/60°C.

| Width x Length | Order Code AVN-980 |
|---|---|
| 19mm x 50m | -2020K |
| 25mm x 50m | -2030K |
| 38mm x 50m | -2040K |
| 50mm x 50m | -2050K |
| 75mm x 50m | -2060K |

### AVON 14 Day Blue Masking Tape

A high quality blue creped paper masking tape with an acrylic adhesive.

| Width x Length | Order Code AVN-980 |
|---|---|
| 25mm x 10m | -0030K |
| 50mm x 10m | -0040K |
| 25mm x 50m | -0010K |
| 50mm x 50m | -0020K |

### AVON Masking Tape

**Auto Grade**
High grade. Easily removed. Suitable for spray or paint masking and temperatures up to 150°F/80°C.

| Width x Length | Order Code AVN-980 |
|---|---|
| 12mm x 50m | -1020K |
| 19mm x 50m | -1030K |
| 25mm x 50m | -1040K |
| 38mm x 50m | -1050K |
| 50mm x 50m | -1060K |
| 75mm x 50m | -1070K |

## Bonding Tapes

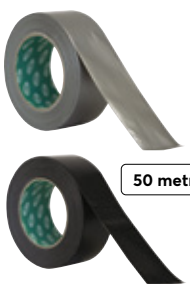
### AVON Double-Sided Tape

Double-sided tissue tape with a high tack solvent acrylic adhesive. Hand tearable, good conformity, stable liner, excellent ultraviolet and plasticiser resistance.

| Width x Length | Order Code AVN-981 |
|---|---|
| 25mm x 10m | -5900K |
| 25mm x 33m | -6010K |
| 25mm x 50m | -5910K |
| 50mm x 10m | -6030K |
| 50mm x 33m | -6020K |

### AVON Waterproof Cloth (Duct) Tape

Seals from air and completely waterproof - unaffected by humidity. Made from a lamination of polythene film cotton cloth and extremely strong rubber resin adhesive.
Can be cleanly removed when used for temporary repairs. **For applications where long term protection is required use 'Silver LT' tape.**




| Colour | Order Code AVN-981 |
|---|---|
| **50mm x 10m** | |
| Silver | -3010K |
| Black | -3250K |
| **50mm x 50m** | |
| Silver | -3060K |
| Black | -3260K |
| **75mm x 50m** | |
| Silver | -3070K |
| Black | -3280K |

# BONDING TAPES

## High Bonding Key Benefits

- Invisible bonding
- Eliminates visible fasteners
- High Strength
- Speeds up processes
- Built to withstand exposures like Hot cold UV light moisture and solvents
- Energy absorbent in the foam

## High Bonding

### Hi-Bond Acrylic Double-Sided Foam Tape

High bond double-sided tape that bonds metals, plastics and glass. Strong enough to replace rivets, bolts, welds and other mechanical fixings. Vibration resistant and weatherproof.

| Colour | Thickness x Width | Order Code AVN-981 |
|---|---|---|
| | Roll Length 10m | |
| Grey | 0.8 x 12mm | -1710K |
| | 0.8 x 19mm | -1720K |
| | 0.8 x 25mm | -1730K |
| Clear | 1.0 x 12mm | -1740K |
| | 1.0 x 19mm | -1750K |
| | 1.0 x 25mm | -1760K |
| White | 1.1 x 12mm | -1770K |
| | 1.1 x 19mm | -1780K |
| | 1.1 x 25mm | -1790K |
| | Roll Length 33m | |
| Grey | 0.8 x 12mm | -1810K |
| | 0.8 x 19mm | -1820K |
| Clear | 1.0 x 12mm | -1840K |
| | 1.0 x 19mm | -1850K |
| | 1.0 x 25mm | -1860K |
| White | 1.1 x 12mm | -1870K |
| | 1.1 x 19mm | -1880K |
| | 1.1 x 25mm | -1890K |

**Priced per roll**

### Waterproof Cloth (Duct) Tape

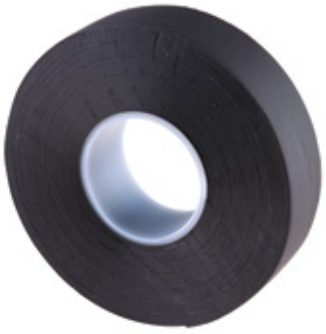
Seals from air and completely waterproof - unaffected by humidity. Made from a lamination of polythene film cotton cloth and extremely strong rubber resin adhesive.
Can be cleanly removed when used for temporary repairs. **For applications where long term protection is required use 'Silver LT' tape.**

**50 metres**

| Colour | Order Code AVN-981 |
|---|---|
| **50mm x 50m** | |
| Silver LT | -0810K |

### Avon Rubber Pipe Repair Tape

- Impervious to water, vapour, heat, light, seawater and much more
- Low odour, solvented
- Has a multitude of uses



| Width x Length | Order Code AVN-981 |
|---|---|
| 25mm x 10m | -0940K |

### Avon Coloured Waterproof Cloth (Duct) Tape

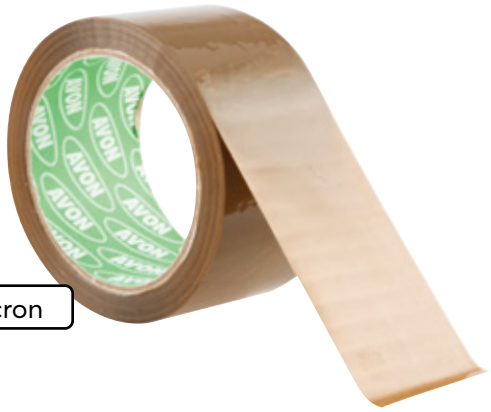
Seals from air and completely waterproof - unaffected by humidity. Made from a lamination of polythene film cotton cloth and extremely strong rubber resin adhesive. Highly flexible and can be torn easily by hand. Can be cleanly removed when used for temporary repairs. **Roll size:**
50mm x 50m.

**50 metres**

| Colour | Order Code AVN-981 |
|---|---|
| Blue | -3100K |
| Green | -3120K |
| Red | -3140K |
| White | -3160K |

## AVON Polypropylene Carton Tape

With rapid release from the roll, best applied with a dispenser fitted with a brake.




| Colour | Order Code AVN-981 |
|---|---|
| **Roll Size: 50mm x 66m** | |
| Buff | **-1060K** |
| Clear | **-1070K** |

## AVON Coloured Polypropylene Tape

With rapid release from the roll, best applied with a dispenser fitted with a brake.
**Size:** 50mm x 66m.

| Colour | Order Code AVN-981 |
|---|---|
| White | **-1080K** |
| Red | **-1090K** |
| Blue | **-1100K** |
| Green | **-1110K** |
| Yellow | **-1120K** |

## AVON High Grade Vinyl Carton Tape

35µ film thickness, silent and slow release. Can be torn using your fingertips, avoiding the need for a dispenser. 76mm core.
**Roll Dim:** 50mm x 66m.

| Colour | Order Code AVN-981 |
|---|---|
| Clear | **-2070K** |

## AVON High Grade Vinyl Sealing Tape

Waterproof low-static vinyl film is impact resistant and has excellent adhesive strength.
**Standard:** (35 mic).
**Heavy duty:** (50 mic). 76mm core.
**Roll Size:** 50mm x 66m.

| Type | Order Code AVN-981 |
|---|---|
| Standard | **-2060K** |
| Heavy Duty | **-2260K** |

## AVON Gummed Paper Tape

Water-activated gum paper tape which penetrates into the fibres of the carton creating a total bond. This adds considerable strength to the closure and is also a solution to pilfering, contamination, counterfeiting and tampering. Used for sealing cartons and also sealing the backs of picture frames. 200m rolls.
**Tamper Evident and 100% Recyclable**

| Width | Order Code AVN-981 |
|---|---|
| 70mm x 200m | **-1530K** |
| 48mm x 200m | **-1520K** |

## AVON Coloured Vinyl Tape Rolls

Self-adhesive Coloured vinyl tapes for general packing applications. The industrial quality 35mu carrier film and solvent adhesive makes it better for freezer/coldstore environments.
**Size:** 25mm x 66m

| Colour | Order Code AVN-981 |
|---|---|
| Red | **-2300K** |

# MESSAGE / PACKAGING TAPES



## AVON Printed Message Tapes

- Printed polypropylene tapes with low noise action and easy to read messages.
- Pre-printed with handling instruction and quality control information to warn carriers and ensure that your parcels and cartons are delicately handled, helping fragile goods or liquids to arrive safely.
- Clearly printed red on a white background. Can be used with pistol grip or bench dispensers.

**Size:** 50mm x 66m.

**Price per roll.**

| Message | Order Code AVN-981 |
|---|---|
| Scrap | -6240K |

## KENNEDY Low Tac Red Tape

Low adhesive strength tape. Suitable for temporarily positioning labels, etc. Can be peeled off without damaging the contact surface.

| Width x Length | Order Code KEN-981 |
|---|---|
| 25mm x 66m | -6200K |

## KENNEDY P.T.F.E. Tape

**Gas Type:** 12mm x 5m roll.
For gas and hot water pipes.
**BS EN 751:3**.

**Water Type:**
12mm x 12m roll.
For hot and cold water pipes.
**BS 6920 & BS 7786**.

**P.T.F.E. Thread Sealing Tape:**
25mm x 12m roll.**EN571**.

| Description | Order Code KEN-983 |
|---|---|
| Gas | -8000K |
| Water | -9000K |
| Thread Sealing Tape | -9010K |

## AVON Polypropylene Carton Tape

With rapid release from the roll, best applied with a brake.

25 Micron

| Colour | Order Code AVN-981 |
|---|---|
| **Roll Size: 72mm x 66m** | |
| Buff | -5340K |
| Clear | -5350K |


## Adhesive Tapes

See our range

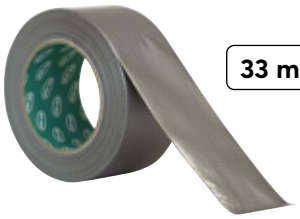
Scan the QR code

# INDUSTRIAL / INSULATION TAPES



## AVON Triple Strength Cloth Tape

Has a unique super aggressive adhesive that bonds to everything. Its unique polythene backing is tough and durable and 100% waterproof. Tape will not twist and curl.



**33 metres**

| Colour | Size | Order Code AVN-981 |
|---|---|---|
| Silver | 50mm x 33m | -5140D |

## AVON Aluminium Foil Tape

**4123**
30 micron, with liner and a high tack hot melt rubber adhesive. For joining foil-faced insulation panels and metal ducting.

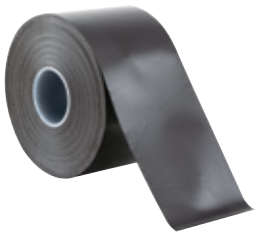
**Service temperature:**
-30°C to 85°C.

**30 Micron**

| Width x Length | Order Code AVN-981 |
|---|---|
| 50mm x 45m | -0070K |
| 75mm x 45m | -0080K |

## AVON Extra Wide PVC Insulation Tape

Extremely flexible with a good adhesion. Flame retardant.
**Colour:** black
**Length:** 33m
Manufactured to **BS 4J10** (Aero) and **BS 3924**.



| Roll Width | Order Code AVN-986 |
|---|---|
| 100mm | -8700K |

## SENATOR QUALITY TOOLING Waterproof Cloth Tape

Ideal for use indoors or outdoors - will withstand harsh weather conditions and can be used for repairs to many surface types. Completely waterproof and unaffected by humidity. Available in black or silver, in 50mm x 50m rolls.

| Colour | Order Code SEN-981 |
|---|---|
| Black | -0050G |
| Silver | -0050S |

## AVON PVC Insulation Tapes

Extremely flexible with a good adhesion. For wire and cable insulation, bundling and reinforcing. Assorted colours for colour-coding cables. Flame retardant.
Manufactured to **BS EN 60454.**

**Thickness:** 0.13mm (5mil).
**Adhesion:** 0.47kg/25mm. (16.5oz/1").
**Tensile strength:** 5.2kg/25mm (11.5lb/1").
**Elongation:** 150%.
**Breakdown voltage:** 5.5kV.
**Insulation class:** 80°C.
***Assorted Colours:**
Black, white, red, blue, yellow, green/yellow, grey, brown.
19mm pack of 8.

| Roll Size (W x L) | Colour | Box Qty | Order Code AVN-986 |
|---|---|---|---|
| 19mm x 33m | Grey | 40 | -7400K |
| | Purple | 40 | -7450K |
| | Orange | 40 | -7500K |
| | Brown | 40 | -7550K |
| | Black | 40 | -7600K |
| | Blue | 40 | -7650K |
| | Green | 40 | -7700K |
| | Red | 40 | -7750K |
| | White | 40 | -7800K |
| | Yellow | 40 | -7850K |
| | Green/Yellow | 40 | -7950K |
| | Assorted | - | -8920K |
| 25mm x 33m | Black | 30 | -8100K |
| | Blue | 30 | -8150K |
| | Green | 30 | -8200K |
| | Red | 30 | -8250K |
| | White | 30 | -8300K |
| | Yellow | 30 | -8350K |

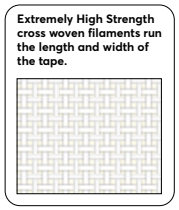
## Duct Tapes

See our range

Scan the QR code

## AVON Filament Tape

Clear polypropylene film, reinforced with glass fibre filaments which are cross-woven into an aggressive high shear adhesive to give high strength. Used for heavy reinforcement, high security sealing. Adheres to all paper, card and plastics.




**145 Micron**

| Width | Pack Qty | Order Code AVN-981 |
|---|---|---|
| | **50m** | |
| 19 | 64 | **-0060K** |
| 25 | 48 | **-0010K** |
| 38 | 24 | **-0020K** |
| 50 | 18 | **-0030K** |
| 75 | 18 | **-0040K** |
| 100 | 18 | **-0050K** |

## AVON Gummed Paper Dispenser

Suitable for plain and reinforced tape up to 77mm wide. Easy tape length setting and dispenses up to 76cm of tape in one stroke. Uniform wetting and clean cutting.

| Width | Order Code AVN-979 |
|---|---|
| 80mm | **-0020K** |

## AVON Ultimate Double-Sided Tapes

- Fibre reinforced for improved durability and added strength
- White
- Length: 5m
- For permanent bonds.

| Width x Length | Order Code AVN-981 |
|---|---|
| 25mm x 5m | **-6110K** |
| 50mm x 5m | **-6120K** |

## AVON Anti-Corrosion Tapes

- Grease impregnated petrolatum tape
- Self-adhesive and waterproof
- Requires minimal preparation
- Protects water and gas pipes, cables, mechanical joints, valves, metal surfaces and tensioning bars against corrosion
- Length: 10m
- Conforms to British Gas Standard **BG/PS/CW2**

| Width x Length | Order Code AVN-981 |
|---|---|
| 50mm x 10m | **-7100K** |
| 75mm x 10m | **-7110K** |
| 100mm x 10m | **-7120K** |
| 150mm x 10m | **-7130K** |

## AVON Variable Length Tape Dispenser

Precision-made, durable gummed paper tape dispensers can produce measured lengths with optimum moistening to reduce tape waste and ensure the best seal. Manual pull and tear dispenser, roller moistens as tape is pulled forwards.

**Max. Tape width: 80mm.**

**Not suitable for reinforced gummed paper tape.**

| Product Number | Order Code AVN-979 |
|---|---|
| BP333 | **-1000K** |

## AVON Bag Neck Sealer

Can be used to seal food bags, storage bags and can also be used with flat plastic tubing. Heavy duty metal with a corrosion-resistant paint finish. Has a metal base with foam anti-slip pads fitted and can also be fixed to table or desk by four screws for stability. 10mm neck opening for use with tape up to 12mm wide x 66m on 75mm cores.

| Core Diameter | Order Code AVN-979 |
|---|---|
| 75mm | **-0010K** |

## KENNEDY Mono Filament Strapping Tape

- Manufactured from polypropylene with reinforced glass fibre
- High tensile strength
- Abrasion resistant for durability
- 50 metre length tape to ensure you have an ample amount to hand

| Quantity Pack | Order Code KEN-981 |
|---|---|
| 1 | **-4850K** |

## Double Sided Tapes

See our range

Scan the QR code

## MATLOCK Service Trolley

**3 Shelf Trolley**
Super strong polyethylene moulded. Constructed from a non-conductive material which is unaffected by battery acid, solvents and cleaning solutions.

**Overall dimensions (L x W x H):**
610 x 458 x 840mm.

| Load Capacity | Order Code MTL-985 |
|---|---|
| 150kg | **-3220K** |

## MATLOCK Access Platform

Non-integrated working platform fitted with foldaway rear guard. Meets the requirements of **HSE Guidance Note PM28 (3rd Edition December 2005).**

Lifts 200kg or one man with tools. Comes with rated fixed safety harness anchor point within the safety cage. Fits most forklift trucks, is manufactured from steel and finished in safety yellow.

**Specifications:**

800 x 800mm carry basket.
Fitted with foldaway rear guard.
Locking fork restraint.
Lift up front gate bar.
Fixed anchor point.

**Weight:** 68kg.

**Fork Dimensions:** 170 x 70mm.

| Weight | Order Code MTL-985 |
|---|---|
| 68kg | **-1430A** |

From start to finish

Your No. 1 choice for abrasive supplies

A comprehensive range of abrasive products – all backed with expert knowledge and support.

Visit our website to find out more

Keeping Industry Working™

## MATLOCK Heavy Duty 'P' Handle Sack Truck

'P' style handle for easy handling of heavy objects. Handle design keeps truck horizontal when laid flat. All tubular steel construction. Large 250mm pneumatic wheels for stable transport over uneven or stepped surfaces.
Self-assembly wheels.
**Weight:** 8.8kg

200kg Capacity

| Lifting Capacity | Order Code MTL-985 |
|---|---|
| 200kg | -1610K |

## MATLOCK Heavy Duty 3-in-1 Truck

A multi-purpose truck which easily and quickly converts from a basic sack truck to a four wheel sack truck or platform truck.
**Height - horizontal:** 260mm,
**- vertical:** 1280mm.
**Width:** 470mm.

250kg Capacity

| Lifting Capacity | Order Code MTL-985 |
|---|---|
| 250kg | -0998K |

## MATLOCK Folding Platform Truck

Lightweight aluminium frame. Telescopic handle and extendable platform for longer loads. Folds flat for easy storage. 2x fixed and 2x 360° 100mm diameter solid rubber castors.
**Base size (W x L):** 420 x 570/725mm.

150kg Capacity

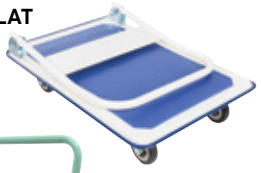
FOLDS FLAT

| Weight | Order Code MTL-985 |
|---|---|
| 8.00kg | -3360K |

## MATLOCK Folding Trolleys

Non-slip PVC load surface. Tubular steel handle folds flat for minimal storage space requirements. 2x fixed and 2x swivel castors for easy movement. PVC buffer strip on the platform edge to protect doors and furniture. Ideal for office environments.

FOLDS FLAT



300kg Capacity

**Platform size:** 875 x 575mm.

150kg Capacity

**Platform size:** 738 x 479mm.

| Capacity | Weight each | Order Code MTL-985 |
|---|---|---|
| 150kg | 8.5kg | -3600K |
| 300kg | 15.2kg | -2060K |

## MATLOCK Pallet Trucks

Fully sealed hydraulic system with pressure relief and overload valves. Three position trigger: lift-neutral-lower. Bushed in key areas with grease points and entry/exit rollers.
**National standards: ISO3691-5:2014 and ISO3691-7:2011.**

**Raised height:** 200mm.
**Lowered height:** 85mm.
**Steer wheels:** nylon 200 x 50mm.
**Load rollers:** tandem - 80 x 70mm.

2500kg Capacity

| Capacity | Fork Size (L x W) (mm) | Order Code MTL-985 |
|---|---|---|
| 2500kg | 1150 x 540 | -1290K |
| 2500kg | 1150 x 685 | -1300K |

## MATLOCK Mini Compact Folding Sack Trucks

- Easy and convenient folding design
- Lightweight yet durable Aluminium construction
- Units can be stored or transported in confined spaces
- 60kg Capacity

| Capacity kg | Order Code MTL-985 |
|---|---|
| 60 | -1650K |

## MATLOCK Platform Truck

Strong and manoeuvrable on two fixed and two swivel 200mm rubber castors. Heavy duty veneer supported by a steel frame.

**Dimensions (L x W):**
1000 x 700mm

| Type | Order Code MTL-985 |
|---|---|
| Hand Drawn | -1500K |

## MATLOCK Compact Folding Sack Trucks

- Easy and convenient folding design
- Lightweight yet durable Aluminium construction
- Units can be stored or transported in confined spaces
- 90kg Capacity

| Capacity kg | Order Code MTL-985 |
|---|---|
| 90 | -1660K |

## MATLOCK Step-A-Truck

Simple and easy to convert from steps to sack trucks. Neat and compact with large toe plate and wide step treads. Comply to **EN131** Standard.

**Toe plate size:** 390 x 280mm.
**Tread size:** 375 x 210mm.

**Dimensions: (W x D x H)**
**3 Tread:**
**Folded:** 470 x 90 x 1265mm.
**Sack truck:** 490 x 450 x 1265mm.
**Step unit:** 470 x 735 x 1190mm.
**Platform height:** 750mm.

| Description | Order Code MTL-985 |
|---|---|
| 3 Tread Step | -1840K |

## MATLOCK Three Position Platform/Sack Truck

Large 200mm solid rubber sack truck wheels. Two 360° platform truck castors for easy manoeuvrability. Removable handle for easy storage. Flat packed for user assembly.

| Weight each | Order Code MTL-985 |
|---|---|
| 8.6kg | -2090K |

# Z-Barrier™

## Effective solution that guarantees satisfactory BARRIER CONTROL in any environment

Traditional systems for controlling people traffic using standard barriers connected via a chain or belt going pole to pole are associated with the continuous problems of maintaining a safe place to work. Even expanding barriers or self-retractable barriers could break, fall down or blow away exposing people to unnecessary and unacceptable risk. The cumbersome nature of the sturdier systems also limits their usability, making them less flexible and impairs their portability. These problems are magnified in areas that have to cope with work space restrictions and hazardous working conditions such as those found in the offshore gas and oil industry. Barriers are a key requirement of the Health and Safety (Safety Signs and Signals) Regulations.
The 'Of-Barrier' system is the most innovative improvement in temporary safety barriers and provides an effective solution that guarantees satisfactory barrier control in any work environment. 'Of-Barriers' are patent pending for the unique design that ensures barriers are prominent and remain in position, for all physical and environmental conditions.
Manufactured from a unique, reinforced PVC-based double-sided warning tape, with a high visibility day glow pattern on one face and a night reflective pattern on the other face.
These are the most visible barriers available on the market today. Quick and easy to put up, they are easily fastened to any anchor point or each other, providing a flexible barrier across any opening, around objects or in multiple directions. Elastic properties allow 'Of- Barriers' to expand and fit between points instead of being cut to length. They are inherently shock absorbing and resist any degree of wind load to prevent damage.

## MATLOCK Of Barrier System

- Quick and easy to put up, offering immediate barrier control in any environment
- Elastic properties to expand and fit between points, with no need to cut to length
- Manufactured from unique, reinforced PVC-based double-sided warning tape
- Hi-vis day glow pattern on one face, night reflective pattern on the other
- Easily fastened to any anchor point or each other
- Inherently shock absorbing and can resist any degree of wind load

**Individual Of-Barriers**

| Expansion Range | Order Code MTL-992 |
|---|---|
| **White/Red** | |
| 3 - 6m | **-5030K** |
| 2 - 4m | **-5020K** |

## MATLOCK A4 Sign Pockets

(shown above)
The flexible and robust sign pockets were designed to allow users to quickly and effectively create their own signage. All you need is a pen and paper.

| Colour | Order Code MTL-992 |
|---|---|
| Red/White | **-7010K** |

## MATLOCK Post & Chain Barriers

Ideal to cordon off an area or to form a channel for queuing.
Suitable for warehouses, factories, offices, leisure venues etc.
Support posts, bases and chain packs sold separately.

**Chain Support Post with Cap**
**Height:** 910mm. **Diameter:** 50mm.

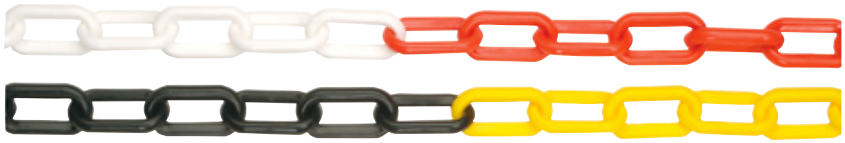
| Colour | Order Code MTL-992 |
|---|---|
| White/Red | **-2840D** |
| Yellow/Black | **-2860F** |

**Chain Support Post Bases**

| Colour | Weight (kg) | Order Code MTL-992 |
|---|---|---|
| Standard | 1.9 | **-2720B** |
| Heavy-Duty | 3.3 | **-2740D** |

**25m Chains**

| Colour | Chain Diameter | Order Code MTL-992 |
|---|---|---|
| Red/White | 6mm | **-2500K** |
| Black/Yellow | 6mm | **-2510K** |
| Red/White | 8mm | **-2520K** |
| Black/Yellow | 8mm | **-2530K** |
| Red/White | 10mm | **-2540K** |
| Black/Yellow | 10mm | **-2550K** |



PRECISION POWER FOR EVERY JOB

Do not compromise. Choose Kobe for unparalleled performance and reliability. Your projects deserve nothing less than the best.

Ready to take your work to the next level? Discover the Kobe difference today and experience excellence at your fingertips!

**Power. Precision. Perfection.**

KOBE™

# Personal Protection

Keeping Industry Working™

Product Groups

# 957 - 963

# Contents


| Description | Group | Page |
|---|---|---|
| **EYE & FACE PROTECTION** | | |
| - Goggles | 960 | **660** |
| - Safety Glasses | 960 | **654 - 659** |
| **FOOTWEAR - SAFETY** | | |
| - Safety Footwear | 963 | **685 - 691** |
| **HAND PROTECTION** | | |
| - Cut Level B | 961 | **669** |
| - Cut Level C | 961 | **668** |
| - Cut Level D | 961 | **667** |
| - Cut Level E / F | 961 | **666** |
| - Disposable | 961 | **677** |
| - Latex Coated | 961 | **672** |
| - Leather | 961 | **674** |
| - Nitrile Coated | 961 | **670, 677** |
| - PU Coated | 961 | **671** |
| - Rigger | 961 | **675 - 676** |
| - Welding | 961 | **673** |

| Description | Group | Page |
|---|---|---|
| **HEAD PROTECTION** | | |
| - Baseball Bump Caps | 957 | **650 - 651** |
| - Safety Helmets | 957 | **650 - 651** |
| **HEARING PROTECTION** | | |
| - Ear Plugs | 958 | **652 - 653** |
| - Ear Defenders | 958 | **652 - 653** |
| **WORKWEAR** | | |
| - Coveralls | 962 | **635** |
| - Hi-Vis | 962 | **681** |
| - Knee Pads | 962 | **678** |
| **WELDER'S CLOTHING & ACCESSORIES** | | |
| - Spare Lenses | 885 | **661** |
| - Welder's Clothing | 885 | **661** |
| - Welder's Helmets | 885 | **661** |

# HEAD PROTECTION

### Hazards

**EN317, EN812**
Impact from falling or flying objects,
Risk of head bumping.

### Options

A range of helmets and bump caps.

**Visit any construction site almost anywhere in the world and safety helmets will be everywhere, providing workers with essential protection from falling objects such as bricks and tools and/or possible structural or equipment head hazards. Safety helmets are also widely used across most industries.**

## Safety Helmets

Available in a variety of styles for individual comfort, including lightweight and vented helmets for additional comfort. Many helmets can now be fitted with accessories such as face shields and ear muffs for added protection.

- Check your safety helmet regularly for signs of damage.
- Don't fix stickers or write on your safety helmet – it could compromise its performance.
- Keep stored away from direct sunlight. Excessive UV can damage helmets (rear parcel shelves in cars are not a good place).
- As a general guide, industrial safety helmets should be replaced after three years but always check the date stamp (this is usually on the peak) and the manufacturer's instruction as some have longer periods.

## Bump caps

Intended to protect against minor bumps to the head, typically from low ceilings or hanging items in the workplace. They should never be used as a substitute for safety helmets since they do not offer adequate protection against falling objects and heavier impacts.

## Safety Helmet & Bump Cap materials

**ABS** safety helmets are made of quality acrylonitrile butadiene styrene, a common thermoplastic material with excellent impact resistance and toughness.

**HDPE** is a much more cost effective material but does require thicker wall thickness to ensure that a safe helmet can be produced. The material is very durable and has a good degree of flexibility allowing for excellent shock absorption properties.

## EN Standards

**There are different safety standards dependant on the use of the Helmets and Bump Caps.**

| | |
|---|---|
| **EN397:2012** | Hard hats are manufactured and tested in the UK to **BS EN 397.** This European standard provides the requirements for manufacturers of hard hats, to ensure minimum materials grades are used in the production of the hard hat, and the requirements of the testing to be undertaken to keep users safe in accordance with the minimum requirements specified in **BS EN 397.** |
| **EN12492:2012** | **Helmets for Mountaineering.** Mountaineering helmets are intended to provide protection against sharp / pointed objects, and so are tested for penetration by sharp objects. The test in **EN 12492** is essentially the same as that specified in **EN 397**, where a 3kg conical striker is dropped onto the helmet from a height of 1 meter, and any contact between the helmet and headform. |
| **EN16321:2022** | This is a safety standard for eyewear and some safety helmets have integrated eyewear. This replaces EN166:2002 Products claiming either standard will be valid during the 5 year transition. |
| **EN 352:2002** | **EN 352-1, -2 and -3** are the basic parts of **EN 352** standard of the hearing protectors. Testing and safety requirements for ear-muffs are in **EN 352-1** and those for earplugs are described in **EN 352-2**. Testing methods for ear-muffs attached to industrial safety helmets are covered in **EN 352-3.** |
| **EN 812:2012** | **EN 812,** relates to bump caps. They are used in the industry to protect the head when it hits hard and static objects that can stun or cause lacerations and superficial injury to the wearer. They are primarilly intended for indoor use but can also be used outside for some businesses. |
| **EN1731:2006** | This standard relates to the Eye and Face mesh protector that attaches to helmets |
| **EN50365: 2002** | This relates to Insulating Helmets for use on low voltage installations, Protection against electric shocks and prevention of dangerous electric current passing through the head. Protection against alternating voltage of up to 1000 V (AC) or direct voltage up to 1500 V (DC). |

## Halo Safety Helmets

- Slots (30mm) for hearing or eye protection accessories
- 6-point textile suspension harness
- Ratchet adjustable headband
- Fleece sweatband
- 12 ventilation holes
- Rain gutter
- EN397: 2012

| Colour | Order Code HAL-957 |
|---|---|
| White | -2361W |
| Blue | -2361B |
| Orange | -2361P |
| Yellow | -2361Y |

## Halo Baseball Bump Caps

- Lightweight and breathable for user comfort
- Reduced sized peak for improved upward vision
- Strap adjustment for a secure fit
- EN 812:2012
- Non-Hi-Vis
- Size range: 54cm - 59cm
- Does not offer protection against large impacts or falls from a height

| Colour | Order Code HAL-957 |
|---|---|
| Navy | -1800K |
| Red | -1801K |
| Royal Blue | -1802K |
| Black | -1803K |

SENATOR® QUALITY TOOLING

**Built to Perform. Designed to Last.**

**Engineered to excel and crafted to endure, tool after tool. Includes an extensive range of products from Tool Kits and Socket Sets to Hammers and Tool Chests.**

# HEARING PROTECTION

## Hazards

Noise – a combination of sound level and duration of exposure. Very high-level sounds are a hazard even with short duration.

## Options

A range of earplugs and earmuffs.

**Many employees are exposed to noise levels at work that may be harmful. According to the Health & Safety Executive, some 11,000 people in the UK suffer deafness, ringing in the ears or other ear conditions caused by excessive noise at work - and the worst thing about hearing damage is that it cannot be reversed.**

**Noise is not a linear scale, an increase of 3dB doubles the noise level. It is not only how loud the noise is, but how long workers are exposed to it that needs to be taken into consideration.**

## What PPE products are available?

There is a wide range of **earplugs** and **earmuffs** available to suit all requirements and ensure protection, comfort and good practice.

Under the new PPE Regulation - and with hearing protection moving to Category III -companies and officers of companies face the prospect of fines if helmet mounted ear defenders have not been properly accredited to the relevant helmet in use.

## Applicable Standards

**EN352-1:2002** Ear Muffs
**EN352-2:2002** Ear Plugs
**EN352-3:2002** Helmet Mounted Ear Muffs
**EN352-4 :2001** Level Dependant Ear Muffs
**EN352-5:2002** Active Noise Reduction Ear Muffs
**EN352-6:2002** Ear Muffs with Electrical Audio Input
**EN352-7:2002** Level Dependant Ear Plugs

## Understanding Noise Levels

Exposing your employees to high noise levels without providing them with adequate protection will cause damage to their hearing. Hearing damage is permanent. Noise is not a linear scale
- an increase of 3dB doubles the noise level:- 83dB(A) is twice as loud as 80dB(A)

**Examples of common noise levels:**

| Noise Activity | Typical Noise Level dB(A) |
|---|---|
| Rocket launching | 180 |
| Jet engine, gunshot | 140 |
| Thunder, impact drill | 130 |
| Jet takeoff (threshold of pain) | 120 |
| Riveter | 115 |
| Chainsaw, car horn | 110 |
| Impact wrench | 102 |
| Fireworks, underground train | 100 |
| Rotary Drill | 95 |
| HGV, lawnmower, arc welder | 90 |
| Alarm clock, hair dryer | 80 |
| Noisy restaurant, business office | 70 |
| Normal conversation | 60 |
| Light traffic, average home | 50 |
| Living room, quiet office | 40 |
| Library, soft whisper | 30 |
| Rustling leaves | 20 |
| Threshold of hearing | 0 |

### Lower Exposure Level

**Action to take:**

1. A range of hearing protectors must be made available to workers exposed to noise. Usage is voluntary.
2. Training provided on safe working, detecting hearing damage, risks of noise exposure and the correct use and fitting of hearing protectors.
3. Audiometric screening should be made available to those at risk of NIHL.

**Exposure Levels:**
Daily 8hr 80dBA
Peak 135dBC

### Upper Exposure Level

**Action to take:**

1. A range of hearing protectors must be made available to workers exposed to noise. Usage must be enforced.
2. Noisy areas must be clearly identified with warning signs.
3. Exposed workers should have audiometric evaluation made available.

**Exposure Levels:**
Daily 8hr 85dBA
Peak 137dBC

### Exposure Limit

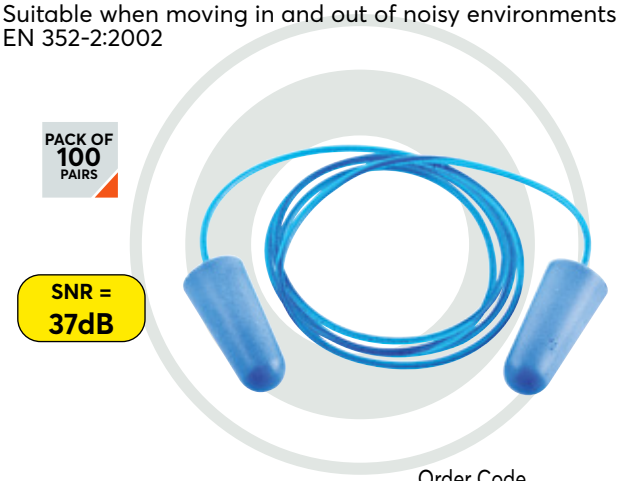
**Action to take:**

1. Maximum level allowed that must not be exceeded.
2. Where exposure to noise varies markedly from day to day the weekly exposure level should be measured and used in place of daily noise exposure.

**Exposure Levels:**
Daily 8hr 87dBA
Peak 140dBC

## Halo Detectable Corded Ear Plugs

- Banded ear plugs can be stored around the neck when not in use
- Suitable when moving in and out of noisy environments
- EN 352-2:2002




| Band Style | Order Code HAL-958 |
|---|---|
| Corded | -1720K |

## Halo Earplug Dispenser

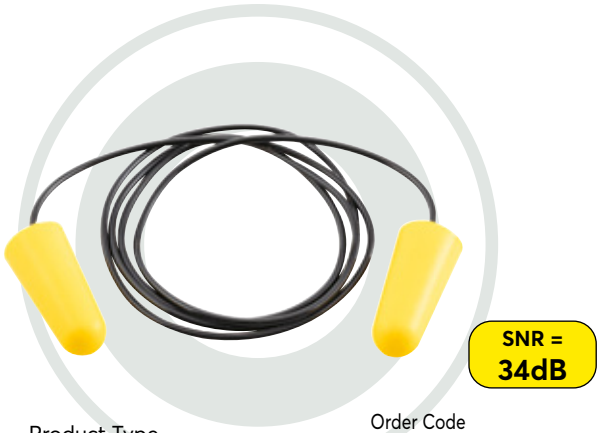
- Durable design for high use areas
- Simple and easy to refill, avoiding prolonged downtime
- Clear plastic lid enables at-a-glance assessment of contents
- Free standing or mountable for convenience
- EN 352-2:2002

| Product Type | Order Code HAL-958 |
|---|---|
| Dispenser | -1740K |
| 200 pack PU Earplugs | -1620K |
| 400 box PU Earplugs | -1600K |

## Halo Corded Ear Plugs

NEW

- EN 352-2:2002
- CAT III




| Product Type | Order Code HAL-958 |
|---|---|
| Corded PU Earplugs | -1640K |

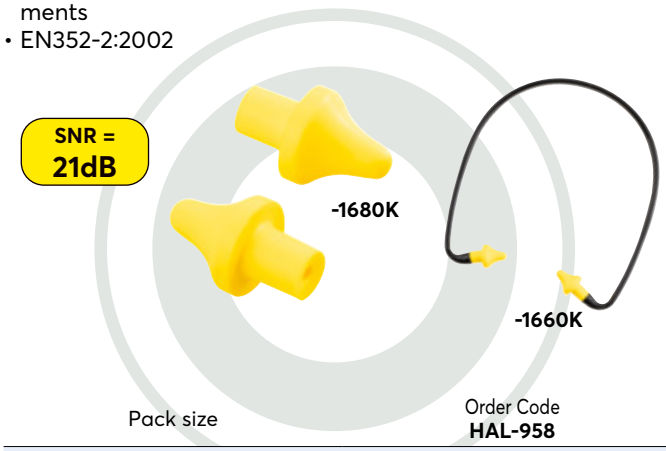
## Halo Reusable Corded Ear Plugs

- Banded ear plugs can be stored around the neck when not in use
- Attenuation: 27dB
- EN352-2:2002

| Band Style | Order Code HAL-958 |
|---|---|
| Corded | -1700K |

## Halo Banded Ear Plugs

- Banded ear plugs can be stored around the neck when not in use
- Suitable when moving in and out of noisy environments
- EN352-2:2002




| Pack size | Order Code HAL-958 |
|---|---|
| Banded Single Pack | -1660K |
| 10 Pack Replacement Ear Plugs | -1680K |

## SITESAFE Ear Defenders

- Flexible headband for comfort

| Type | Order Code SSF-958 |
|---|---|
| Over the Head | -4040K |

# EYE & FACE PROTECTION

### Hazards

Chemical or metal splash, dust, projectiles, gas and vapour, radiation.

### Options

Safety spectacles, goggles, face screens, faceshields, visors.

**You can jeopardise your sight in less than the blink of an eye, so always use safety eyewear as protection when hazardous conditions exist. Areas where there are possible chemical splashes, sparks and ultraviolet radiation are all considered high risk.**

## Applicable Standards

**EN ISO 16321:2022** standard covering safety eyewear offering protection from impact hazards caused by fast moving particles.

**EN170** standard applying to ultraviolet filters. Transmittance requirements and recommended use.

**EN172** specification for sunglare filters used in personal eye-protectors for industrial use.

## European Standards state safety eyewear must be approved to BS EN166.

Safety eyewear must be marked to identify the protection offered.

Safety eyewear must offer eye protection from:

- impact hazards caused by fast moving particles.
- operations such as chipping, grinding and cutting.
- accidental airborne hazards eg. grinding wheel failing or snapping a cutting tool.

The potential impact speed must be assessed before selecting the standard protection. If the hazard could dislodge safety glasses then goggles/face shield should be selected.
When chemical splash is a consideration unvented goggles must be selected to give full eye enclosure protection.

## EN 166 Markings

Standard that all Eye & Face Protection products must conform to

| | |
|---|---|
| **1** | This number specifies the **clarity of the lens.** We only recommend and sell category 1 which is the best rating. |
| **F** | This denotes the **impact protection**:<br>**F** = Low energy impact (45 m/s<br>**B** = Medium energy impact (120m/s)<br>**A** = High EN 16321 energy impact (190m/s)<br>Standard safety glasses will normally only be able to reach an F rating as the impact energy transfers through the lens onto the face. Some safety glasses with a foam seal can now reach a B rating. Goggles and face shield can should have a B rating. When grinding you will need a product with a B rating. |
| **T** | Frame **withstands impacts at extreme temperatures.** |
| **K** | Lens are coated, making them **resistant to surface damage (anti-scratch).** |
| **N** | Lens is **resistant to fogging.**This is different to products that claim to be resistance to misting. |
| **NB.** When grinding we would recommend B (medium impact energy) impact protection. A face shield is best suited when grinding. | |

EN16321:2022 is being introduced to replace EN166. Products claiming either standard will be valid for the 5 year transitional period.

The main on impact are: The steel ball used for the test increases from 22mm/43g to 25mm/66g. The new impact levels are C = 45m/s, D = 80m/s  E = 120m/s.

## Quick Reference

Through the eye and face protection range, there are a number of quick reference logos to help you choose which level of safety is right for you. Below are the logos and their meanings.

Adjustable Frame — Adjustable frames for a superior fit.

Wrap Around — Wraparound single lens provides unobstructed field of vision.

Flame Resistant — Resistant to flames and heat - not flame-proof.

Anti-dust — Designed to minimise dust contamination.

Polycarbonate Lens — Polycarbonate lenses are more impact-resistant and lighter than most types of lens.

Acetate Lens — Has a lower impact energy rating and is more flexible compared to polycarbonate.

Anti-fog — This provides increased safety, while retaining excellent visibility.

UV Protection — Gives a level of protection against harmful UV rays.

Brow Guard — Extended brow guard moulded into the top of the lens gives a near perfect orbital seal against debris.

Side Shields — For greater protection from debris towards the side of the eyes.

Cheek Guard — Glasses which have a larger lens to cover the cheek bone.

Chemical Resistant — Resistant to chemical splashes - not chemical proof.

Scratch Resistant — Hard coated for excellent durability and scratch resistance resulting in unobstructed viewing.

## Standard

Safety glasses are designed to provide protection and clarity of vision. The majority of the products are wrap around style which minimise the gaps between the glasses and the wearers face reducing the risk of an injury.

**Clear Lens** – Suitable for general use in most light conditions

**Amber Lens** – Suitable for use in Low Light conditions by enhancing brightness and contrast

**Blue Lens** – Suitable for use indoors for reducing yellow light and enhancing contrast

**Smoke Lens** – Suitable for use Outdoors and in bright environments for reducing sunlight and glare

**Mirror Lens** – Suitable for use Outdoors for reducing sunlight and glare

**Indoor/Outdoor Lens** – Suitable for frequently working Indoors and Outdoors such as Forklift drivers

**Polarised Lens** – Suitable for Outdoor use by reducing glare and reflections

**Blue Light Lens** – Suitable for reducing blue light emitted from monitors and electronic devices and lighting reducing eye fatigue.

## KN Coated

We recommend that you use KN coated products for the following reasons:

**K** Lenses are treated with a protective coating that protects the lens from scratching thus prolonging the life of the product plus ensuring that the optical levels remain unaltered providing a clearer safer vision.

**N** Lenses are treated with a protective coating that stops the lens from misting up in most normal conditions. Safety glasses that do not mist up are worn longer and not removed to be wiped clear thus keeping the wearer protected.

## Prescription

The Safety requirements of people who normally wear prescriptive eyewear are exactly the same as those who do not. That is why we have partnered with suppliers who only provide prescription eyewear with impact protection of F. Please contact us for further details.

## Readers

Reader Safety Glasses offer the required impact protection but give magnification to allow for precision work and reading. Reader glasses come in a come in 3 different diopters: +1.5, +2.0 or +2.5.
**Call for more details.**

## Accessories

A range of products to clean and protect your safety eyewear helping to prolong the product life.

## Goggles

Goggles can provide additional protection levels than safety glasses. Higher impact levels at B rating. They also provide protection against dusts and liquid splashes.

## Face Shields

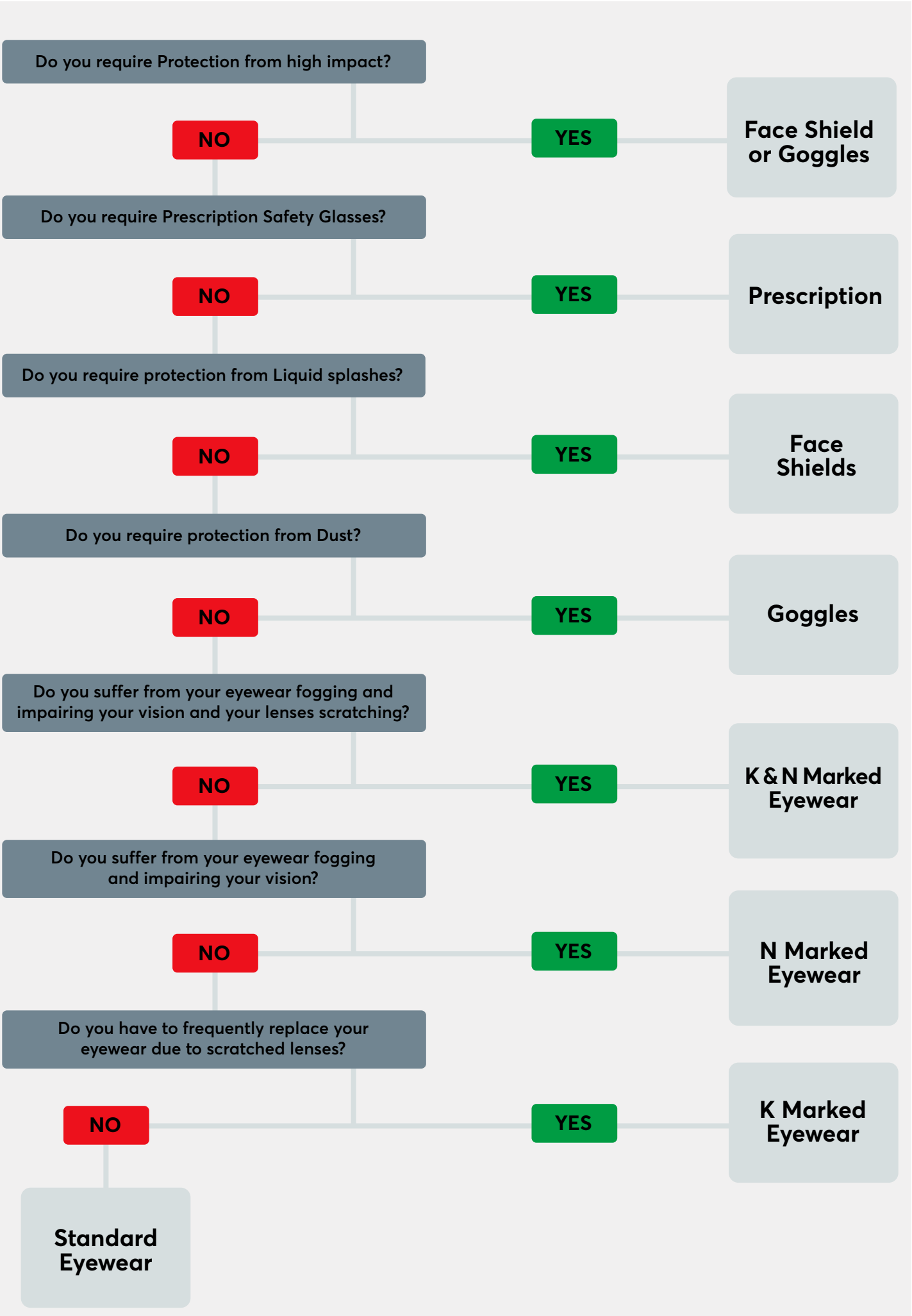
Most face shields offer the highest level of protection for the face from Impact hazards and liquid and chemical splashes. They give the user a wide unobstructed field of view when compared to Goggles. Interchangeable Visors means you can achieve the desired protection most suited to your requirements.

## Welding Goggles, Shields and Helmets

These provide Eye protection against the intense light produced when welding, but also protect from any flying debris during the welding process. The products range from Goggles and Helmets with Auto Darkening Lens that react to the Arc being struck, to complete Welding Powered Air-Purifying Respirators (PAPR)

# HOW TO SELECT THE RIGHT PROTECTION





## Halo Clear Comfort Safety Glasses

- Frameless for unrestrictive viewing
- Clear EN166 IFT EN170
- Indoor/Outdoor, Blue Mirror EN166 1FT EN172
- High temperature resistant

| Lens Type | Order Code HAL-960 |
|---|---|
| Clear | -1880K |
| I/O | -1900K |
| Blue Mirror | -1920K |

## Halo Light Safety Glasses

- Lightweight design for added comfort
- Amber, Clear EN166 1F KN EN170
- Grey, Indoor/Outdoor EN166 1F EN172

| Lens Type | Standard | Order Code HAL-960 |
|---|---|---|
| Amber | EN166 1F | -2312B |
| Clear | EN166 1F | -2314D |
| Grey | EN166 1F | -2316F |
| I/O | EN166 1F | -2318H |
| Clear | EN166 1F KN | -2320K |

## Halo Sports Style Safety Glasses

- Browless design for reduced weight and increased vision
- Wrap-around design for increased protection
- Clear EN166 IFT KN EN170
- Grey EN166 IFT KN EN172
- Indoor/Outdoor EN166 1FT EN172
- High temperature resistant

| Lens Type | Order Code HAL-960 |
|---|---|
| Clear | -1021F |
| Grey | -1022F |
| I/O | -1023F |

## Halo Rigid Safety Glasses

- Strong, rigid, lightweight design
- Rubber nose piece and temple tips for added comfort

| Lens Type | Standard | Order Code HAL-960 |
|---|---|---|
| Clear | EN166 1F | -2334D |
| Grey | EN166 1F | -2336F |
| I/O | EN166 1F | -2338H |
| Clear | EN166 1F KN | -2340K |

## Halo Safety Glasses with Extendable Arms

- Extendable arms for individual fit
- Lightweight for user comfort
- EN166 1FT EN170
- High temperature resistant

| Lens Type | Order Code HAL-960 |
|---|---|
| Clear | -1560K |

## Halo Wraparound Safety Glasses with Extendable Arms

- Soft nose pad bolsters comfort whilst wearing
- Wraparound design for unrestricted view
- Clear EN166 1F EN170, Smoke EN166 1F EN172

| Lens Type | Order Code HAL-960 |
|---|---|
| Smoke | -1600K |
| Clear | -1580K |

## Halo Indoor/Outdoor Safety Glasses

- Ratcheted arms for greater adjustment and fit
- Half frame and wrap around design for unrestricted viewing
- High temperature resistant
- EN166 1FT EN172

| Lens Type | Order Code HAL-960 |
|---|---|
| Clear | -1980K |

## Halo Safety Glasses

- Clear browguard for improved vision when looking up
- High-temperature resistance
- UV protection for outdoor work
- Adjustable arms for an excellent fit
- EN166 1FT EN170

| Lens Type | Order Code HAL-960 |
|---|---|
| Clear | -1660K |

## Halo Safety Glasses with Soft Arms & Temples

- Soft side arms and temples for improved grip and comfort
- Wrap-around design for unrestricted viewing
- High temperature resistant
- UV protection
- EN166 1FT EN170

| Lens Type | Order Code HAL-960 |
|---|---|
| Clear | -1940K |

## SITESAFE Safety Glasses

- Wrap-around lens for unrestrictive viewing
- EN166 1F EN170

| Lens Type | Order Code SSF-960 |
|---|---|
| Clear | -1560K |

## SITESAFE Safety Glasses

- Clear wrap-around polycarbonate lens
- High temperature resistant
- EN166 1FT EN170

| Lens Type | Order Code SSF-960 |
|---|---|
| Clear | -1580K |

## SITESAFE Over Glasses

- Clear over spectacles with built-in side shield and brow guard for added protection
- Can be worn over most standard prescription glasses
- EN166 1F EN170 EN172

| Lens Type | Order Code SSF-960 |
|---|---|
| Clear | -1520K |

## SITESAFE Safety Glasses

- Wrap around lens for unrestrictive viewing
- EN166 1F EN170

| Lens Type | Order Code SSF-960 |
|---|---|
| Clear | -1540K |

## SITESAFE Safety Goggles

- Impact resistant goggles with ventilation
- EN166 1B

| Lens Type | Order Code SSF-960 |
|---|---|
| Clear | -0520K |

## SITESAFE Safety Goggles

- Impact resistant goggles with ventilation
- EN166 1B

| Lens Type | Order Code SSF-960 |
|---|---|
| Clear | -0500K |

## SITESAFE Sirius Safety Spectacles

- Delivers UV protection up to 380nm
- Protects against low energy impacts
- Offers good colour recognition
- Scratch-resistant for long product life
- Anti-mist treatment to suit all environments
- EN166 F CE
- EN170 Ultra-violet filters
- Lens marking: 2C-1.2 1F CE
- Does not fit over prescription glasses

| Frame Colour | Order Code SSF-960 |
|---|---|
| Blue | -7710K |

## Halo Scorpion Safety Goggles

- UV protection
- Lightweight for comfortable long-term wear
- EN166 1B KN EN170

| Lens Type | Order Code HAL-960 |
|---|---|
| Clear | -8070K |

## Halo Tiger Safety Goggles

- UV protection
- The wide elastic headband delivers a secure and comfortable fit
- The one-piece lens is scratch-resistant and anti-mist for clear vision
- The frame has an indirect ventilation system to prevent user discomfort
- The lens is replaceable to prolong the life of the goggles
- EN166 1B T KN EN170

| Lens Type | Order Code HAL-960 |
|---|---|
| Clear | -8140K |

## KENNEDY Spectacle Neck Cord with adjustable side buckle.

| Order Code KEN-960 |
|---|
| -9620K |

## KENNEDY® Chrome Leather Welder's Clothing

A range of economically priced rugged workwear manufactured from high quality selected chrome leather. Spatter-resistant and tear-resistant. The full range offers head-to-toe protection against weld spatter and grinding sparks. Suitable for use in workshops, foundries and on-site.

**Aprons**
Generous fit for full torso and upper leg protection against weld spatter and grinding sparks, whilst offering freedom of movement for the wearer. All seams have heavy duty stitching for durability and extended wear.
Available in a choice of tie or buckle fastening.
**CE approved to EN470-1 CAT II.**
**Colours:** available in a choice of grey or red.

| Colour | W x L (cm) | Order Code KEN-885 |
|---|---|---|
| | **Tie Fastening** | |
| Grey | 60 x 90 | **-8020K** |
| Red | 60 x 90 | **-5410K** |
| | **Buckle Fastening** | |
| Red | 60 x 90 | **-5440K** |

**Sleeves**
Can be used independently or in conjunction with an apron or other garment to offer optimum protection of the lower arm and elbow. With elasticated openings. All seams have heavy duty stitching for durability and extended wear. One size.
**CE approved to EN470-1 CAT II.**

| Colour | Size | Order Code KEN-885 |
|---|---|---|
| Red | 45cm | **-5310K** |

## KENNEDY® Welder's Helmets

- Lifts up over brow strap when not in use
- Accepts plain and tinted lenses
- Lens size 4 1/4" x 3 1/3"

| Visor Type | Order Code KEN-885 |
|---|---|
| Flip-up | **-7150K** |

## KENNEDY® Spare Lenses

- To protect the user from UV rays and weld spatter
- To suit Kennedy helmets and shields
- Standard UK size 4 1/4" x 3 1/4"

| Lens Size | Type | Colour/ Shade | Order Code KEN-885 |
|---|---|---|---|
| 110 x 90mm | Anti-spatter | Clear | **-7448K** |

# HAND PROTECTION

## Hazards

Abrasion, temperature extremes, cuts and punctures, impact, chemicals, electric shock, radiation, vibration, biological agents and prolonged immersion in water.

## Options

Gloves in a range of styles, lengths, materials and coatings to provide specific kinds of protection.

## What the law requires

Under regulation 4 of the **Personal Protective Equipment at Work Regulations 1992**, it is the employer's responsibility to identify potential hazards in the workplace and if these cannot be rectified by any other means, then personal protective equipment must be provided free of charge and with appropriate training.

## Food Symbol

Products that carry the food contact symbol are suitable for use with all food categories (Dry foods, aqueous foods, acidic foods, alcoholic foods and fatty foods). This has been established through conducting tests according to the draft European Standards for food contact migration **DD ENV 1186 series.**

## Glove Categories

CAT I

**Simple Design - Category 1**
Gloves with this designation offer protection against light cuts, contusions, abrasions and mild detergents. Suitable for areas of'minimal risk' where the effects on hands without gloves would be easily reversible or superficial. These products are unmarked and self-certified.

CAT II

**Intermediate Design - Category 2**
Gloves with this designation offer protection against heavier cuts, contusions, abrasions, tears and punctures. Suitable for areas of specific risk: abrasion, blade cuts, tear and puncture. The performance of the glove against these risks is listed below the symbol as shown below.

CAT III

**Complex Design - Category 3**
For areas/applications that can seriously or irreversibly harm the health. Such products, in addition to the CE type test, will also have to be either produced under an approved quality system OR be type tested on an annual basis.

## EN388 IS CHANGING from EN388:2003 to EN388:2016

The CUT resistance test is the biggest change. Gloves can continue to be sold under both versions of the standard until 2023 After 2023 only gloves to EN388:2016 will be able to be legally sold.

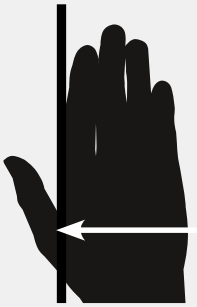
**EN388:2003 - Coupe test results**

| Level | Blade cut resistance (Index) | Cromwell classification |
|---|---|---|
| 1 | >1.2 | General purpose glove |
| 2 | >2.5 | Low to medium cut risk |
| 3 | >5.0 | |
| 4 | >10.0 | High cut risk |
| 5 | >20.0 | |

**EN388:2016 - ISO test results**

| Level | Straight blade cut resistance (N) | Cromwell classification |
|---|---|---|
| A | 2 | General purpose glove |
| B | 5 | Low to medium cut risk |
| C | 10 | |
| D | 15 | High cut risk |
| E | 22 | |
| F | 30 | Very high cut risk |

**Please note:** As the test is different and the construction of the gloves could be different, gloves previously classified as a Cut 3 glove could have different levels on the new test and this could be a higher classification that a Cut 4 glove, or could be lower than a Cut 2 glove.



### Glove Sizing

Place your right hand as shown, with your index finger against the black line. The measurement that follows the right side of your hand is your approximate glove size. **This is a general guide only.**

### Using a Tape Measure and the Sizing Guide

Wrap a tape measure around your hand at the widest point (usually the knuckles) and make a loose fist. Note that measurement, round it to the nearest inch and refer to the corresponding chart below to find your approximate glove size.

| Glove Size | XS | S | M | L | XL | XXL | XXX |
|---|---|---|---|---|---|---|---|
| Sizing Gauge | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

# Glove Selection

**Hazards -** Abrasion, temperature extremes, cuts and punctures, impact, chemicals, electric shock, radiation, vibration, biological agents and prolonged immersion in liquid.

**Options -** Gloves in a range of styles, lengths, materials and coatings to provide specific kinds of protection.

## Cut Resistant

Protects wearers from lateral cut injuries from sharp objects such as knives or burrs on metal.

## Puncture Resistant

Protects wearers from sharp pointed objects such as glass and nails.

## Nitrile Coated

General purpose gloves ideal for handling oily components.

## PVC and Latex Coated

Hard wearing general purpose gloves. Gives excellent grip in wet conditions

## PU Coated

General purpose gloves with great dexterity. Ideal for handling  Ideal for dry or slightly damp conditions.

## General Purpose

General Handling gloves

# HAND PROTECTION



## Impact Resistant and Anti Vibration

Reduce the effect of vibration, shock and impact. Perfect for general manufacturing and workers in direct contact with machinery.

## Chemical Resistant

Wide range of gloves offering protection against a large range of chemicals.

## Disposable Gloves - Nitrile

Range of gloves offering good levels of abrasion resistance and some chemical resistance.

## Disposable Gloves - Latex

Provides wearers with comfort whilst remaining dexterous.

## Cold Protection

Suitable for extreme cold and outdoor applications

## Heat Protection

Suitable for high heat environments..

## Welding

Protects wearers hands from the hazards of welding and heat.

# How To Select The Right Protection

## CUT F

### Cut F PU Palm Coated Gloves

- 18 gauge for excellent dexterity
- PU coating for excellent grip in dry conditions
- Cut resistant material: HPPE
- Touchscreen compatible
- EN420:2003+A1:2009
- EN388:2016 4.X.4.2.F

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1216A |
| 7 | -1216B |
| 8 | -1216C |
| 9 | -1216D |
| 10 | -1216E |
| 11 | -1216F |

### Cut F Sandy Nitrile Palm Coated Gloves

- 18 gauge for excellent dexterity
- PU coating for excellent grip in oily or wet condition
- Cut resistant material: HPPE
  so you do not have to remove the glove
- Thumb crotch for additional abrasion resistance
- EN420:2003+A1:2009
- EN388:2016 4.X.4.2.F

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1206A |
| 7 | -1206B |
| 8 | -1206C |
| 9 | -1206D |
| 10 | -1206E |
| 11 | -1206F |

## CUT E

### Cut E Sandy Nitrile Palm Coated Gloves

- 13 gauge for good dexterity
- Nitrile coating for excellent grip in wet and oily conditions
- Thumb crotch for additional abrasion resistance
- Cut resistant material: HPPE
- EN388:2016 4.X.4.3.E
- EN407:2004 X.1.X.X.X.X
- EN420:2003+A12009

| Size | Order Code HAL-961 |
|---|---|
| 6 | -2239B |
| 7 | -2239C |
| 8 | -2239E |
| 9 | -2239G |
| 10 | -2239J |
| 11 | -2239L |

### Cut E PU Palm Gloves

- 13 gauge for good dexterity
- PU for excellent grip in dry conditions
- Thumb crotch for additional abrasion resistance
- Cut resistant material: HPPE
- EN420:2003+A1:2009
- EN388:2016 4.X.4.3.E
- EN407:2004 X.1.X.X.X.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -2237A |
| 7 | -2237C |
| 8 | -2237E |
| 9 | -2237G |
| 10 | -2237J |
| 11 | -2237L |

## Cut D Foam Nitrile Palm Coated Gloves

- 18 gauge for excellent dexterity
- Foam nitrile coating for excellent grip in wet and oily conditions
- Cut resistant material: HPPE/ Fibreglass
- EN420:2003+A1:2009
- EN388:2016 4.X.4.2.D

EN388:2016 4.X.4.2.D

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1204A |
| 7 | -1204B |
| 8 | -1204C |
| 9 | -1204D |
| 10 | -1204E |
| 11 | -1204F |

## Cut D PU Palm Coated Gloves

- 18 gauge for excellent dexterity
- PU coating for excellent grip in dry conditions
- Cut resistant material: HPPE/Fibreglass
- EN420:2003+A1:2009
- EN388:2016 4.X.4.2.D

EN388:2016 4.X.4.2.D

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1214A |
| 7 | -1214B |
| 8 | -1214C |
| 9 | -1214D |
| 10 | -1214E |
| 11 | -1214F |

## Cut D Foam Nitrile Palm Coated Gloves

- 13 gauge for good dexterity
- Foam nitrile coating for excellent grip in wet and oily conditions
- Cut resistant material: HPPE
- EN388:2016 4.X.4.2.D
- EN407:2004 X.1.X.X.X.X
- EN420:2003+A1:2009

EN407:2004 X.1.X.X.X.X
EN388:2016 4.X.4.2.D

| Size | Order Code HAL-961 |
|---|---|
| 6 | -4840A |
| 7 | -4840B |
| 8 | -4841C |
| 9 | -4842D |
| 10 | -4843E |
| 11 | -4844F |

## Cut D PU Palm Coated Gloves

- 13 gauge for good dexterity
- PU coating for excellent grip in dry conditions
- Thumb crotch for additional abrasion resistance
- Cut resistant material: HPPE/ Fiberglass
- EN420:2003 + A1:2009
- EN388:2016 4.X.4.2.D
- EN407:2004 X.1.X.X.X.X

EN388 4.X.4.2.D
EN407 X.1.X.X.X.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -2230A |
| 7 | -2230C |
| 8 | -2230E |
| 9 | -2230G |
| 10 | -2230J |
| 11 | -2230L |

## Cut D PU Palm Coated Gloves

- 13 gauge for good dexterity
- PU coating for excellent grip in dry conditions
- Cut resistant material: HPPE
- EN388:2016 4.X.4.2.D
- EN407:2004 X.1.X.X.X.X
- EN420:2003 + A1:2009

EN388:2016 4.X.4.2.D
EN407:2004 X.1.X.X.X.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -4870A |
| 7 | -4871B |
| 8 | -4872C |
| 9 | -4873D |
| 10 | -4874E |
| 11 | -4875F |

## Cut D Sandy Nitrile Pam Coated Gloves

- 13 gauge for good dexterity
- Sandy nitrile coating for excellent grip in wet and oily conditions
- Thumb crotch for additional abrasion resistance
- Cut resistant material: HPPE/ Fibreglass
- EN420:2003+A1:2009
- EN388:2016 4.X.4.2.D
- EN407:2004 X.1.X.X.X.X

EN388 4.X.4.2.D
EN407 X.1.X.X.X.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -2232B |
| 7 | -2232C |
| 8 | -2232E |
| 9 | -2232G |
| 10 | -2232J |
| 11 | -2232L |

## Gloves

### Halo Cut C Foam Nitrile Palm Coated Gloves

NEW

- 13 gauge for good dexterity
- Foam nitrile coating for excellent grip in wet and oily conditions
- Cut resistant material: HPPE/Fibreglass

EN388 4.X.4.3 C

EN407:2004 X.1.X.X.X.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -0331X |
| 7 | -0331Y |
| 8 | -0331Z |
| 9 | -0332A |
| 10 | -0332B |
| 11 | -0332C |

### Halo Cut C PU Palm Coated Gloves

- 13 gauge cut C liner with PU Palm coating for excellent grip when dry or slightly damp components.
- Cut resistant material: HPPE/Fibreglass
- Cuff type: Elasticated

EN407:2004 X.1.X.X.X.X

EN420:2003 + A1:2009

EN388:2016 4.X.4.2.C

| Size | Order Code HAL-961 |
|---|---|
| 6 | -6474E |
| 7 | -6474F |
| 8 | -6474G |
| 9 | -6474H |
| 10 | -6474J |
| 11 | -6474K |

## Sleeves

### Halo Cut C Kevlar® Sleeves

- Thumb hole allows for optimum movement whilst maintaining arterial and palm protection against cuts
- Kevlar® fibres are durable and offer a long service life even with extended use
- Sold as a single sleeve only, not as a pair

EN388:2016 1.X.4.3.C

EN407:2004 X.1.X.X.X.X

| Size (in) | Order Code HAL-961 |
|---|---|
| 10 | -4101A |
| 14 | -4102B |
| 18 | -4103C |
| 24 | -4104E |

## Halo Cut B Foam Nitrile Palm Coated Gloves

- 18 gauge for excellent dexterity
- Foam nitrile coating for excellent grip in wet and oily conditions
- Cut resistant material: HPPE/Fibreglass
- EN388:2016 4X42B

EN388:2016
4.X.4.2.B

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1202A |
| 7 | -1202B |
| 8 | -1202C |
| 9 | -1202D |
| 10 | -1202E |
| 11 | -1202F |

## Halo Cut B PU Palm Coated Gloves

- 18 gauge for good dexterity
- PU coating for excellent grip in dry conditions
- Cut resistant material: HPPE/Fibreglass

EN388:2016 4.X.4.2.B
EN407:2004 X.1.X.X.X.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1212A |
| 7 | -1212B |
| 8 | -1212C |
| 9 | -1212D |
| 10 | -1212E |
| 11 | -1212F |

## Halo Cut B PU Palm Coated Gloves

- 13 gauge for good dexterity
- PU coating for excellent grip in dry conditions
- Cut resistant material: HPPE

EN388:2016 4.X.4.2.B
EN407:2004 X.1.X.X.X.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -4860A |
| 7 | -4861B |
| 8 | -4862C |
| 9 | -4863D |
| 10 | -4864E |
| 11 | -4865F |

## Halo Cut B Foam Nitrile Palm Coated Gloves

- 13 gauge for good dexterity
- Foam nitrile coating for excellent grip in wet and oily conditions
- Cut resistant material: HPPE

EN388:2016 4.X.4.2.B
EN407:2004 X.1.X.X.X.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -4830A |
| 7 | -4830B |
| 8 | -4831C |
| 9 | -4832D |
| 10 | -4833E |
| 11 | -4834F |

# HAND PROTECTION - NITRILE COATED



## Halo Fully Coated Nitrile Gloves

- 15 gauge for excellent dexterity
- Fully Nitrile coated for excellent grip in heavily oily or greasy conditions
- Thumb crotch for additional abrasion resistance

EN388:2016 4.1.3.1.X

EN407:2004 X.1.X.X.X.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1240A |
| 7 | -1240B |
| 8 | -1240C |
| 9 | -1240D |
| 10 | -1240E |
| 11 | -1240F |

## Halo Sandy Nitrile Palm Coated Gloves

- 18 gauge for excellent dexterity
- Sandy nitrile coating for excellent grip in wet and oily conditions

EN388:2016 4.1.2.1.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1230A |
| 7 | -1230B |
| 8 | -1230C |
| 9 | -1230D |
| 10 | -1230E |
| 11 | -1230F |

## Halo Foam Nitrile Palm Coated Gloves

- 13 gauge for good dexterity
- Foam nitrile coating for excellent grip in wet and oily conditions

EN388:2016 3.1.3.2.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -6401A |
| 7 | -6402B |
| 8 | -6403C |
| 9 | -6404D |
| 10 | -6405E |
| 11 | -6406F |

## Halo Sustainable Nitrile Palm Coated Gloves

- Produced using recycled plastic bottles for a more sustainable product
- 15 gauge for excellent dexterity
- Nitrile coating for excellent grip in wet and oily conditions
- Touch screen compatible

EN388:2016 4.1.2.1.X

EN407:2004 X.1.X.X.X.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1220A |
| 7 | -1220B |
| 8 | -1220C |
| 9 | -1220D |
| 10 | -1220E |
| 11 | -1220F |

## Halo Foam Nitrile Palm Coated Gloves

- 13 gauge for good dexterity
- Foam nitrile coating for excellent grip in wet and oily conditions

EN388:2016 4.1.2.1.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -4819A |
| 7 | -4820B |
| 8 | -4821C |
| 9 | -4822D |
| 10 | -4823E |
| 11 | -4824F |

## Halo Foam Nitrile Palm Coated Gloves

- 18 gauge for excellent dexterity
- Foam nitrile coating for excellent grip in wet and oily conditions

EN388:2016 4.1.2.1.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1231A |
| 7 | -1231B |
| 8 | -1231C |
| 9 | -1231D |
| 10 | -1231E |
| 11 | -1231F |

# HAND PROTECTION - PU (POLYURETHANE) COATED



## Halo PU Palm Coated Gloves

- 18 gauge for excellent dexterity
- PU coating for excellent grip in dry conditions
- Touchscreen compatible

EN388:2016

4.1.2.1.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1232A |
| 7 | -1232B |
| 8 | -1232C |
| 9 | -1232D |
| 10 | -1232E |
| 11 | -1232F |

## Halo Sustainable PU Palm Coated Gloves

- Produced using recycled bottles for a more sustainable product
- 15 gauge for excellent dexterity
- PU coating for excellent grip in dry conditions
- Touchscreen compatible

EN388:2016

3.1.2.1.X

EN407:2004

X.1.X.X.X.X

| Size | Order Code HAL-961 |
|---|---|
| 6 | -1221A |
| 7 | -1221B |
| 8 | -1221C |
| 9 | -1221D |
| 10 | -1221E |
| 11 | -1221F |

## Halo PU Palm Coated Gloves

- 13 gauge for good dexterity
- PU coating for excellent grip in dry conditions

EN407:2004

X.1.X.X.X.X

EN420:2003

+ A1:2009

EN388:2016

4.1.2.1.A

| Size | Order Code HAL-961 |
|---|---|
| 6 | -4850A |
| 7 | -4850B |
| 8 | -4851C |
| 9 | -4852D |
| 10 | -4853E |
| 11 | -4854F |

## Halo PU Palm Coated Gloves

- 13 gauge for good dexterity
- PU coating for excellent grip in dry conditions
- EN420:2003+A1:2009
- EN388: 2016 4.1.4.1.X

EN388:2016

4.1.4.1.X

Grey

Black

White

| Size | Order Code HAL-961 White | Order Code HAL-961 Grey | Order Code HAL-961 Black |
|---|---|---|---|
| 6 | -6407J | -6415R | -6425A |
| 7 | -6408K | -6416S | -6426B |
| 8 | -6409L | -6417T | -6427C |
| 9 | -6410M | -6418V | -6428D |
| 10 | -6411N | -6419W | -6429E |
| 11 | -6412P | -6420X | -6430F |

# HAND PROTECTION - LATEX / PVC COATED



## Halo Fully PVC Coated Gloves

- Elasticated knit wrist for protection against dirt and debris
- Cotton lining for added comfort
- PVC coating for excellent grip in wet conditions

EN388:2016
4.1.1.1.X

| Size | Order Code HAL-961 |
|---|---|
| 8 | -1381K |
| 9 | -1382K |
| 10 | -1384K |

## Halo Fully PVC Coated Gauntlets

- PVC coating for excellent grip in wet conditions
- Fully lined for added comfort

EN388:2016
4.1.1.1.X

| Size | Length | Order Code HAL-961 |
|---|---|---|
| 9 | 11" | -1386K |
| 9 | 14" | -1388K |

## Halo Seamless Latex Gloves

- 10 gauge for a comfortable fit
- Latex coating for excellent grip in dry conditions

EN388:2016
2.1.4.3.X

| Size | Order Code HAL-961 |
|---|---|
| 7 | -6435K |
| 8 | -6435L |
| 9 | -6436M |
| 10 | -6437N |
| 11 | -6438P |

## Mechanical Hazard Gloves

See our range

Scan the QR code

## Halo Leather Gauntlets

- Gauntlet style design provides hand and wrist protection against welding sparks and grinding splash

EN388:2016 1.1.1.1.X
EN407:2020 412X4X

| Size | Order Code HAL-961 |
|---|---|
| 10 | -1650K |

## Halo Lined Kevlar Welders Gauntlets

- Concealed Kevlar® seams prevent burn damage
- Gauntlet style design provides hand and wrist protection against welding sparks and grinding splash
- Produced using heat resistant split leather

EN388:2016 4.1.4.4.X
EN407:2020 41314X

| Size | Order Code HAL-961 |
|---|---|
| 10 | -6630K |

# HAND PROTECTION - LEATHER



## Halo Chrome Leather Rigger Gloves

- 2in cuff provides wrist protection whilst working
- Elasticated back helps to prevent ingress of dirt and debris
- Cotton lining provides comfort
- PVC dots on the palm help enhance the grip
- Leather fingertips, palm and knuckle reinforcements provides extra abrasion resistance and adds durability
- Leather patch for arterial protection

EN388:2016
3.1.4.3.X
EN388:2016
3.1.4.3.X

| Size | Order Code HAL-961 |
|---|---|
| 8 | -6520K |
| 10 | -6510K |

## Halo Split Leather Rigger Gloves

- Lined with cotton for user comfort
- 2in cuff provides wrist protection whilst working
- Leather forefinger, palm, thumb, fingertips and knuckle reinforcements provides extra abrasion resistance and adds durability
- Elasticated back helps to prevent ingress of dirt and debris
- Leather patch for arterial protection

EN388:2016
4.1.4.4.X

| Size | Order Code HAL-961 |
|---|---|
| 10 | -6580K |

## Halo Pigsplit Leather Rigger Gloves

- Elasticated back helps to prevent ingress of dirt and debris
- Leather patch for arterial protection
- 2in cuff provides wrist protection whilst working
- Leather forefinger, palm, thumb, fingertips and knuckle reinforcements provides extra abrasion resistance and adds durability
- Leather patch for arterial protection

EN388:2016
4.1.2.2.X

| Size | Order Code HAL-961 |
|---|---|
| 10 | -6570K |

## Halo Chrome Leather Gloves

- Cotton lining provides comfort
- Knitted cuff reduces the ingress of dirt and debris
- Reinforced thumb crotch for additional durability and abrasion resistance
- Leather fingertips, palm and knuckle reinforcements provides extra abrasion resistance and adds durability

EN388:2016
3.1.4.3.X

| Size | Order Code HAL-961 |
|---|---|
| 10 | -6500K |

## Halo Goatskin General Handling Gloves

- Cotton lining provides added comfort
- Touch fastening to adjust the fit and secure the gloves

| Size | Order Code HAL-961 |
|---|---|
| 7 | -4800A |
| 8 | -4801B |
| 9 | -4802C |
| 10 | -4803D |

## SITESAFE Leather Rigger Gloves

- 2in cuff provides wrist protection whilst working
- Leather forefinger, palm, thumb, fingertips and knuckle reinforcements provides extra abrasion resistance and adds durability
- Leather patch for arterial protection
- Elasticated back helps to prevent ingress of dirt and debris
- PVC dots for added grip

| Size | Order Code SSF-961 |
|---|---|
| 10 | -2550K |

## SITESAFE Heavy Duty Leather Rigger Gloves

- 2in cuff provides wrist protection whilst working
- Leather forefinger, palm, thumb, fingertips and knuckle reinforcements provides extra abrasion resistance and adds durability
- Additional layer of leather reinforcement on palm, thumb and index finger for added abrasion resistance
- Leather patch for arterial protection
- Elasticated back helps to prevent ingress of dirt and debris

| Size | Order Code SSF-961 |
|---|---|
| 10 | -2540K |

## SITESAFE Chrome Leather Rigger Gloves

- 2in cuff provides wrist protection whilst working
- Leather forefinger, thumb, palm, fingertips and knuckle reinforcements provides extra abrasion resistance and adds durability
- Leather patch for arterial protection
- Elasticated back helps to prevent ingress of dirt and debris

| Size | Order Code SSF-961 |
|---|---|
| 8 | -2530K |
| 10 | -2520K |

## Halo Cowhide Drivers Gloves

- Elasticated back helps to prevent ingress of dirt and debris
- Lined version has a 100% cotton fleece lining for added comfort

| Size | Type | Order Code HAL-961 |
|---|---|---|
| 10 | Lined | -1358K |
| 10 | Unlined | -1355K |

## Halo Cowhide Rigger Gloves

- Fleece lining for added comfort
- Elasticated back helps to prevent ingress of dirt and debris
- 2in cuff provides wrist protection whilst working
- Leather forefinger, palm, thumb, fingertips and knuckle reinforcements provides extra abrasion resistance and adds durability
- Leather patch for arterial protection

| Size | Order Code HAL-961 |
|---|---|
| 10 | -1290K |

## SITESAFE Furniture Hide Leather Rigger Gloves

- 2in cuff provides wrist protection whilst working
- Leather forefinger, palm, thumb, fingertips and knuckle reinforcements provides extra abrasion resistance and adds durability
- Leather patch for arterial protection

| Size | Order Code SSF-961 |
|---|---|
| 10 | -2560K |

## SITESAFE Chrome Leather General Handling Gloves

- Knitted cuff reduces the ingress of dirt and debris

| Size | Order Code SSF-961 |
|---|---|
| 8 | -2510K |
| 10 | -2500K |

## SITESAFE Split Leather Gauntlets

- Extended cuff for wrist protection
- Fleece lined hand and cotton lined cuff for added comfort

| Size | Colour | Order Code SSF-961 |
|---|---|---|
| 11 | Green | -1610K |
| 11 | Red | -1620K |

## SITESAFE General Handling Gloves

- Can be used for general handling or as a glove liner
- Inset fingers and thumb provides increased comfort and enhanced fit

PACK OF 12

| Size | Order Code SSF-961 |
|---|---|
| 8 | -3010K |
| 10 | -3000K |

## TUFFSAFE General Handling Gaunlets

Ideal for handling intermittently hot objects and materials in high-heat environments.

- Full coating material: Leather
- Lining material: Cotton fleece & cuffs
- Split leather one-piece backs
- Two-piece lining
- Fleece hand
- Size 11

| Colour | Order Code TFF-961 |
|---|---|
| Green | -1600K |
| Red | -1620K |

## SITESAFE Stockinette Glove Liner

- Lightweight and breathable

PACK OF 12

| Size | Order Code SSF-961 |
|---|---|
| 8 | -3030K |
| 10 | -3020K |

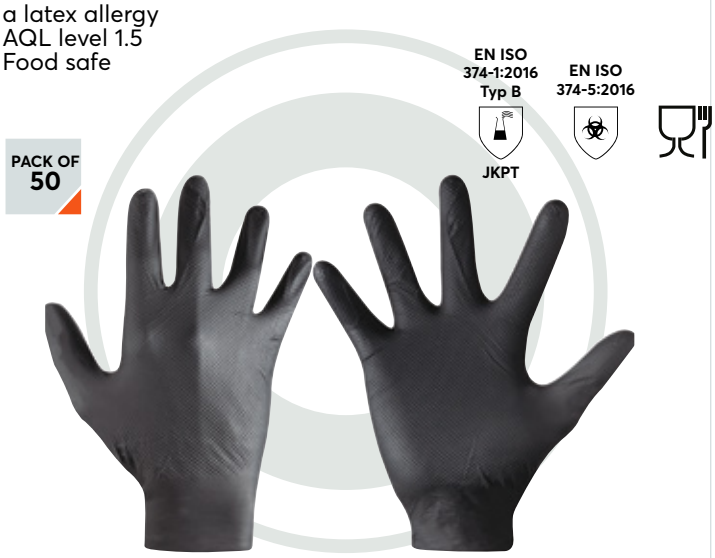
## SITESAFE Rigger Gloves

- Offers extra protection against low-impacts on the base of the wrist
- The glove is made from a heavier material for greater wear and tear
- Elasticated backs for a secure fit to protect hands from dust and debris
- A 2" reinforced cuff patch offers arterial protection

| Size | Order Code SSF-961 |
|---|---|
| 10 | -1320K |

## Halo Nitrile Diamond Grip Disposable Gloves, 8.6g

- Powder free ambidextrous gloves
- Seam free for comfort
- Diamond pattern for increased grip
- Useful for heavier duty work
- Disposable gloves reduce the risk of cross contamination
- Great alternative for those who have a latex allergy
- AQL level 1.5
- Food safe




| Size | Order Code HAL-961 |
|---|---|
| S | -4200A |
| M | -4200B |
| L | -4200C |
| XL | -4200D |
| 2XL | -4200E |

## Halo Nitrile Disposable Gloves, 5g

- Powder free ambidextrous gloves
- Seam free for comfort
- Useful for medium duty work
- Disposable gloves reduce the risk of cross contamination
- Great alternative for those who have a latex allergy
- AQL level 1.5
- 100 pack
- Food safe

| Size | Order Code HAL-961 |
|---|---|
| XS | -4165A |
| S | -4175A |
| M | -4185A |
| L | -4195A |
| XL | -4105A |
| 2XL | -4115A |

## Halo Nitrile Disposable Gloves, 3.5g

- Powder free ambidextrous gloves
- Seam free for comfort
- Useful for medium duty work
- Disposable gloves reduce the risk of cross contamination
- Great alternative for those who have a latex allergy
- AQL level 1.5
- Food safe

| Size | Order Code HAL-961 |
|---|---|
| XS | -4163A |
| S | -4173A |
| M | -4183A |
| L | -4193A |
| XL | -4103A |
| 2XL | -4113A |

THE ULTIMATE AIR GRINDER FOR EVERY SPACE

Elevate your work with Kobe's ultra-compact air grinder. Designed for precision and power in tight spaces.

Ideal for grinding, polishing, and deburring, this versatile tool ensures flawless results every time. Choose Kobe for unmatched performance and redefine your standards.

Power. Precision. Perfection.

KOBE™

# KNEE PADS, MATS & BELTS



## Halo Gel Knee Pads
**215 x 185mm, Single**

- Thick silicone gel adapts to your kneecap
- Tough abrasion resistant PVC shell
- 2 adjustable straps provides great flexibility when fitting and comfort to behind the knee
- EN 14404:2004+A1:2010 Type 1 Level 1

| Size | Order Code HAL-962 |
|---|---|
| 215 x 185mm | -8844G |

## Halo Work Trouser Knee Pad Inserts
**215 x 165mm, 1 Pair**

- Ergonomic design providing durable, comfortable protection
- Does not impede when walking
- Fits into trouser knee pad pockets
- EN 14404:2004+A1:2010 Type 2 level 0

| Size | Order Code HAL-962 |
|---|---|
| 215 x 165mm | -8820A |

## Find us online

Navigating our website is made simple and easy to use. Optimised search and comparison for quick product selection.

Check product availability with ease. Once you've found your desired item, just click on it to see if it's in stock. Our real-time updates will let you know instantly if it's available for purchase.

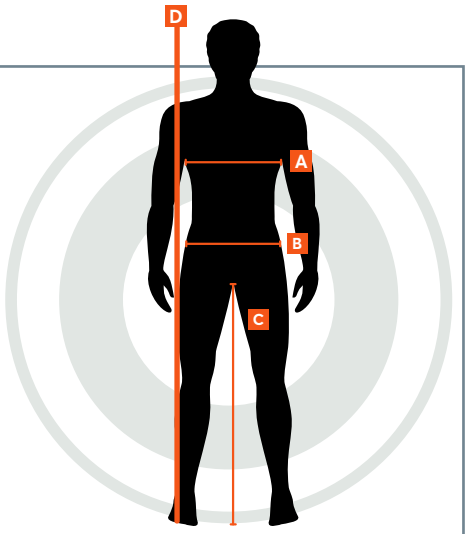
Stay informed on pricing. List price shown making it easy for you to make purchasing decision.

Access detailed product information. For those who crave more knowledge, we provide comprehensive descriptions and downloadable technical documents to give you all the information you need to make an informed decision.

# Halo® Measuring Guide

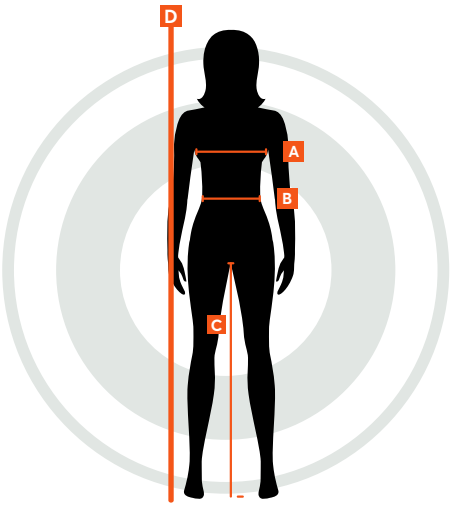
**Men**

| Size | A Chest | | B Waist | | C Inside Leg | D Height |
|---|---|---|---|---|---|---|
| | (in) | (cm) | (in) | (cm) | (cm) | (cm) |
| XS | 32 - 34 | 81 - 86 | 30 - 32 | 76 - 81.5 | 105 | 157-160 |
| SMALL | 35 - 37 | 87 - 94 | 33 - 35 | 84 - 89 | 107 | 160 - 163 |
| MEDIUM | 38 - 40 | 97 - 102 | 36 - 38 | 91.5 - 96.5 | 107 | 163-166 |
| LARGE | 41 - 43 | 104 - 109 | 39 - 41 | 99 - 104 | 109 | 166 -169 |
| XL | 44 - 46 | 112 - 117 | 42 - 44 | 106.5 - 111.5 | 109 | 169 - 172 |
| 2XL | 47 - 49 | 119 - 125 | 45 - 47 | 114.5 - 119.5 | 111 | 172 - 175 |
| 3XL | 50 - 52 | 126 - 132 | 48 - 50 | 122 - 127 | 111 | 175 - 178 |
| 4XL | 52 - 54 | 132 - 137 | 51 - 53 | 129.5 - 134.5 | 113 | 178 - 181 |
| 5XL | 56 - 58 | 142 - 147 | 54 - 56 | 137 - 142 | 113 | 181 - 183 |
| 6XL | 60 - 62 | 152 - 157 | 57 - 58 | 144.5 - 149.5 | 115 | 183 - 186 |




**Women**

| Size | A Bust | | B Waist | C Inside Leg | D Height |
|---|---|---|---|---|---|
| | (in) | (cm) | (cm) | (cm) | (cm) |
| 6 | 31-33 | 76-80 | 66-70 | 105 | 154-157 |
| 8 | 33-35 | 80-84 | 71-75 | 105 | 157-160 |
| 10 | 35-37 | 84-92 | 76-80 | 107 | 160 - 163 |
| 12 | 37-39 | 92-102 | 81-86 | 107 | 163-166 |
| 14 | 39-43 | 102-108 | 87-93 | 109 | 166 -169 |
| 16 | 43-46 | 108-116 | 94-99 | 109 | 169 - 172 |
| 18 | 46-49 | 116-124 | 100-106 | 111 | 172 - 175 |
| 20 | 49-52 | 124-132 | 107-112 | 111 | 175 - 178 |
| 22 | 52-55 | 132-140 | 113-119 | 113 | 178 - 181 |
| 24 | 55-58 | 140-148 | 120-125 | 113 | 181 - 183 |
| 26 | 58-61 | 148-156 | 126-132 | 115 | 183 - 186 |
| 28 | 61-63 | 156 - 164 | 133- 139 | 115 | 186 - 189 |




Halo®

## Product Quality

Product quality is extremely important to us. We are proud members of the BSIF and are part of their Recommended Safety Scheme Suppliers (RSSS) programme. We are also SATRA and British Safety Council members. We batch test our Halo products with the BSi as we believe in having the most stringent quality checks performed to ensure we continue to develop excellent quality products for our customers.

We are continually improving our impact on the planet by working on removing all unnecessary packaging

Halo

## Workwear

Our new range of Halo workwear has been carefully designed to not only be comfortable and perform well, but to be kinder on the planet. We've chosen manufacturing partners that can support the full recycling of products into rPET pellets which are then converted to REPREVE yarn and can then be used to make new clothing.

## How it works.

When garments reach the end of their useful lives, they are returned for processing

Our manufacturing partner's unique technology returns the polyester to fibre grade rPET pellets

The rPET can be made into REPREVE yarn and used for all kinds of polyester clothing

Designed to be recycled garments are identified by the infinitee mark and QR code on the label

## Hi-Vis Vests, 1 Band & Brace

- Manufactured from durable polyester for product longevity
- 1 Band & Brace reflective tape design for optimal visibility
- Hook and loop closure type for quick and easy fitting
- Available in either yellow or orange to suit your needs
- Halo® products are BSI tested
- EN ISO 20471:2013 + A1:2016 Class 2
- RIS-3279-TOM (orange only)

| Size | Order Code HAL-962 |
|---|---|
| **Yellow** | |
| M | **-4211B** |
| L | **-4212C** |
| XL | **-4213D** |
| 2XL | **-4214E** |
| 3XL | **-4215F** |
| **Orange** | |
| M | **-4241B** |
| L | **-4242C** |
| XL | **-4243D** |
| 2XL | **-4244E** |
| 3XL | **-4245F** |

| Size | Order Code HAL-962 Yellow | Order Code HAL-962 Orange |
|---|---|---|
| M | **-4231B** | **-4251B** |
| L | **-4232C** | **-4252C** |
| XL | **-4233D** | **-4253D** |
| 2XL | **-4234E** | **-4254E** |
| 3XL | **-4235F** | **-4255F** |
| 4XL | **-4236G** | **-4256G** |
| 5XL | **-4236H** | **-4256H** |
| 6XL | **-4236J** | **-4256J** |

## Hi-Vis Lightweight Jackets, 2 Band & Brace

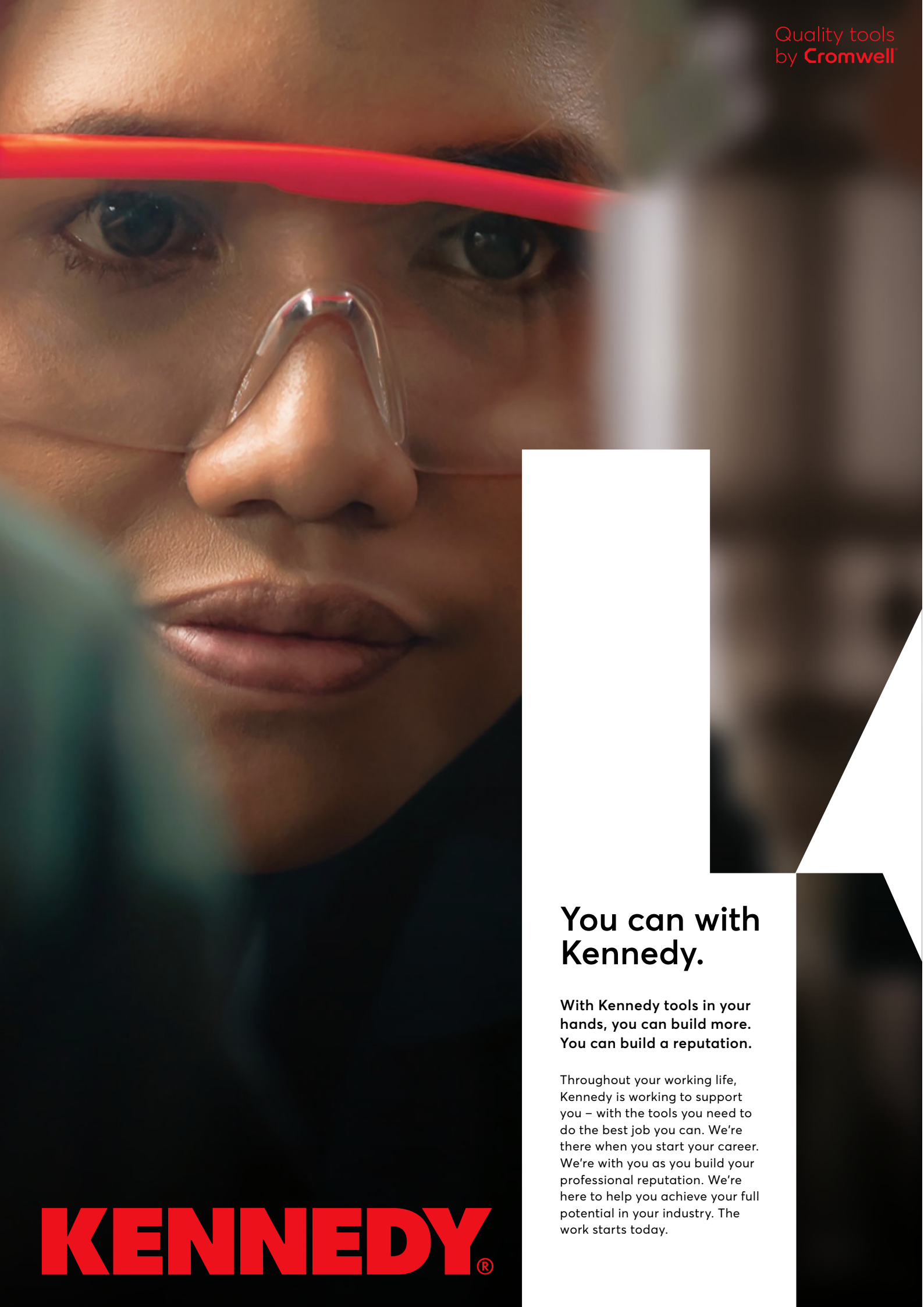
- Lightweight design for optimum comfort
- 100% polyester construction which is oil and stain-resistant for durability
- 2 Band & Brace reflective tape design around the sleeves, waist, shoulders and back with a 300m reflective distance to ensure maximum visibility
- Halo® products are BSI tested
- EN 20471
- RIS-3279-TOM (Orange only)

| Size | Order Code HAL-962 |
|---|---|
| **Yellow** | |
| M | **-4411B** |
| L | **-4412C** |

See our full range of

Hi-Vis Workwear

Scan the QR code



Quality tools by Cromwell

# You can with Kennedy.

**With Kennedy tools in your hands, you can build more. You can build a reputation.**

Throughout your working life, Kennedy is working to support you – with the tools you need to do the best job you can. We're there when you start your career. We're with you as you build your professional reputation. We're here to help you achieve your full potential in your industry. The work starts today.

KENNEDY®

## Halo SMS Type 5 & 6 Disposable Hooded Coveralls

- Material: SMS nonwoven fabric
- 55gsm
- Closure type: 1-way zip with 1-ply stormflap
- Liquid repellent
- Long sleeves
- Hooded
- Inside stitching
- Breathable
- Offers protection to exposed neck areas
- Elasticated cuffs, back and ankles
- Covershoes and gloves supplied separately
- CE Type 5 & 6
- EN13034 (Type 6)
- EN13982-1 (Type 5)
- CAT III

EN ISO 13982-1 EN 13034

| Size | Order Code HAL-962 |
|---|---|
| **Blue** | |
| S | **-3800A** |
| M | **-3801B** |
| L | **-3802C** |
| XL | **-3803D** |
| 2XL | **-3804E** |
| 3XL | **-3805F** |
| 4XL | **-3806G** |
| **White** | |
| S | **-3810A** |
| M | **-3811B** |
| L | **-3812C** |
| XL | **-3813D** |
| 2XL | **-3814E** |
| 3XL | **-3815F** |
| 4XL | **-3816G** |

## Halo Disposable Hooded Coveral

### White, Type 5 & 6

- Laminated microporous film 65gsm with inside stitching for lightweight comfortable wear
- Elasticated hood, cuffs, back and ankles
- Anti-static and liquid repellent protection against a wide range of contaminants
- 2 way zip with 1 ply stormflap
- Flexible diamond crotch gusset to improve movement
- EN 14126:2003

EN 14126 EN ISO 13982-1 EN 13034 EN 1073-2 EN 1149-

| Size | Order Code HAL-962 |
|---|---|
| S | **-3830A** |
| M | **-3831B** |
| L | **-3832C** |
| XL | **-3833D** |
| 2XL | **-3834E** |
| 3XL | **-3835F** |
| 4XL | **-3836G** |

## Micro-Porous Coveralls

See our range

Scan the QR code

## Halo Tyvek® 200 Hooded Coveralls
### White, Type 5 & 6

- Elasticated hood, cuffs, back and ankles
- 2-piece hood ensures protection regardless of the head's angle
- Yellow external seams for easy visual identification

EN ISO 13982-1 | EN 13034 | EN 1073-2 | EN 1149-5

| Size | Order Code HAL-962 |
|---|---|
| S | -8239A |
| M | -8239B |
| L | -8239C |
| XL | -8239D |
| 2XL | -8239E |
| 3XL | -8239F |

## Halo Microporous Sleeves
### White, Pack of 100

- Microporous material provides protection from splashes
- Elasticated at the wrist
- EN14325:2004

EN 14126 | EN 13688 | EN 13034: 2005

| Order Code HAL-962 |
|---|
| -9901L |

## Halo Microporous Overboots & Shoes
### White, Pack of 50

- Microporous material provides protection from splashes
- Boots ties around the ankle
- EN14325:2004

-9900S

-9900B

EN 13688 | EN 1149-5 | EN 14126 | EN 13034: 2005

| Type | Order Code HAL-962 |
|---|---|
| Overboots | -9900B |
| Overshoes | -9900S |

From start to finish

Your No. 1 choice for abrasive supplies

A comprehensive range of abrasive products – all backed with expert knowledge and support.

Visit our website to find out more

Keeping Industry Working™

Data supplied by the HSE states that Slips and Trips is still the largest cause of reportable incidents.

A clean and tidy work-place, teamed with the correct footwear can help reduce slip/trip accidents

## The standard is changing

Products to EN 20345:2011 & EN ISO 20345:2022 are legal for the next few years as the old products are phased out and new products to the new standard launched.

### EN 20345:2011

| Classification | SB | SBP | S1 | S1P | S2 | S3 | S4 | S5 |
|---|---|---|---|---|---|---|---|---|
| 200 Joule toecap | • | • | • | • | • | • | • | • |
| Protection from upward penetration | | • | | • | | • | | • |
| Fully enclosed energy absorbing heel | | | • | • | • | • | • | • |
| Anti-static | | | • | • | • | • | • | • |
| Water resistant upper | | | | | • | • | | |
| Cleated outsole | | | | | | • | | • |
| Waterproof upper | | | | | | | • | • |

### EN 20345:2022

| Classification | SB | SBP | S1 | S1P | S1PL | S1PS | S2 | S3 | S3L | S3S | S4 | S5 | S5L | S5S | S6 | S7 | S7L | S7S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Protective toe cap | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Mandatory slip resistance | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Closed seat region | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Electrical resistance | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Energy absorption under the heel | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Metal insert type P | | | | • | | | | • | | | | • | | | | • | | |
| Non-metal insert type PL | | | | | • | | | | • | | | | • | | | | • | |
| Non-metal insert type P5 | | | | | | • | | | | • | | | | • | | | | • |
| Water-penetration and absorption | | | | | | | • | • | • | • | | | | | • | • | • | • |
| Cleated outsole | | | | | | | | • | • | • | | • | • | • | | • | • | • |
| WR | | | | | | | | | | | | | | | • | • | • | • |

## Applicable Standards

**EN ISO 20345: 2011.** Safety Footwear with 200j Toecaps

**EN ISO 20346: 2014.** Protective Footwear with 100j Toecaps

**EN ISO 20347:2017.** Occupational Footwear

**EN ISO 20345:2022.** Safety Footwear with 200j Toecaps

| | |
|---|---|
| HRO | Heat Resistant Outsole |
| HI | Sole insulated against heat |
| CI | Sole insulated against cold |
| WR | Water Proof |

## Slip Resistance

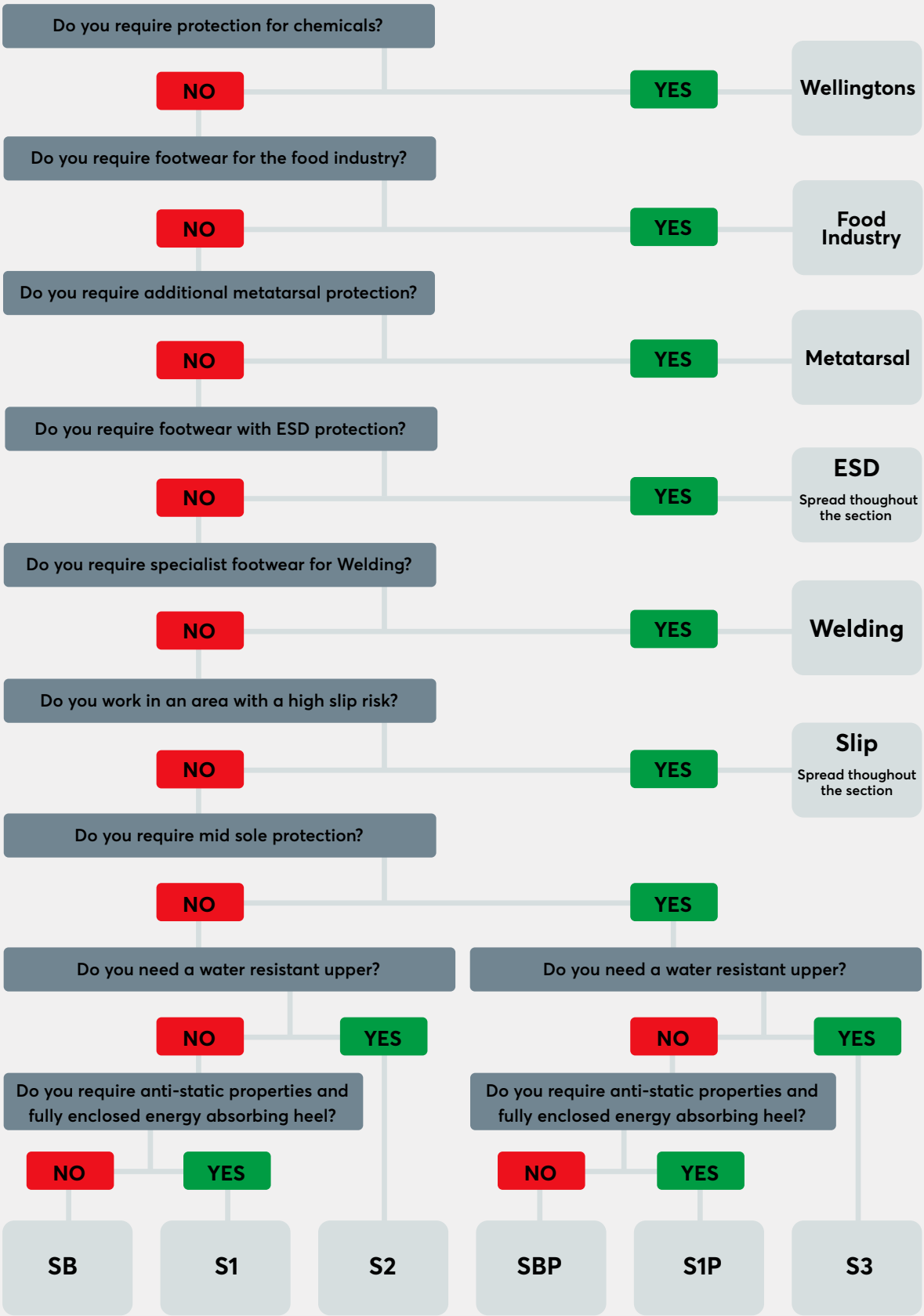
Slip resistance is covered by **EN ISO 20344:2004 (A1: 2007)**. Footwear which has passed the EN test for slip resistance will be marked with one of the following codes

| | |
|---|---|
| SRA | Slip resistance on ceramic tile floors with sodium lauryl sulfate solution (SLS) |
| SRB | Slip resistance on steel floors with glycerol |
| SRC | Passed both SRA and SRB tests |

| | |
|---|---|
| M | Metatarsal Protection |
| ESD | ElectroStatic Dissipative |
| FO | Sole resistant to fuel oils |
| E | Energy absorbing seat |
| P | Penetration resistant midsole |

| | |
|---|---|
| Class I | Footwear made entirely of leather and other materials |
| Class II | All entirely moulded footwear |
| SBH | Hybrid footwear that cannot be classified as either I or II |
| SB | Safety toe cap protection only, tested with 200 J impact and 15 KN compression force |
| S1 | Class 1 + Closed heel area + SB + A + E |
| S2 | As S1 + WPA |
| S3 | (Metal insert type P) as S2 + P + Cleated outsole |
| S3L | (Non-metal insert type PL) as S2 + PL + Cleated Outsole |
| S3S | (Non-metal insert type PS) as S2 + PS + Cleated Outsole |
| S4 | Upper material of all Rubber or Polymeric as SB + Closed heel area + A + E |
| S5 | (Metal insert type P) as S4 + P + Cleated Outsole |
| S5L | (Non-metal insert type PL) as S4 + PL + Cleated Outsole |
| S5S | (Non-metal insert type PS) as S4 + PS + Cleated Outsole |
| S6 | As S2 + WR |
| S7 | (Metal insert type P) as S3 + WR |
| S7L | (Non-metal insert type PL) as S3 + WR |
| S7S | (Non-metal insert type PS) as S3 + WR |
| LG | Ladder grip |
| SC | Scuff cap abrasion |
| PL | (Non-metal insert type PL) Penetration resistant outsole: Lowest penetration value required shall not be less than 1100N and no seperation of the layers shall occur during all tests |
| PS | (Non-metal insert type PS) Penetration resistant outsole: Average penetration value shall not be less than 1100N |
| A | Anti=static: Electrical resistance between foot and ground of between 0.1 and 1000 Mega Ohms* |
| C | Partially conductive footwear. The electrical resistance shal not be greater than 0.1 Mega Ohms between foot and ground* |
| WPA | Water penetration and absorption (water resistant and breathable) |
| AN | Ankle protectionL 10N impact means transferred force shall not exceed 10KN and no single value shall exceed 15KN |
| CR | Cut resistant upper: Cut resistance to exceed 2.5 on the index |
| SR | SR slip resistance test features glycerine on ceramic tile surface. Replaces SRA SRB SRC |
| Ø | No test given - for footwear featuring spikes or studs on sole |

# How To Select The Right Protection



# Footwear Selection

Wear foot protection to ensure protection in hazardous conditions. Data supplied by the HSE states that Slips and Trips is still the largest cause of reportable incidents. A clean and tidy workplace plus the correct footwear can help to reduce slips and trips plus other accidents.

**EN 20345:2011**

| Classification | SB | SBP | S1 | S1P | S2 | S3 | S4 | S5 |
|---|---|---|---|---|---|---|---|---|
| 200 Joule toecap | • | • | • | • | • | • | • | • |
| Protection from upward penetration | | • | | • | | • | | • |
| Fully enclosed energy absorbing heel | | | • | • | • | • | • | • |
| Anti-static properties | | | • | • | • | • | • | • |
| Water resistant upper | | | | | • | • | • | |
| Cleated outsole | | | | | | • | | • |
| Waterproof upper | | | | | | | • | • |

**EN 20345:2022**

| Classification | SB | SBP | S1 | S1P | S1PL | S1PS | S2 | S3 | S3L | S3S | S4 | S5 | S5L | S5S | S6 | S7 | S7L | S7S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Protective toe cap | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Mandatory slip resistance | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Closed seat region | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Electrical resistance | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Energy absorption under the heel | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Metal insert type P | | | | • | | | | • | | | | • | | | | • | | |
| Non-metal insert type PL | | | | | • | | | | • | | | | • | | | | • | |
| Non-metal insert type P5 | | | | | | • | | | | • | | | | • | | | | • |
| Water-penetration and absorption | | | | | | | • | • | • | • | | | | | • | • | • | • |
| Cleated outsole | | | | | | | | • | • | • | | • | • | • | | • | • | • |
| WR | | | | | | | | | | | | | | | • | • | • | • |

**Sizing Guide (Sizes are not standard)**

| UK | 2 | 3 | 4 | 5 | 6 | 6.5 | 7 | 8 | 9 | 10 | 10.5 | 11 | 12 | 13 | 14 | 14.5 | 15 | 16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Europe | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |

**NOTE:** Most shoe companies do not use absolutely correct size conversions and so it is quite common to have some variation from these tables. The table represents the 'best fit' solution i.e. calibrated to the nearest size to its counterpart.

## M

Safety Footwear that has metatarsal protection has an addition layer of material over the top of the foot to protect the metatarsal bones. This material can be flexible e.g Poron XRD, which hardens on impact and then softens again, maintaining the flexibility of the footwear or a hard material that acts as a shield to the top of the foot. Both act to deflect the energy of the impact and therefore save the foot from more serious injury.

## S5

A waterproof polymer or rubber upper with a 200j toecap, anti-static properties, midsole protection, a fully enclosed and energy absorbing heel area gives this footwear the highest specification. (See Wellingtons for these products).

## S3

Footwear with an S3 specification has a 200j toecap, midsole protection, anti-static properties and a fully enclosed energy absorbing heel area.

## S2

This specification has the same features as S1 but also has a water resistant upper.

## Halo S1P Safety Boot

S1P SRC

- Leather upper
- Steel toe cap and midsole provides protection in the workplace
- The EVA insole and padded tongue and collar provide additional comfort
- Supplied with an additional pair of laces
- EN ISO 20345:2011

| Size | Order Code HAL-963 |
|---|---|
| 3 | -1003K |
| 4 | -1004K |
| 5 | -1005K |
| 6 | -1006K |
| 7 | -1007K |
| 8 | -1008K |
| 9 | -1009K |
| 10 | -1010K |
| 11 | -1011K |
| 12 | -1012K |
| 13 | -1013K |

Halo

S3 SRC

| Size | Order Code HAL-963 |
|---|---|
| 3 | -0152A |
| 4 | -0152B |
| 5 | -0152C |
| 6 | -0153A |
| 7 | -0153B |
| 8 | -0153C |
| 9 | -0153D |
| 10 | -0153E |
| 11 | -0153F |
| 12 | -0153G |
| 13 | -0153H |


## See our full range of Safety Footwear

Scan the QR code

## Halo S3 Metatarsal Protection Safety Boot

S3 M SRC

- Leather upper
- Poron XRD provides impact protection to the top of the foot
- Steel toe cap and midsole protects you in the workplace
- The EVA insole and padded tongue and collar provide additional comfort
- Supplied with an additional pair of laces
- EN ISO 20345:2011

| Size | Order Code HAL-963 |
|---|---|
| 3 | -1073Z |
| 4 | -1074A |
| 5 | -1074B |
| 6 | -1074C |
| 7 | -1074E |
| 8 | -1074G |
| 9 | -1074J |
| 10 | -1074L |
| 11 | -1074N |
| 12 | -1074Q |
| 13 | -1074S |
| 14 | -1074T |
| 15 | -1074V |

## Halo S3 Metatarsal Safety Boot

S3 M HRO WR SRC

- Leather upper, heat resistant sole and Metatarsal protection make this the idea boot for many working environments
- Composite toe cap and midplate provides lightweight, flexible protection in the workplace
- Non-metallic
- Waterproof
- The EVA insole and padded tongue and collar provide additional comfort
- Scuffcap reduced the risk of damaging the leather
- Poron XRD® provides impact protection to the top of the foot
- EN ISO 20345:2011
- Supplied with a spare pair of laces

| Size | Order Code HAL-963 |
|---|---|
| 6 | -1086A |
| 7 | -1086B |
| 8 | -1086C |
| 9 | -1086D |
| 10 | -1086E |
| 11 | -1086F |
| 12 | -1086G |

| Size | Order Code HAL-963 |
|---|---|
| 13 | -1086H |
| 3 | -1088A |
| 4 | -1088B |
| 5 | -1088C |
| 6 | -1088D |
| 7 | -1088E |
| 8 | -1088F |

## Halo S3 Waterproof Metatarsal Safety Boots

S3 M HRO WR SRC

- Leather upper
- Poron XRD provides impact protection to the top of the foot
- Composite toe cap and midsole provide lightweight, flexible protection in the workplace
- The EVA insole and padded tongue and collar provide additional comfort
- Non-metallic
- Waterproof
- Supplied with an additional pair of laces
- EN ISO 20345:2011
- Zip fastening for ease

| Size | Order Code HAL-963 |
|---|---|
| 6 | -1085A |
| 7 | -1085B |
| 8 | -1085C |
| 9 | -1085D |
| 10 | -1085E |
| 11 | -1085F |
| 12 | -1085G |
| 13 | -1085H |

PRECISION POWER FOR EVERY JOB

Do not compromise. Choose Kobe for unparalleled performance and reliability. Your projects deserve nothing less than the best.

Ready to take your work to the next level? Discover the Kobe difference today and experience excellence at your fingertips!

Power. Precision. Perfection.

KOBE™

## Find us online

Navigating our website is made simple and easy to use. Optimised search and comparison for quick product selection.

Check product availability with ease. Once you've found your desired item, just click on it to see if it's in stock. Our real-time updates will let you know instantly if it's available for purchase.

Stay informed on pricing. List price shown making it easy for you to make purchasing decision.

Access detailed product information. For those who crave more knowledge, we provide comprehensive descriptions and downloadable technical documents to give you all the information you need to make an informed decision.

## Halo S3 Metatarsal Protection Safety Boots

- Leather upper
- Poron XRD provides impact protection to the top of the foot
- Composite toe cap and midsole provides lightweight, flexible protection in the workplace
- Non-metallic
- The EVA insole and padded tongue and collar provide additional comfort
- Supplied with an additional pair of laces
- EN ISO 20345:2011

| Size | Order Code HAL-963 |
|---|---|
| 6 | -1089D |
| 7 | -1089E |
| 8 | -1089F |
| 9 | -1089G |
| 10 | -1089H |
| 11 | -1089J |
| 12 | -1089K |

## Halo S1P Metatarsal Protection Safety Trainer

NEW

S1P M SRC

- Textile upper
- Poron XRD provides impact protection to the top of the foot
- Steel toe cap and composite midsole provides flexible lightweight protection in the workplace
- The EVA insole and padded tongue and collar provide additional comfort
- Supplied with an additional pair of laces
- EN ISO 20345:2011

| Size | Order Code HAL-963 |
|---|---|
| 4 | -1090B |
| 5 | -1090C |
| 6 | -1090D |
| 7 | -1090E |
| 8 | -1090F |
| 9 | -1090G |
| 10 | -1090H |
| 11 | -1090J |
| 12 | -1090K |

Save Our Earth

## Halo Composite Safety Shoes, Black

- EVA high-quality full-length footbed for increased comfort
- Polyurethane sole is resistant to water, oil and grease and is highly resilient
- Kevlar® midsole keeps the feet safe from puncture injuries
- Metal-free for a lighter, warmer shoe
- Unisex design for inclusive wear for everyone
- Halo® products are BSI tested
- EN ISO 20345:2011 S3 SRC

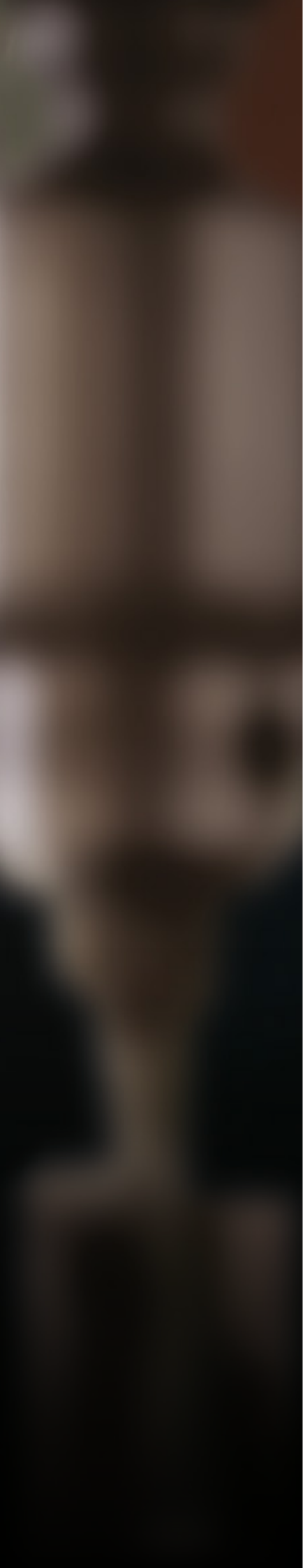
| Size | Order Code HAL-963 |
|---|---|
| 3 | -8003K |
| 4 | -8004K |
| 5 | -8005K |
| 6 | -8006K |
| 7 | -8007K |
| 8 | -8008K |
| 9 | -8009K |
| 10 | -8010K |
| 11 | -8011K |
| 12 | -8012K |
| 13 | -8013K |

## Halo FB1 Comfort Footbeds

- EVA full length comfort footbed is designed to support the foot
- Durable product that is suited for every day use
- Stabilises the heel to reduce pressure on the joints
- Cushioned insole absorbs impact to increase wearer comfort
- Shape contours to the heel and arch to achieve full foot contact
- Available in varying colours/sizes to suit your needs
- Halo® products are BSI tested

| Size | Order Code HAL-963 |
|---|---|
| 3 | -3503K |
| 4 | -3504K |
| 5 | -3505K |
| 6 | -3506K |
| 7 | -3507K |
| 8 | -3508K |
| 9 | -3509K |
| 10 | -3510K |
| 11 | -3511K |
| 12 | -3512K |
| 13 | -3513K |
| 14 | -3514K |
| 15 | -3515K |

KENNEDY®



Quality tools
by Cromwell®

## With Kennedy tools in your hands, you can build more. You can build a reputation.

Throughout your working life, Kennedy is working to support you – with the tools you need to do the best job you can. We're there when you start your career. We're with you as you build your professional reputation. We're here to help you achieve your full potential in your industry. The work starts today.

# Conversions - spanner & socket sizes



| Head Size (Spanner Size, Across Flats) | Thread Size M | | | |
|---|---|---|---|---|
| mm | German (BRD) metric according to DIN and ISO | France N F E 27-311 (69) 27-411 (69) | Sweden S M S 2164 - 1967 2175 - 1971 | Metric for DIN 6914 - 6915 |
| **4** | 2 | | 2 & 2.2 | |
| **4.5** | 2.3 | | | |
| **5** | 2.5 | | 2.5 | |
| **5.5** | 3 | 3 | 3 & 3.5 | |
| **6** | 3.5 | 3.5 | | |
| | | | | |
| **7** | 4 | 4 | 4 & 4.5 | |
| | | | | |
| **8** | 5 | 5 | 5 | |
| **9** | 5 Alt | | | |
| | | | | |
| **10** | 6 | 6 | 6 | |
| **11** | 7 | 7 | 7 | |
| **12** | | | | |
| **13** | 8 | 8 | 8 | |
| **14** | 8 Alt | | | |
| **15** | 10 KFZ | | | |
| **16** | | | | |
| **17** | 10 | 10 | 10 | |
| **18** | | | | |
| **19** | 12 | 12 | 12 | |
| **20** | | | | |
| **21** | | | | |
| **22** | 14 | 14 | 14 | 12 |
| **23** | | | | |
| **24** | 16 | 16 | 16 | |
| **25** | | | | |
| **26** | | | | |
| **27** | 18 | 18 | 18 | 16 |
| **28** | | | | |
| | | | | 18 |
| **30** | 20 | 20 | 20 | |
| **32** | 22 | 22 | 22 | 20 |
| | | | | |
| | | | | |
| **36** | 24 | 24 | 24 | 22 |
| **38** | | | | |
| **41** | 27 | 27 | 27 | 24 |
| | | | | |
| | | | | |
| **46** | 30 | 30 | 30 | 27 |
| | | | | |
| **50** | 33 | 33 | 33 | |
| | | | | |
| **55** | 36 | 36 | 36 | |
| | | | | |
| **60** | 39 | 39 | 39 | |
| | | | | |
| **65** | 42 | 42 | 42 | |
| | | | | |
| **70** | 45 | 45 | 45 | |
| | | | | |
| **75** | 48 | 48 | 48 | |
| | | | | |
| **80** | 52 | 52 | 52 | |
| **85** | 56 | 56 | 56 | |
| **90** | 60 | 60 | 60 | |
| **95** | 64 | 64 | 64 | |
| | | | | |
| **100** | 68 | 68 | 68 | |
| **105** | 72 | 72 | 72 | |
| **110** | 76 | 76 | 76 | |
| **115** | 80 | 80 | 80 | |
| **120** | 85 | 85 | 85 | |
| **125** | | | | |
| | | | | |
| **130** | 90 | 90 | 90 | |
| **135** | 95 | 95 | 95 | |
| **140** | | | | |
| **145** | 100 | 100 | 100 | |
| **150** | 105 | 105 | 105 | |
| **155** | 110 | 110 | 110 | |
| **160** | | | | |
| **165** | 115 | 115 | 115 | |
| **170** | 120 | 120 | 120 | |
| | | | | |

| Head Size (Spanner Size, Across Flats) | Thread Size UN | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Unified Standard | | ANSI B 18.2.1 - 1972 | | | | |
| | | | Nominal Series | Heavy Series | Nuts | | | Bolts & Screws | |
| **AF** | Inch Decimal | mm Equivalent | | | Square Bolt Hex Bolt Hex Cap Screw (Finished Hex Bolt) Lag Screw | Heavy Hex Bolt Heavy Hex Screw Heavy Structural Bolt | Hex Flat Hex Flat Jam Hex Jam Hex Slotted Hex Thick Slotted Hex Castle | Heavy Square Heavy Hex Flat Heavy Hex Flat Jam Heavy Hex Heavy Hex Jam Heavy Hex Slotted | Square Nut |
| **5/32** | 0.1562 | 3.97 | | | | | | | |
| | | | | | | | | | |
| **3/16** | 0.1875 | 4.76 | | | | | | | |
| **7/32** | 0.2187 | 5.56 | | | | | | | |
| **1/4** | 0.2500 | 6.35 | | | | | | | |
| | | | | | | | | | |
| **9/32** | 0.2812 | 7.14 | | | No. 10 | | | | |
| | | | | | | | | | |
| **5/16** | 0.3125 | 7.94 | | | | | | | |
| **11/32** | 0.3438 | 8.73 | | | | | | | |
| **3/8** | 0.3750 | 9.52 | | | | | | | |
| **13/32** | 0.4062 | 10.32 | | | | | | | |
| **7/16** | 0.4375 | 11.11 | 1/4 | | 1/4 | | 1/4 | | 1/4 |
| | | | | | | | | | |
| **1/2** | 0.5000 | 12.70 | 5/16 | 1/4 | 5/16 | | 5/16 | 1/4 | |
| **9/16** | 0.5625 | 14.29 | 3/8 | 5/16 | 3/8 | | 3/8 | 5/16 | 5/16 |
| **19/32** | 0.5938 | 15.08 | | | | | | | |
| **5/8** | 0.6250 | 15.88 | 7/16 | | 7/16 | | | | 3/8 |
| **11/16** | 0.6875 | 17.46 | | 3/8 | | | 7/16 | 3/8 | |
| | | | | | | | | | |
| **3/4** | 0.7500 | 19.05 | 1/2 | 7/16 | 1/2 | | 1/2 | 7/16 | 7/16 |
| **25/32** | 0.7812 | 19.84 | | | | | | | |
| **13/16** | 0.8125 | 20.64 | 9/16 | | 9/16 | | | | 1/2 |
| **7/8** | 0.8750 | 22.22 | | 1/2 | | 1/2 | 9/16 | 1/2 | |
| | | | | | | | | | |
| **15/16** | 0.9375 | 23.81 | 5/8 | | 5/8 | | 5/8 | 9/16 | |
| **1** | 1.0000 | 25.40 | | | | | | | 5/8 |
| | | | | | | | | | |
| **1 1/16** | 1.0625 | 26.99 | | 5/8 | | 5/8 | | 5/8 | |
| | | | | | | | | | |
| **1 1/8** | 1.1250 | 28.58 | 3/4 | | 3/4 | | 3/4 | | 3/4 |
| **1 3/16** | 1.1875 | 30.16 | | | | | | | |
| **1 1/4** | 1.2500 | 31.75 | | 3/4 | | 3/4 | | 3/4 | |
| **1 5/16** | 1.3125 | 33.34 | 7/8 | | 7/8 | | 7/8 | | |
| **1 3/8** | 1.3750 | 34.92 | | | | | | | |
| **1 7/16** | 1.4375 | 36.51 | | 7/8 | | 7/8 | | 7/8 | |
| **1 1/2** | 1.5000 | 38.10 | 1 | | 1 | | 1 | | 1 |
| **1 5/8** | 1.6250 | 41.28 | | 1 | | 1 | | 1 | |
| **1 11/16** | 1.6875 | 42.86 | 1 1/8 | | 1 1/8 | | 1 1/8 | | 1 1/8 |
| **1 3/4** | 1.7500 | 44.45 | | | | | | | |
| **1 13/16** | 1.8125 | 46.04 | | 1 1/8 | | 1 1/8 | | 1 1/8 | |
| **1 7/8** | 1.8750 | 47.62 | 1 1/4 | | 1 1/4 | | 1 1/4 | | 1 1/4 |
| **2** | 2.0000 | 50.80 | | 1 1/4 | | 1 1/4 | | 1 1/4 | |
| **2 1/16** | 2.0625 | 52.39 | 1 3/8 | | 1 3/8 | | 1 3/8 | | 1 3/8 |
| **2 3/16** | 2.1875 | 55.56 | | 1 3/8 | | 1 3/8 | | 1 3/8 | |
| **2 1/4** | 2.2500 | 57.15 | 1 1/2 | | 1 1/2 | | 1 1/2 | | 1 1/2 |
| **2 3/8** | 2.3750 | 60.32 | | 1 1/2 | | 1 1/2 | | 1 1/2 | |
| **2 7/16** | 2.4375 | 61.91 | | | 1 5/8 | | | | |
| **2 9/16** | 2.5625 | 65.09 | | | | 1 5/8 | | 1 5/8 | |
| **2 5/8** | 2.6250 | 66.68 | 1 3/4 | | 1 3/4 | | | | |
| **2 3/4** | 2.7500 | 69.85 | | 1 3/4 | | 1 3/4 | | 1 3/4 | |
| **2 13/16** | 2.8125 | 71.44 | | | 1 7/8 | | | | |
| **2 15/16** | 2.9375 | 74.61 | | | | 1 7/8 | | 1 7/8 | |
| **3** | 3.0000 | 76.20 | 2 | | 2 | | | | |
| **3 1/8** | 3.1250 | 79.38 | | 2 | | 2 | | 2 | |
| **3 3/8** | 3.3750 | 85.72 | 2 1/4 | | 2 1/4 | | | | |
| **3 1/2** | 3.5000 | 88.90 | | 2 1/4 | | 2 1/4 | | 2 1/4 | |
| **3 3/4** | 3.7500 | 95.25 | 2 1/2 | | 2 1/2 | | | | |
| **3 7/8** | 3.8750 | 98.42 | | | | 2 1/2 | | 2 1/2 | |
| | | | | | | | | | |
| **4 1/8** | 4.1250 | 104.78 | 2 3/4 | | 2 3/4 | | | | |
| **4 1/4** | 4.2500 | 107.95 | | 2 3/4 | | 2 3/4 | | 2 3/4 | |
| **4 1/2** | 4.5000 | 114.30 | 3 | | 3 | | | | |
| **4 5/8** | 4.6250 | 117.48 | | 3 | | 3 | | 3 | |
| **4 7/8** | 4.8750 | 123.82 | | | 3 1/4 | | | | |
| **5** | 5.0000 | 127.00 | | | | | | 3 1/4 | |
| **5 1/4** | 5.2500 | 133.35 | | | 3 1/2 | | | 3 1/2 | |
| **5 3/8** | 5.3750 | 136.52 | | | | | | 3 1/2 | |
| **5 5/8** | 5.6250 | 142.88 | | | 3 3/4 | | | 3 3/4 | |
| **5 3/4** | 5.7500 | 146.05 | | | | | | 3 3/4 | |
| **6** | 6.0000 | 152.40 | | | 4 | | | 4 | |
| **6 1/8** | 6.1250 | 155.58 | | | | | | 4 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Head Size (Across Flats) | | Thread Size (Spanner Size) BS | |
|---|---|---|---|
| Inch Decimal | mm Equivalent | **BA & BSW** | **BSF** |
| 0.152 | 3.86 | **8BA** | |
| 0.172 | 4.37 | **7BA** | |
| 0.193 | 4.90 | **6BA** | |
| 0.220 | 5.59 | **5BA** | |
| 0.248 | 6.30 | **4BA** | |
| 0.256 | 6.50 | **1/16W** | |
| 0.282 | 7.16 | **3BA** | |
| 0.297 | 7.54 | **3/32W** | |
| 0.324 | 8.23 | **2BA** | |
| 0.340 | 8.64 | **1/8W** | **(3/16)** |
| 0.365 | 9.27 | **1BA** | |
| 0.413 | 10.49 | **0BA** | **(7/32)** |
| 0.445 | 11.30 | **3/16W** | **1/4** |
| | | | |
| 0.525 | 13.34 | **1/4W** | **5/16** |
| | | | |
| 0.600 | 15.24 | **5/16W** | **3/8** |
| | | | |
| | | | |
| 0.710 | 18.03 | **3/8W** | **7/16** |
| | | | |
| | | | |
| 0.820 | 20.83 | **7/16W** | **1/2** |
| | | | |
| 0.920 | 23.37 | **1/2W** | **9/16** |
| | | | |
| | | | |
| 1.010 | 25.65 | **9/16W** | **5/8** |
| | | | |
| 1.100 | 27.94 | **5/8W** | **(11/16)** |
| | | | |
| 1.200 | 30.48 | **11/16W** | **3/4** |
| | | | |
| 1.300 | 33.02 | **3/4W** | **7/8** |
| 1.390 | 35.31 | **13/16W** | **(15/16)** |
| | | | |
| 1.480 | 37.59 | **7/8W** | **1** |
| | | | |
| 1.670 | 42.42 | **1W** | **1 1/8** |
| | | | |
| | | | |
| 1.860 | 47.24 | **1 1/8W** | **1 1/4** |
| | | | |
| 2.050 | 52.07 | **1 1/4W** | **1 3/8** |
| | | | |
| 2.220 | 56.39 | **1 3/8W** | **1 1/2** |
| | | | |
| 2.410 | 61.21 | **1 1/2W** | **1 5/8** |
| 2.580 | 65.53 | **1 5/8W** | **1 3/4** |
| | | | |
| 2.760 | 70.10 | **1 3/4W** | **2** |
| | | | |
| | | | |
| | 76.70 | **1 7/8W** | |
| 3.150 | 80.01 | **2W** | **2 1/4** |
| | | | |
| 3.550 | 90.17 | | **2 1/2** |
| | | | |
| 3.890 | 98.81 | | **2 3/4** |
| | | | |
| 4.180 | 106.17 | | **3** |
| | | | |
| 4.530 | 115.06 | | **3 1/4** |
| | | | |
| 4.850 | 123.19 | | **3 1/2** |
| | | | |
| 5.180 | 131.57 | | **3 3/4** |
| | | | |
| 5.550 | 140.97 | | **4** |
| | | | |
| 6.380 | 162.05 | | **4 1/2** |

**C** = Centigrade
**F** = Fahrenheit
**ft** = Feet
**g** = Gram
**gal** = UK Gallon
**hp** = Horse Power
**in** = Inch
**K** = Kelvin
**kg** = Kilogram
**km** = Kilometre
**Kw** = Kilowatt
**l** = Litre
**lb** = Pound
**mm** = Millimetre
**mtr** = Metre
**oz** = Ounce
**pt** = UK Pint
**yd** = Yard

| To Convert From Imperial | To Metric | Multiply By |
|---|---|---|
| °F | °C | °C=(°F -32) x 5/9 |
| °F | °K | °K=°C + 271.3 |
| ft | mtr | 0.3048 |
| $ft^2$ | $mtr^2$ | 0.092903 |
| $ft^3$ | $mtr^3$ | 0.028317 |
| ft-lbs | kg-m | 0.13826 |
| ft-tons | tonne-mtr | 0.3097 |
| gal | ltr | 4.54609 |
| $gal/ft^2$ | $ltr/m^2$ | 48.905 |
| grains/gal | gm/ltr | 0.01425 |
| hp | kw | 0.7457 |
| in | mm | 25.40 |
| $in^2$ | $cm^2$ | 6.4516 |
| $in^2$ | $mm^2$ | 645.16 |
| $in^3$ | cm3 (cc) | 16.3871 |
| in-tons | kg-m | 25.8 |
| lb | kg | 0.45360 |
| lb/ft | kg/m | 1.488 |
| lb/ft2 | $kg/m^2$ | 4.883 |
| $lb/ft^3$ | $kg/m^3$ | 15.020 |
| lb/gall | kg/ltr | 0.09983 |
| $lb/in^2$ (PSI) | $kg/cm^2$ | 0.07037 |
| $lb/in^2$ (PSI) | $kg/mm^2$ | 0.0007037 |
| $lb/in^2$ (PSI) | $kg/mtr^2$ | 703.7 |
| lb/mile | kg/km | 0.2818 |
| lb/yd | kg/m | 0.496 |
| $lb/yd^3$ | $kg/m^3$ | 0.5933 |
| nautical mile | km | 1.8532 |
| miles | km | 1.60934 |
| $miles^2$ | $km^2$ | 2.58999 |
| oz | g | 28.3495 |
| pt | ltr | 0.568261 |
| tons | tonnes (1000kg) | 1.01605 |
| tons/ft | kg/m | 3333.33 |
| $tons/ft^2$ | $tonnes/m^2$ | 10.936 |
| $tons/in^2$ | $kg/mm^2$ | 1.575 |
| $tons/in^2$ | $n/mm^2$ | 15.444 |
| tons/yd | kg/m | 1111.11 |
| $tons/yd^2$ | $tonnes/m^2$ | 1.215 |
| $tons/yd^3$ | $tonnes/m^3$ | 1.329 |
| yd | mtr | 0.9144 |
| $yd^2$ | $mtr^2$ | 0.836127 |
| $yd^3$ | $mtr^3$ | 0.764555 |

| To Convert From Metric | To Imperial | Multiply By |
|---|---|---|
| °C | °F | °F=(°Cx9/5)+32 |
| °K | °F | °F=(°K-271.3)x1.8+32 |
| $cm^2$ | $in^2$ | 0.155 |
| $cm^3$ (cc) | $in^3$ | 0.06102 |
| g | oz | 0.035274 |
| gm/ltr | grains/gal | 70.156 |
| kg | lb | 2.2046 |
| $kg/cm^2$ | $lb/in^2$ (PSI) | 14.223 |
| kg/km | lb/mile | 3.548 |
| kg/ltr | lb/gal | 10.022 |
| kg/m | lb/ft | 0.672 |
| kg/m | lb/yd | 2.016 |
| kg/m | tons/ft | 0.0003 |
| kg/m | tons/yd | 0.0009 |
| $kg/m^2$ | $lb/ft^2$ | 0.2048 |
| $kg/m^3$ | $lb/ft^3$ | 0.0624 |
| $kg/m^3$ | $lb/yd^3$ | 1.686 |
| $kg/mm^2$ | $lb/in^2$ (PSI) | 1421.06 |
| $kg/mm^2$ | $tons/in^2$ | 0.635 |
| $kg/mtr^2$ | $lb/in^2$ (PSI) | 0.00142 |
| kg-m | in-tons | 0.03875 |
| kg-m | ft-lbs | 7.233 |
| km | nautical miles | 0.5396 |
| km | miles | 0.62137 |
| $km^2$ | $miles^2$ | 0.38610 |
| kw | hp | 1.341 |
| ltr | gal | 0.21997 |
| ltr | pt | 1.75975 |
| $ltr/m^2$ | $gall/ft^2$ | 0.0204 |
| mm | in | 0.03937 |
| $mm^2$ | $in^2$ | 0.00155 |
| mtr | yd | 1.09361 |
| mtr | ft | 3.28084 |
| $mtr^2$ | $yd^2$ | 1.19599 |
| $mtr^2$ | $ft^2$ | 10.76391 |
| $mtr^3$ | $yd^3$ | 1.30795 |
| $mtr^3$ | $ft^3$ | 35.31467 |
| $N/mm^2$ | $tons/in^2$ | 0.06475 |
| tonne-m | ft-tons | 3.229 |
| tonnes (1000kg) | tons | 0.9842 |
| $tonnes/m^2$ | $tons/ft^2$ | 0.0914 |
| $tonnes/m^2$ | $tons/yd^2$ | 0.823 |
| $tonnes/m^3$ | $tons/yd^3$ | 0.752 |

**Metric Weight**

| | |
|---|---|
| 10 Milligrams | 1 Centigram |
| 10 Centigrams | 1 Decigram |
| 10 Decigrams | 1 Gram |
| 10 Grams | 1 Decagram |
| 10 Decagram | 1 Hectogram |
| 10 Hectograms | 1 Kilogram |
| 10 Kilograms | 1 Myriagram |

**Metric Length**

| | |
|---|---|
| 10 Millimetres | 1 Centimetre |
| 10 Centimetres | 1 Decimetre |
| 10 Decimetres | 1 Metre |
| 10 Meters | 1 Decametre |
| 10 Decametres | 1 Hectometre |
| 10 Hectometres | 1 Kilometre |
| 10 Kilometres | 1 Myriametre |
| 1 Metre | 1.094 Yards, 39.371in |

**Metric Surface Area**

| | |
|---|---|
| 1 sqmtr | 1 Centiares |
| 10 Centiares | 1 Deciare |
| 10 Deciares | 1 Are, (100 sq metres) |
| 10 Ares | 1 Dekare |
| 10 Dekares | 1 Hectare (10,000 sqmtr) |
| 100 Hectares | 1 Sq km |

**Metric Capacity**

| | |
|---|---|
| 10 Millilitres | 1 Centilitre |
| 10 Centilitres | 1 Decilitre |
| 10 Decilitres | 1 Litre |
| 10 Litres | 1 Decalitre |
| 10 Decalitres | 1 Hectolitre |
| 10 Hectolitres | 1 Kilolitre |

**Imperial Weight (Avoirdupois)**
Used for General Merchandise

| | |
|---|---|
| 16 Drams | 1 Ounce (437½ Grains Troy) |
| 16 Ounces | 1 Pound (7000 Grains Troy) |
| 14 Pounds | 1 Stone |
| 28 Pounds | 1 Quarter |
| 100 Pounds | 1 Cental |
| 4 Quarters | 1 Hundredweight (112 Pounds) |
| 2000 Pounds | 1 Short Ton |
| 20 Hundredweight | 1 Ton (2240 Pounds) |

Avoirdupois pounds are greater than Troy in the proportion of 17 to 14 approx; Troy ounces are greater than Avoirdupois in the proportion of 79 to 72 approx.

**Imperial Surface Area**

| | |
|---|---|
| 144 Square inches | 1 Square foot |
| 9 Square feet | 1 Square yard |
| 30¼ Square yards | 1 Square pole |
| 40 Square poles | 1 Rood |
| 4 Roods | 1 Acre |
| 640 Acres | 1 Square mile |

7.92 inches is equal to one hundredth of a "Gunter's Chain" (22 yards) which is (was) commonly used by surveyors. An "Engineer's link" is equal to 12 inches and a chain is therefore 33⅓ yards (100 feet)

**Imperial Cubic Capacity**

| | |
|---|---|
| 1728 Cubic Inches | 1 Cubic Foot |
| 27 Cubic Feet | 1 Cubic Yard |
| 5 Cubic Feet | 1 Barrel Bulk |
| 40 Cubic Feet | 1 Ton Shipping |
| 40 Cubic Feet | 1 Load Hard Timber |
| 50 Cubic Feet | 1 Load Foreign Fir |

**Apothecaries' Weight**
Used for Dispensing Drugs, etc.

| | |
|---|---|
| 20 Grains | 1 Scruple |
| 3 Scruples | 1 Dram |
| 8 Drams | 1 Ounce |
| 12 Ounces | 1 Pound |

**Apothecaries' Fluid Measure**

| | |
|---|---|
| 60 Minims | 1 Dram |
| 8 Drams | 1 Ounce |
| 20 Ounces | 1 Pint |
| 8 Pints | 1 Gallon |

**Troy Weight**

| | |
|---|---|
| 24 Grains | 1 Pennyweight |
| 20 Pennyweight | 1 Ounce (480 Grains) |
| 12 Ounces | 1 Pound (5760 Grains) |

Diamonds and Pearls are weighed by Carats, of 4 grains each (equal to 3.2 Troy grains). The Troy ounce is equal to 150 Diamond Carats. Gold, when pure, is 24 Carats fine; if it contains one part alloy it is said to be 23 Carats, and so on.

**Imperial Length**

| | |
|---|---|
| 3 Barleycorns | 1 Inch |
| 3 Inches | 1 Palm |
| 4 Inches | 1 Hand |
| 7.92 Inches | 1 Link |
| 9 Inches | 1 Span |
| 12 Inches | 1 Foot |
| 18 Inches | 1 Cubit |
| 30 Inches | 1 Pace |
| 3 Feet | 1 Yard |
| 37.2 Inches | 1 Scottish Ell |
| 45 Inches | 1 English Ell |
| 5 Feet | 1 Geometrical Pace |
| 6 Feet | 1 Fathom |
| 5½ Yards | 1 Pole |
| 4 Poles | 1 Chain |
| 100 Links | 1 Chain |
| 10 Chains | 1 Furlongww |
| 220 Yards | 1 Furlong |
| 608 Feet | 1 Cable |
| 8 Furlongs | 1 Mile (land) |
| 10 Cables | 1 Nautical Mile |
| 1 Nautical Mile | 1.1515 land Miles |
| 1 Knot | 1 Nautical Mile |
| 3 Miles (land) | 1 League |

**Imperial Capacity**
Used for Liquids and Dry Goods

| | |
|---|---|
| 4 Gills | 1 Pint |
| 2 Pints | 1 Quart |
| 4 Quarts | 1 Gallon |
| 2 Gallons | 1 Peck |
| 4 Pecks | 1 Bushel |
| 8 Bushels | 1 Quarter |
| 5 Quarters | 1 Load |
| 36 Bushels | 1 Chaldron |

A bushel of wheat on an average weighs 60 pounds; of barley, 47 pounds; of oats, 40 pounds. The gallon contains 10 pounds avoirdupois of distilled water.

**Decimal Capacity**

| Pints | Gallon | Cub.Ft. | Litres |
|---|---|---|---|
| 1 | 0.125 | 0.0200 | 0.568 |
| 8 | 1.000 | 0.1604 | 4.544 |
| 16 | 2.000 | 0.3208 | 9.082 |

# International Branches

**Czech Republic (Prague)**
Head Office:
Cromwell Czech Republic
s.r.o. Nachodska 73,
193 00 Praha 9
Horni Pocernice

T: +420 281 927 744 - 7
E: sales@cromwell.cz

**Hungary (Budapest)**
Head Office:
1239 Budapest,
Ócsai út 5

T: +36 (0)1 2868 866
E: info@cromwell.hu

**India (near Mumbai)**
**Corporate Office:**

A-903, Dev Corpora, Opp. Cadbury Co., Khopat, Thane (W)-400601

T: +91 (0) 22 4964 6701
E: sales@cromwell.co.in

**Registered Office:**

AB 1 to AB 5,
Rajlaxmi Commercial Complex,
Thane Bhiwandi Road, Kahler,
District Thane – 421302
Maharashtra State

**Indonesia (Jakarta)**
Head Office:
PT Cromwell Tools,
Bizpark 2, Blok A No.7-8, Jl. Raya Penggilingan, Cakung, Jakarta Timur 13940, Indonesia

T: +62 21 29573960
E: sales@cromwell.co.id

**Ireland (Dublin)**
Tooling & Engineering
Distributors (T.E.D.) Ltd.
Unit 9, The Olde Sawmills,
Ballymount Road, Walkinstown,
Dublin 12, D12 AF34

T: +353 (0) 14505811
E: sales@ted.ie

**Malaysia (near Kuala Lumpur)**
Head Office:
No. 11 & 11A, Jalan PJS 11/1, Bandar Sunway, 46150 Petaling Jaya, Selangor
Darul Ehsan, Malaysia

T: +60 (3) 5638 6666
E: malaysiasales@cromwell.com.my

**Poland (Warsaw)**
Head Office:
Cromwell Sp. z o.o.
ul. Bodycha 97, 05-816
Michalowice-Reguly,
Warszawa, Poland

T: +48 22 723 77 02
E: sales@cromwell.pl

**South Africa (Johannesburg)**
Head Office:
Unit 5 & 6, Pelican Park,
Malcolm Moodie Crescent,
Jet Park 1469, Johannesburg
P.O. Box 30137

T: +27 (0)11 397 6666/7
E: SouthAfricaSales@cromwell.co.za

**Thailand (near Bangkok)**
Head Office:
2070 Moo 1, Old Railway Road,
T. Samrong Nua, A. Mueng,
Samutprakarn 10270, Thailand

T: +66 (0) 2 743 5353
E: info@cromwell.co.th

# UK Export Division Offering

## How we can help

- Dedicated teams of tender and quotation specialists cover the UK, Europe, Middle East, Asia and Africa.
- In-house packing facilities and shipping department for rapid despatch.
- Fully up to speed on all export procedures and documentation.

## What we deliver

- Hand, power and cutting tools.
- Metalworking, construction, laboratory & woodworking equipment.
- Educational and vocational training equipment.
- Electrical installation and test equipment.
- Automotive and garage equipment.

## Who we work with

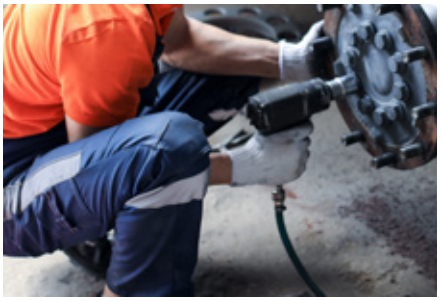
**International funding agencies and governmental organisations.**

**Vocational training and educational institutions.**

**Aid and relief organisations, such as Unicef.**

**Government ministries for utilities, education, health, construction, transport, mining, oil and chemical industries.**

**Approved supplier to the United Nations, World Banks, Crown Agents, Red Cross, Red Crescent and Oxfam.**



Our exclusive brands

AVON

EDISON

Halo

INDEXA

KENNEDY

KOBE

MATLOCK

OXFORD PRECISION

RUTLAND Quality Gardening Tools

SENATOR QUALITY TOOLING

SHERLOCK QUALITY SEALANTS

SHERWOOD QUALITY CUTTING TOOLS

SITESAFE

SOLENT LUBRICANTS

SOLENT SPILL CONTROL

SWISS+TECH

TUFFSAFE

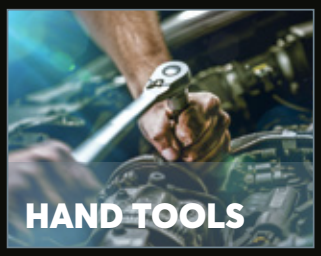
YAMALOY YAMALOY TOOLING · JAPAN

YAMOTO

YORK ABRASIVES

Cromwell®

## Famous for



We keep operations
running and people safe.

Follow us