

K & M (Wholesale Suppliers) Ltd
Unit 24 Lion Park
Holbrook Industrial Estate
New Street, Halfway
Sheffield, S20 3GH

Telephone Sales/Enquiries

01142 474733

Fax Order Lines

01142 475335 & 01142 280241

E-mail Order Address

order@km-wholesalesuppliers.co.uk

Website

www.km-wholesalesuppliers.co.uk

It is our pleasure to supply you with our 42nd Annual catalogue.

The prices shown are correct at March 2021.

We are pleased to announce that once again due to your support and that of our suppliers we are able to hold many of our prices.

As in the past we will endeavour to hold these prices firm for the remainder of the year, however we must reserve the right to amend them as and where necessary.

Please see our website for current prices, additional product descriptions and new products.

Orders over £250 nett will be carriage paid (excluding excepted items) otherwise charged at cost.

UK Mainland only. Export and Offshore carriage extra. Minimum carriage charge is £5.80.

All claims for loss, shortage or damage must be made immediately on receipt and in writing within five days of delivery. In the case of shortage or damage do not dispose of any packaging.

Notification is required in the case of non-delivery within ten days of the date of the invoice.

Returns will only be accepted with our prior agreement.

Handling and freight costs on any correctly supplied order returned for credit will be charged.

Minimum total charge is 20%. Unsolicited returns not accepted.

Please advise of dates you will be closed for holiday to avoid problems of access for delivery.

All descriptions in this catalogue are given in good faith but may change without notice and do not form part of any sale contract. E&OE.

All prices shown are nett. Vat extra.

Registered Office

24A New Road
Barlborough
Chesterfield
Derbyshire
S43 4HZ

Vat No 295 5973 94 Company No 2081682

Alphabetical Index

A

Abrasive Belts/Disks 172 & 173
 Abrasive Saw Frames & Blades 49
 Abrasives 171-178
 Abrasive Points 273
 ABS Boxes 290
 ABS Sheet 17
 ABS Tube 26
 Acrylic Hinge 29
 Acrylic Sheet 11-17 & 316
 Adhesives 19, 28-29
 Block 16
 Door Catch/Keyway 29
 Shapes 24-27
 Tube/Rod 22-24 & 26-28
 Acrylic Paint 224-225
 Acrylic Varnish 231 & 317
 Adhesives 19, 21, 28, 29, 180-183
 Applicators 19, 28, 29, 179-183
 Adhesive Strip Lead 350
 Adjustable Set Square 309
 Adjustable Wrench 81
 Air Brushes 338-339
 Inks 340
 Air Cleaning System 146-148
 Alkaline Batteries 280
 All Purpose Filler 229
 Allen Keys 84
 Aluminium Oxide Abrasives 171-173
 Cloth/Paper 171-173
 Aluminium Paint 224
 Aluminium Rod 31-32 & 35
 Aluminium Sheet/Ingot 30
 Aluminium Tube 31-32 & 35
 Aluminium Wire 329
 Ammeters 284
 Angle Clamp 75
 Angle Iron 33
 Angle Grinders 132
 Angle Plates 95
 Antelope Bandfacers 162-163
 Anti-Reflective Acrylic 13
 Anvils 127
 Appliance Tester 287
 Applicators 19 & 29
 Aprons 169
 Araldite 180
 Arbours 51 & 217
 Arc Rods 36
 Artists Brushes 336
 Art Folders 293-294
 Art Mache 323
 Art Metal Tools 98
 Art Roc 323
 Artstraws 324
 AS 949 Tape Gun and Tapes 183
 Auger Bits 197
 Automatic Wire Stripper 277
 Aven Filemasters 55

Axial Fan 278
 Axle Block 115 & 344
 Axle Wire 344 & 347-348

B

Baby Burco/Candlemaking 334
 Backflap Hinges 210
 Bakers Flux 36
 Bales Catches 211
 Ball Bearings 346
 Balsa Cement/Wood 37 & 180
 Band Clamp 77
 Bandsaw 137 & 143
 Bandsaw Blades 53 & 142
 Bandsaw Spares 142
 Barrier Cream 170
 Batteries 280
 Battery Charger 280-281
 Battery Holders/Clips 281
 Beads 324 & 331
 Bear Toolgrinder 160
 Beeswax 230, 232 & 332
 Belts/Sander 136, 138, 145 & 172
 Bench Bender 109
 Bench Brushes 336
 Bench Drill 138 & 145
 Bench Holder 274
 Bench Holdfast 75
 Bench Hooks 114-115
 Bench Sander 138
 Bender Pipe/Tube 109
 Bentomix Sand 129
 Bevets Sliding 108
 Bezel Panel clips 258
 Bins Storage 167 & 268
 Biros 313
 Biscuit Jointer 134 & 201
 Bison Paste Wax 232
 Blackboard Instruments 301
 Blacksmiths Drills 191
 Tools 126-131
 Blades/Saws 52-53
 Knives 90-91
 Bleedproof Marker Pads 309
 Blu Tack 181
 Blued Tacks 208
 Boardwriter 313
 Bobbing Grease 234
 Bolster Chisel 69
 Boiler Suits 169
 Bolt Cutters 114
 Bolts/Doors 211
 High Tensile 188
 Book Covering Film 307
 Boring Bars/Bits (Metal) 202
 Boring Bits (Wood) 195-197
 Bossing Mallets 98
 Bostik/Adhesive 180 & 181
 Box/Pan Folder 141
 Box Spanner 83

Bracelet Fittings 330 & 331
 Bradawls 63
 Brad Drivers 62
 Brass Rod/Tube 32 & 34-35
 Brass Sheets 30
 Brass Wire 30 & 329
 Brazing Flux/Rods 36
 Breast Drills 193
 Brick Bolster 69
 Bridge Rectifiers 256-257
 Brooch Pins 331
 Browguard 168
 Brush Cleaner 229
 Brushes Paint 336
 Wire/Scratch 336-337
 Bubble Etch Tank 267-268
 Bubble Rod 27
 Buffing Mops/Soap 234
 Burnishing Paste 230 & 232
 Burrs 177-178 & 273
 Button Polish 230 & 233
 Button Cells 280
 Butyrate Tube 24
 Buzzers 252

C

Cabbage Mops 234
 Cabinet Feet 215
 Cabinet Scrappers 62 & 89
 Cable 236-238
 Cable Reels 288
 Cable Ties 238
 Cad/Cam Vinyl 17
 Calico Mops 234
 Calipers 103-106, 115 & 317
 Candlemaking Equip 332-335
 Cap Screws 188-189
 Capacitors 242-245
 Capped Starlock 344
 Card 307-308
 Carnauba Wax 230
 Carpenters Brace 193
 Carving Tools 66
 Cascomite 180
 Case Clips/Catches 212
 Cash Box 166
 Cast Acrylic sheet 11-15
 Casting Block 49
 Casting Equipment 49, 129 & 157
 Castors 212 & 215
 CD Frame 352-353
 CDT Timber 38-39
 Cellulose Sealer 230
 Centre Drills 191
 Centres/Lathe 71 & 203
 Centre Points 112
 Centre Punches 73
 Ceramic Capacitors 242 & 244
 Ceramic Chips 129
 Chain Clamp 81

Alphabetical Index

Chains 346
 Chamois Polisher 159
 Chinagraph Pencils 310
 Chipboard Unlined 308
 Chipboard Fittings 212
 Chipping Blocks 127
 Chisels 64-65, 69 & 93
 Chuck Handles 56
 Chuck/Keys 217
 Chuck Key Strap 217
 Circle Templates 298
 Circlip Pliers 79
 Circuit Testers 80
 Circular Saw 134
 Blades 53
 Clamps Toolmakers 114
 Claw Hammer 92 & 99
 Cleaning Rags 169
 Cleansers 170
 Clips
 Battery 281
 Drawing Board 306
 Terry 210
 Clock Movements 320
 Clock Blanks 320
 Clutch Pencil 311
 Coat Hooks 214
 Cold Chisels 69
 Colourcard 307
 Coloured Pencils 310
 Colour Pens/Sticks 312
 Combination Gauges 93
 Combination Sets 108
 Combination Spanners 82
 Combo Sawing Aids 115
 Compasses 301 & 304-305
 Compass Cutters 296
 Compressors 338
 Concrete Chisel 69
 Conecut Sheet Drill 194
 Connector Strips 214
 Connectors Elect 214 & 241
 Contact Adhesive 180
 Continuous Hinge 210
 Control Knobs 251
 Copic Markers 307
 Copier Paper 308
 Coping Saw 42-43 & 57
 Blades 42 & 52
 Copper Clad Board 264
 Copper Rod & Tube 32 & 34-35
 Copper Sheet 30
 Copper Tracking 263
 Copper Wire 30 & 329
 Copydex 180
 Cordless Drill 133
 Cork Adhesive 180
 Cork Blocks 114
 Corks 322
 Corner Braces 212

Corner Clamp 75
 Corner Templates 311
 Correx 20
 Cotton Reels 325
 Countersink Drills 194-195
 Coverall Flux 129
 Craftpak 38-39
 Cramps 74-75
 Cramp Spares 118
 Crimp Connectors/Tool 241
 Crocodile Clips 214 & 239
 Crocus Compound 234
 Cromar 226
 Crucibles 129
 Crucible Tongs 131
 Cupboard Catches 211
 Cup Brushes 337
 Cup Hooks 209
 Circuit Tester 80
 Curtain Hooks 214
 Cutting Gauges 93
 Cutting/Grinding Discs 50
 Cutting Mats 294
 Cutting Off Blades 203



Danish Oil 230 & 233
 Day-Glo Paper 309
 Deb 170
 Deb Dispenser 170
 De-Burring Tool 62
 Decra Lead 350
 De-Gassing Tablets 129
 Deer Bandfacer 162-163
 Degreasers 170
 Depth Gauges 95 & 105
 Stops 112
 Design Folders 293
 De-Soldering Tool 277
 Detective Security Range 315
 Devcon 158
 Developer PCB 263
 Dial Gauges 104
 Diamond Sharpening Set 174
 Dies/Dieholders 218-221
 Diodes 256
 Dip Coating Machines 154-155
 Dip Coating Powder 155
 Discs/Abrasives & Grinding 173
 Disc Sander M/c 138 & 139
 Display Boards 308
 Distribution Boards 239
 Dividers 103 & 317
 Document Wallets 306
 Dome Blowing Rig 156
 Dome Nuts 187
 Domes Hemispherical 25-26
 Doming Blocks 205
 Door Bolts 211
 Door Knobs 213

Dovetail Cutters 113 & 199
 Dovetail Jig 113
 Dovetail Saws 42-45
 Dowel 38
 Dowel & Drills 112
 Dowel Jigs 112
 Dowel Kits 112
 Drafting Tapes 182
 Drawing Board Clips 306
 Drawing Boards 299-300
 Folders 293-294
 Paper 308-309
 Pins 306
 Dreadnought Files 55
 Dresser Hooks 209
 Dresser Stick Cleaning 172-173
 Drifts 191
 Drill Bits 190-197
 Chucks 217
 Clamp/Collar 77
 CSK 194-195
 Electric 132-133 & 145
 Gauges 95
 Hand 193
 PCB 271-272
 Sets 190 & 317
 Stands 270 & 272
 Drill Grinding Jig 116
 Drilling Machines 138 & 145
 Drill Press Vice 77
 Drill Sets 317
 Drillsaw 195
 Drum Sanding Kit 176
 Dry Wipe Marker 313
 Drystone Grinder 142
 Duck Oil 170 & 235
 Duo Cast Acrylic 14
 Duplicating Paper 308
 Duraglit 231
 Dust Extractors 145 & 149
 DVD Storage 352-353



Ear Defenders 169
 Earphones 252
 Easy Flo Flux / Solder 36
 Edge Cramps 74-75
 Education Meters 284-286
 Elastic Bands 165
 Electric Drills 132-133
 Electrician Screwdriver 61 & 80
 Electrician's Tool Kit 80
 Electronic Service Aids 290-291
 Electronic Template 297
 Ellipse Template 297-298
 Elliptical Domes 25
 Emery Cloth/Rolls 172
 Enamel Paint 224
 Enamelled Wire 329
 Enamelling Equipment 326-328

Alphabetical Index

J

Jackey Keys 84
 Jack-in-the-box Spring 322
 Janitol 170
 Jenny Calipers 103
 Jewellers Hammers 98
 Jewellers Screwdrivers 60
 Jewellers Snips 85
 Jewellery Catches 212
 Jewellery Findings 330-331
 Jigsaw Blades 50
 Jigsaws 136
 Jizer 170
 Jobbers Drills 190
 Jointing Screws 214
 Jubilee Clips 212 & 341
 Jumper Links/Protoblocs 262 & 264
 Junior/Blades 42 & 52
 Junior Hacksaw 42-43 & 57

K

Keypad 250
 Key Rings 210
 Kiln 326
 Knives/Mark/Putty 90-91 & 93
 K & M 90
 Stanley 91
 Knobs 213
 Knobs/Control 251
 Knotting 229
 Knurling Tools 204

L

Lacquers 230 & 350
 Ladle Handles 131
 Ladles 131
 Lamp Holders/Lamps 259
 Lamps 259
 Lancashire Hand Vice 76
 Lathe Toolholders 202-203 & 206
 Lathe Tools 206 & 234
 Lazy Tong Riveter 222
 LCD Display 261
 LCD Vernier Calipers 106
 Leads Clutch/Compass 305 & 311
 Lead-Self Adhesive 350
 Leather Aprons & Gloves 169
 Leather Thonging 327
 LED Display 260-261
 LED's 258
 Leggings 169
 Lego Technical 354-355
 LES Lampholders 259
 Letter/Number Sets 73
 Moulders (Foundry) 131
 Levels 102
 Liberon Woodcare Products 232-233
 Light Activated Switch 262
 Light Boxes 269

Light Dependent Resistors 262
 Light Gathering Rod & Sheet 13 & 23
 Lino Blocks 225
 Linseed Oil 230 & 233
 Lip & Spur Drills 198
 Liquid Solvent Cement 19, 28-29
 Locks 211
 Logic Probes 285
 Log Saw/Blades 43 & 52
 Loudspeakers 252
 Low Temperature Casting Unit 157

M

Machine Centres 203
 Machine Knives 53
 Machine Screws 186 & 189
 Machine Tools 159-164
 Machine Vice 76
 Machining Centre 203
 Magnets 318-319
 Magnetic Bases 104 & 107
 Magnetic Catches 211
 Magnetic Quick Clamps 318
 Magnetic Rubber Strip 319
 Magnetic Sheet 319
 Mains Testing Screwdriver 60
 Mallets/Joiners 57 & 99
 Carvers 66
 Rawhide/Tinmans 98
 Rubber 317
 Mandrel Cone 127
 Mansfield Sand 129
 Marbles 325
 Marking Blue 234
 Marking Gauges/Knife 93
 Marvin Medium 227
 Masking Film 307
 Masking Tape 182
 Masonry Drills 192
 Masonry Nails 189 & 208
 Matchsticks 38
 Matrix Board 265
 Mats Cutting 294
 MDF Sealer 230
 MDF Timber 39
 MDF Wheels 344
 Mechanics Vices 76
 Media Storage 352-353
 Melting Pots 127
 Merlin 227
 MES Lamps/ HOLDERS 259
 Metal Lacquer 230
 Metal Polish 231 & 234
 Metallic Paints 224 & 226
 Metals 30-35
 Methylated Spirits 229
 Micrometers 105, 107 & 317
 Microphone Inserts 252
 Micro Switches 250
 Mild Steel Bar 33 & 316
 Mild Steel Sheet 30
 Miniature Gears 345-348
 Miniature Lamps 259
 Miniature Pliers 57 & 80
 Mini bender 109
 Mini Hydraulics 342-343
 Mini Irons 274
 Mini Saw 43
 Mirado Pencils 310
 Mirror Corners 211
 Mirror Inspection 115
 Mirror Acrylic 14 & 16
 Mirror Adhesive 29
 Mirror Plates 213
 Mirror Screws 209
 Mirrored Polystyrene 17
 Mitre Blocks/Box 57 & 114
 Mitre Cramp 74
 Mitre Saws 46-48 & 114
 Mitre Squares 108
 Mitutoyo Tools 104-106
 Mixing Pallets/Pots 228
 Model Builders Drill 272
 Modelling Materials 322-325
 Modesty Blocks 212
 Mole Tools (Vise Grip) 81
 Monodex Cutters 85
 Mops/Polishing 234
 Morse Taper Drills 191
 Morse Taper Sleeves 198
 Mortice Chisels 65 & 196
 Mortice Gauges 93
 Mortice Machine Bits 196
 Mortice Latches 211
 Motor Mounting Clips 279
 Motor Pulley 279
 Motors 278-279
 Moulding Tools 131
 Boxes 131
 Moulds/Candlemaking 334-335
 Mounted Stones 177
 Mounting Board 303
 Multi Ratio Gearbox 279
 Multimeters 285-286

N

Nail Drivers 62
 Nail Gun 110
 Nail Punches 73
 Nails 110 & 208
 Natural Rubber 158
 Nylon 175
 Necklet & Bracelet Fit 330-331
 Needle Files 55
 Needles 19 & 28-29
 Neon Indicators 259
 Ni-MH Batteries 280
 Nippy/Machine Vice 76
 No More Nails 229
 Nobex Saws 46-47

Alphabetical Index

Number Punches 73
Nuts 187-189 & 216
Nylock Nuts 187
Nylon Brushes 337
Nylon Nuts 188
Nylon Rod 22
Nylon Studding 187
Nylon Washers 188

O

O-Ring Assortment 116
Odd-leg Calipers 103
OHP Pens/Film 309 & 314
Oilcans 235
Oil Danish/Teak 230 & 233
Oil Machine/Soluble 235
Oilstones & Boxes 174
Optoelectronics 258-262
Opto Switch 262
Orbital Sander 136
Sheets 171
Oven/Dip Coating 154-155

P

Padlocks 211
Padsaw/Blades 43 & 52
Paints 21 & 224-227
Paints for Plastics 21
Palettes Mixing 228
Panel Box (Storage) 167
Panel Clips/Indicators 258-259
Panel Pins 208
Panel Saws 42-45
Paper 307-309
Paper Clips 306
Paper Drill 215
Paper Fasteners 306
Paper Glue 181
Paper Rolls 170
Paper Sticks 322
Paper Towels 170
Paper Trimmers 296 & 302
Paper Wipes 170
Paraffin Wax 230 & 332
Parting Powder 129
Parting Tools/Toolholders 202-206
PCB Access 270-273
PCB Drills/Stands 270 & 272
PCB Equipment 263-269
PCB Shears 292
Pearlescent Acrylic Sheet 14 & 16
Pencils 310-311
Pencil/Sharpeners 306
Pen Kit 316
Pens 23 & 313-316
Perforator 297
Permanent Markers 23 & 313
Perspex Files 207
Perspex Hole Cutters 207
Perspex Sheet 11-17

Petrabond Sand 129
Petroleum Jelly 332
Pewter 33
Photo Etch Board 264
Piano Hinge 210
Piano Wire 35
Picture Hooks 214
Picture Wire 213
Piercing Saw 43
Blades 52
Piezo Buzzer/Transducer 253
Pincers 79
Pin Chucks 221
Pin Vices 221
Pins Drawing 306
Panel 208
Pipe Cleaners 325
Plane Irons 125
Spares 118-122
Planer Knives 53
Planers 135
Planes 86-89, 92 & 96
Planishing Hammers 98
Planishing Stakes 128-129
Plaster of Paris/Candlemaking 334
Plastic Rivets 223
Plastics Engraving 25 & 351
Plastics Paints 21, 23 & 350
Plastic Recycling System 157
Plastics/Sheets 11-21
Equipment 150-157
Plastic Shelf Studs 212
Plastic Tube 22-26 & 341
Pliers 57 & 78-81
Plug Cutters 194 & 196
Plugging Chisels 69
Plugs 239-240 & 288
Plug Spanners 83
Plumbers Solder 36
Plywood 41
Pneumatic 341-343
Pointing Trowel 113
Polifix Block 264
Polish 29, 230, 232-233
Polishing Compound 29 & 234
Mops 234
Polycarbonate Sheet 17
Polyethylene 158
Polyfilla 229
Polymorph 322
Polypropylene 17 & 158
Polypropylene Hinges 29
Polypropylene Tray 264
Polystik PVA 180
Polystyrene Cement 19 & 180
Polystyrene Cutter 153
Polystyrene Vacuum Form 18
Polythene End Fittings 30
Polyurethane Varnish 231
Portable A4 Trimmer 296

Post & Screw Rivets 223
Potentiometer/Kits 244-247
Potting Boxes 290
Powder Colour 226
Powder Plastic 155
Power Supplies 270 & 282-284
Power Bits 60 & 62
Power Tools/Hand 132-136
PPC-2 19 & 28-29
Preset Potentiometers 244
Pritt Pads 182
Pritt Stick 181
Probes 285
Profile Gauge 95
Profile Rasps 178
Profile Router 156
Propellant 338
Propellers 346 & 348
Protective Creams 170
Protoblocs 265-266
Protractors 299 & 301
PTFE Tape 182
Pulleys 346-347
Pumice Powder 175
Punch & Eyeletter 294
Punch Revolving 79
Punch Set 205
Punches/Centre/Number 73
Punches/Nail/Wad 73
Punches/Q-Max (Metal) 72
Push On Fixes 321 & 344
PVA 180-181
Putty Knives 93
PVC Rolls 19
PVC Sheets 18-19
PVC Adhesive 19 & 180
Pyrography Kit 275 & 349

R

Racks 345 & 348
Radial Electrolytic Capacitor 243/4
Radio/Model Makers S'drivers 60
Radius Gauges 95
Rafters & Try square 108
Rainbow Copier Paper 308
Rapid Assembly Post & Screw 223
Rasps 55 & 178
Ratchet Rivets 223
Ratchet Screwdrivers 62-63
Rawhide Mallets 98
RCD Power Safety Cut-out 292
Ready Mixed Poster Paint 225
Reamers 198
Rechargeable Batteries 280
Rectifiers 256-257
Reduced Shank Drills 191
Reed Switch 248
Relays 254-255
Repair Metal 229
Repair Washers 187

Alphabetical Index

- Resin W 180
- Resistance Substitution Box 271
- Resistors 245-247
- Respirators 169
- Ribbon Cable 237
- Rivets/Riveters 222-223
- Robe Hooks 214
- Rollers (Ink) 225
- Rosehead CSK Bits 194-195
- Rotary Drum Sander 176
- Rotary File/Rasps 178
- Rotary Switches 250
- Rotary Trimmer 296
- Rotating Centres 203
- Rotatrim Cutter 302
- Rouge Compound 234
- Routers Power 134
- Router Bits 116, 178, & 200-201
- Router Cutter Kit 178
- Rubber 158
- Rubber Bands 165
- Rubber Gloves 169
- Rubbers 306
- Rules 57, 100-101, 301 & 309
- Rust Remover 229
- S**
- Sabre Bandsaw 143
- Safety Equipment 168-169
- Safety Rule 100
- Salamander/Crucibles 129
- Sandbags 127
- Sand Casting 129
- Sanders M/c 136-137 & 139
- Sander Hand 57
- Sanding Belts/Disks 172-173
- Sanding Blocks 114 & 176
- Sanding Mops 176
- Sanding Sealer 230-231 & 233
- Sash Cramps 74
- Saw Blades 52
- Sawing Aids 115
- Saws 42-49 & 57
- Saw Tooth Bits 196
- Files 55
- Sharpening/Setter 93
- Saw Sharpening Service 125
- Scales Portable Digital 287
- Scissors 295-296
- Screwdrivers 209
- Screw Cutting/Thread Gauge 95
- Screwdrivers 58-63 & 324
- Screw Rings 209
- Screwed Rod 187
- Screw Extractors 198
- Screw Eyes 214
- Screwpitch Gauge 95
- Screws 184-189 & 216
- Scribers 103
- Scrolling Tools 127
- Scroll Irons 127
- Scroll Saw 137
- Scroll Saw Blades 144
- Sculpture Tools 66
- Security Pens 315
- Self/Tap Screws 187
- Sellotape 182
- Semiconductors 256 & 257
- Seno Etching 268
- Service Case 167
- Set Squares 299, 301 & 309
- Shaper Saw Blades 311
- Shapertools 205
- Sharpening Stone Set 174
- Sharpening Tools 93
- Mortice Chisel 196
- Shaver Tool 96
- Shears 139-140 & 292
- Sheet/Aluminium 30
- Brass/Copper/Tinplate 30
- Mild Steel & Stainless Steel 30
- Perspex 11-17
- Sheet & Tube Drills 194
- Sieves Enameling 328
- Foundry 131
- Signal Cables 237
- Signal Diodes 256
- Silicon Carbide Paper 171
- Silicon Release Spray 18
- Silicon Stones Kit 178
- Silver Solder 36
- Silver Steel 33
- Skeleton Gun 29
- Sketch Paper 307
- Sleeves Morse Taper 198
- Slide Switches 248 & 249
- Sliding Bevels 108
- Slipstones 174
- Slot Drills 199
- Snap-Off Knives 90
- Snips/Jewellers 85
- Tinmans 85
- Soap Buffing 234
- Soap Cleansing 170
- Socket Set 317
- Sockets/Connect Elec 239 & 240
- Sockets PCB 266
- Solar Energy Kit 292
- Solar Motors 278
- Solder Plumbers/Silver/Tinmans 36
- Soldering Irons 131, 274 & 276
- Solder Remover/Pot 277
- Solvent Cement 19 & 29
- Pack 28
- Sorby Chisels 170
- Spanners 82, 83 & 317
- Spare 117-125
- Sparkle Acrylic 14
- Speaker Wire 237
- Special Offers 116 & 317
- Spectacles Safety 168
- Speed Cramps 74-75
- Spirit Level 102
- Split Key Rings 210
- Split Pins 213
- Spokeshaves 86-87
- Spokeshaves Spares 119
- Spray Mount Adhesive 181
- Spray Paints 21 & 224
- Spring Assortment 116
- Springs 321-322
- Spring Clips 210
- Sprockets 346
- Squares 57 & 108
- Stackable Leads/Plugs 239-240
- Stackable Storage Boxes 312
- Stain Wood/Varnish 230
- Stained Glass 275 & 350
- Stainless Steel Sheet 30
- Stainless Steel Wire 329
- Stakes 129
- Stake Key & Holder 127
- Standoffs 15
- Stanley Knives 90-91
- Staple Guns 110-111
- Staple Lifter 111
- Staples 110-111
- Starlocks 344
- Stearate Paper 171
- Steel Tube 30-31
- Steel Wool 175
- Stencils & Templates 296-298
- Stencils Folio 316
- Sticky Velcro 182
- Stilsons 81
- Stockinette Roll 169
- Stopwatch 287
- Storage Bins/Cabinets 164, 167 & 268
- Strapwrench 81
- String & Twine 113
- Stripboard/Tools 265
- Strip Heaters Hot Wire 152
- Strip Lead 350
- Stripping Knives 93
- Strypit Paint Remover 229
- Studding (Screwed Rod) 187
- Styrofoam & Adhesive 21
- Sugar Paper 308
- Supa Roller Rule 309
- Supatops 209
- Superglue 180
- Surface Gauges 95
- Surface Screw Cups 209
- Surform Tools/Blades 96 & 97
- Swage Block 127
- Swansdown Mops 234
- Swarfega 170
- Switches 248-250 & 262
- Syringes 341

Alphabetical Index

T

T Bar Cramp 74
 T Handle Keys 84
 Table Vice 76
 Tacks 208
 Tacker 110-111
 Tank & Washer Cutter 192
 Tape & Tape Dispensers 182
 Tapes/Rules 101
 Tapping Compound(Trefolex) 235
 Taps/Dies 218-220
 Tapwrench 221
 TCT Lathe Tools 206
 TCT Saw Blades 53
 Teak Oil 230 & 233
 Tee Hinges 210
 Tee Squares 299
 Templates/Stencils 296-298
 Tenacity Flux 36
 Tensol Cements 29
 Terminal Blocks 214
 Terminal Pins 265
 Terminals 239
 Terry Clips (Spring Clips) 210
 Test Equipment 284-287
 Test Leads 240
 Tetron 229
 Thermistors 247
 Thermometer/Candlemaking 333
 Thonging Leather 327
 Three in One Oil 235
 Thyristors 257
 Tile Adhesive 180
 Tile Drill 192
 Tile Grout 229
 Timber 37-40
 Timber Fixings 216
 Time Bond 180
 Timer 287 & 292
 Tinmans/Mallets 98
 Punches 73
 Solder 36
 Stakes 129
 Tools 127
 Tinplate 30
 Tin Plating Crystals 263
 Tinsnips 85
 Toggle Switches 248
 Tongs Blacksmiths 127
 Toolbits 202-206 & 234
 Toolboxes 166
 Toolcare Products 93
 Toolholders 202-205
 Toolmaker Clamps 114
 Tormex 48
 Torx Screwdrivers 62
 Tracing Paper 307
 Transducers 252-253
 Transformers 288-289

Transistors 292
 Transistor Oscillator Buzzer 252
 Transparent Film 350
 Lacquer/Polish 231 & 350
 Trefolex 235
 Triacs 257
 Trimmer 296 & 302
 Tripoli Compound 234
 Trowels 113
 Tube Acrylic 22, 24-25 & 28
 ERW Steel 30-31
 Fittings 24-25 & 30
 Tube Benders 109
 Tube Cutters 81
 Tubing Vinyl 341
 Tuf-Kut Snips 295
 Tumbler Switch 250
 Tung Oil 233
 Turning Tools/Metal 203-206 & 234
 Lathe 202-206 & 234
 Turning Tools/wood 67-68
 Turps Sub & Turpentine 229
 Tweezers 275 & 295
 Twine/String 113
 Twist Drills 190-192, 196 & 317

U

UHU All Purpose Glue 181
 Ultra Violet Exposure Units 268-269
 Ultrasonic Measurer 101
 Uni Posca Poster Paint Markers 23
 Unifilla (Polyfilla) 229
 Unigrip Vice 76
 Universal Solvent 263
 Unlined Chipboard 308
 Upholstery Nails 208

V

Vacuum Exposure Unit 169
 Vacuum Forming Sheets 18-19
 Machines 150-153
 Valve Grinding Compound 175
 Varnish & Stain 230-231 & 317
 Vee Belts 165
 Vee Blocks 95 & 107
 Veneer Pins 208
 Vernier Calipers 104-107
 Vice Clamp 56 & 77
 Vice Grips 56
 Vices 76-77
 Vice Spares 117
 Vices Pin 221
 Vinyl Roll/Sheet 17
 Vinyl Tape 182
 Voltage Regulators 257
 Voltmeter 284
 Vonax Buffing Soap 29 & 234

W

Wad Punches 73
 Wall Mounting Panel Sets 15
 Washers 186-189
 Water Colour Markers 312
 Water Troughs 131
 Wax Dye/Candlemaking 332
 Waxes 230, 232 & 332
 Wax Flower Making Kit 335
 WD40 235
 Web Cramps 75
 Web Stretchers 114
 Wedges Hammer 56
 Welders/Wire 36 & 144
 Welding Clamps 81
 Goggles 169
 Rods 36
 Wire 144
 Wet & Dry Paper 171
 Wetstone Grinder 142
 Wheel Dressers Grinding 175
 Wheels & Push on Fises 344
 Whiteboard Instruments 301
 White Polish/Compound 231-234
 White Spirit 229
 Wicks/Candlemaking 333
 Wing Nuts 188-189
 Wipes 170 & 290
 Wire 30, 236-237 & 329
 Wire Brushes 336-337
 Wire Brushes PCB 273
 Wire Electrical 236-238
 Wire Gauge 95
 Wire Strippers 79-80, 92 & 277
 Wire Wheels 337
 Wire Wool 175
 Wood Countersinks 195
 Wood Filler 229
 Wood Dye 230-232
 Woodboring Machine Bits 194 & 196
 Woodburning Kits 275
 Wooden Balls 325
 Woodsaws 42-45
 Woodscrews 184-185
 Woodstains 230
 Woodturning Accessories 71
 Woodturning Tools 67-68
 Workstation/Work Bench 155 & 300
 Worm Gears 347
 Wrecking Bars 69
 Wrenches 81
 Tap Wrench 221
 Wubastuff/Candlemaking 334

Z

Zener Diodes 256
 Zinc Carbon Batteries 280
 Zote Foam 322

Plastic / Acrylic Sheet

Cast Clear Acrylic

Sheet size 1000mm x 600mm

Code	Description	Price
Thickness: 3mm		
1000600-3	Clear glass type each	£11.32
Clear-10-3	Pack of 10 sheets	£109.90
Thickness: 4mm		
1000600-4	Clear glass type each	£15.75
Clear-04-5	Pack of 5 sheets	£76.40
Thickness: 5mm		
1000600-5	Clear glass type each	£18.84
Clear-05-5	Pack of 5 sheets	£91.38
Thickness: 8mm		
1000600-8	Clear glass type each	£30.15
Thickness: 10mm		
1000600-10	Clear glass type each	£37.65
Thickness: 12mm		
1000600-12	Clear glass type each	£45.22

Cast Clear Acrylic

Sheet size 1010mm x 505mm

Code	Description	Price
Thickness: 3mm		
1000505-3	Clear glass type each	£10.03
ClearS-5-3	Pack of 5 sheets	£48.42
Thickness: 4mm		
1000505-4	Clear glass type each	£13.12
ClearS-5-4	Pack of 5 sheets	£63.64
Thickness: 5mm		
1000505-5	Clear glass type each	£15.70
ClearS-5-5	Pack of 5 sheets	£76.15
Thickness: 8mm		
1000505-8	Clear glass type each	£25.12
Thickness: 10mm		
1000505-10	Clear glass type each	£31.37
Thickness: 12mm		
1000505-12	Clear glass type each	£37.68

Extruded Clear Acrylic

Sheet size 1200mm x 600mm

Code	Description	Price
Thickness: 2mm		
1200600-2	Clear as glass each	£8.96
Clear-10-2	Pack of 10 sheets	£85.10
Thickness: 3mm		
1200600-3	Clear as glass each	£13.46
Notice-10-3	Pack of 10 sheets	£126.60

Extruded Clear Acrylic

Sheet size 2440mm x 1220mm

Code	Description	Price
Thickness: 3mm		
2440122-3	Clear as glass each	£53.85
Notice-05-3	Pack of 5 sheets	£258.45
Thickness 4mm		
2440122-4	Clear as glass each	£71.80
Thickness: 5mm		
2440122-5	Clear as glass each	£79.10

Silica Glass Acrylic

Clear with green edge like glass.

Sheet size 1000mm x 500mm

Code	Description	Price
Thickness: 3mm		
1000500-3	Clear green edge each	£10.35
Gedge-10-3	Pack of 10	£98.33
Thickness: 5mm		
1000500-5	Clear green edge each	£17.25
Gedge-05-5	Pack of 5	£81.94
Thickness: 10mm		
1000500-10	Clear green edge each	£34.50
Thickness: 12mm		
1000500-12	Clear green edge each	£36.60
Larger sizes available on request		

Cut to size service available

Light Box Acrylic

Sheet size 1000mm x 600mm

Code	Description	Price
Thickness: 3mm		
030-3	Opal translucent each	£11.86
Thickness: 5mm		
030-5	Opal translucent each	£19.76

CAST Acrylic can be laser cut

Plastic / Acrylic Sheet

Cast Opaque Coloured Sheet

Sheet size 1000mm x 600mm x 3mm

Code	Description	Price
1000433-3	Mid Red	£12.32
1000440-3	Light Red	£12.32
1000229-3	Mid Yellow	£12.32
1000250-3	Light Yellow	£12.32
1000650-3	Mid Green	£12.32
1000635-3	Light Green	£12.32
1000750-3	Mid Blue	£12.32
1000727-3	Light Blue	£12.32
1000363-3	Orange	£12.32
1000962-3	Black	£12.32
1000069-3	White	£12.32
1000543-3	Brown	£12.32
1000886-3	Purple	£12.32
1000998-3	Grey	£12.32
1000604-3	Pink	£12.32
1000109-3	Cream	£12.32
OPAQUE-10-3	Pack of 10 (Choose your own colours)	£119.80
OPAQUE-16-3	Pack of 16 (One of each of the above colours)	£187.27

Sheet Size 1000mm x 600mm x 5mm

Code	Description	Price
600-5	Red	£20.52
601-5	Yellow	£20.52
602-5	Green	£20.52
603-5	Blue	£20.52
604-5	Orange	£20.52
605-5	Black	£20.52
606-5	White	£20.52
607-5	Purple	£20.52
OPAQUE-05-5	Pack of 5 (Choose your own colours)	£99.85
OPAQUE-08-5	Pack of 8 (One each of the above colours)	£155.96

CAST Acrylic can be laser cut

Cast Opaque Coloured Sheet

Sheet size 1010mm x 505mm x 3mm

Code	Description	Price
1010500-3	Red	£10.26
1010501-3	Yellow	£10.26
1010502-3	Green	£10.26
1010503-3	Blue	£10.26
1010504-3	Orange	£10.26
1010505-3	Black	£10.26
1010506-3	White	£10.26
1010507-3	Purple	£10.26
OP1010-8-3	Pack of 8 (One each of the above)	£78.80

Sheet size 1010mm x 505mm x 5mm

Code	Description	Price
1010500-5	Red	£17.10
1010501-5	Yellow	£17.10
1010502-5	Green	£17.10
1010503-5	Blue	£17.10
1010504-5	Orange	£17.10
1010505-5	Black	£17.10
1010506-5	White	£17.10
1010507-5	Purple	£17.10
OP1010-8-5	Pack of 8 (One each of the above)	£131.33

Sheet size 600mm x 400mm x 3mm

Code	Description	Price
600401L-3	Red	£4.92
600402L-3	Yellow	£4.92
600403L-3	Green	£4.92
600404L-3	Blue	£4.92
600405L-3	Orange	£4.92
600406L-3	Black	£4.92
600407L-3	White	£4.92
600408L-3	Purple	£4.92
OP600L-10-3	Pack of 10 (Choose your own colours)	£46.40

Plastic / Acrylic Sheet

Cast Coloured Transparent

Sheet size 1000mm x 600mm x 3mm

Code	Description	Price
4401-3	Red	£12.40
2202-3	Yellow	£12.40
6600-3	Green	£12.40
300-3	Amber	£12.40
7703-3	Blue	£12.40
TRANSP-05-3	Pack of 5 (One each of above)	£60.14
TRANSP-10-3	Pack of 10 (Choose your own from above)	£118.30

Sheet size 1000mm x 500mm x 5mm

Code	Description	Price
4401-5	Red	£17.70
2202-5	Yellow	£17.70
6600-5	Green	£17.70
300-5	Amber	£17.70
7703-5	Blue	£17.70
TRANSP-05-5	Pack of 5 (One each of above)	£85.85

Anti-Reflective Clear Sheet

Replace the glass. Suitable for picture frames. Stop that reflected light spoiling your view.

Code	Description	Price
ARCL12002	1220 x 600 x 2mm	£14.40
ARCL12003	1220 x 600 x 3mm	£21.60
ARCL10002	1000 x 600 x 2mm	£12.08
ARCL10003	1000 x 600 x 3mm	£18.00

Smoked Transparent Acrylic

Sheet size 1000mm x 600mm

Code	Description	Price
Thickness: 3mm		
914-3	Light smoked each	£12.00
Smoke-10-3	Pack of 10 sheets	£114.00
Thickness: 5mm		
914-5	Light smoked each	£20.50
Smoke-05-5	Pack of 5 sheets	£97.38

Cast Fluorescent Transparent

Sheet size 1000mm x 500mm x 3mm

Code	Description	Price
2219-3	Yellow	£12.81
4412-3	Red	£12.81
5010-3	Blue	£12.81
6619-3	Green	£12.81
8812-3	Orange	£12.81
FLOURS-10-3	Pack of 10 (Your Choice)	£122.50

Sheet size 1000mm x 500mm x 5mm

Code	Description	Price
2219-5	Yellow	£21.38
4412-5	Red	£21.38
5010-5	Blue	£21.38
6619-5	Green	£21.38
8812-5	Orange	£21.38
FLOURS-05-5	Pack of 5 (one each of above)	£103.55

Cast Frosted Acrylic

Transparent but like frosted glass.

Sheet size 1000mm x 500mm

Code	Description	Price
Frost500-3	Clear Frosted 3mm	£12.24
Frost500-5	Clear Frosted 5mm	£20.40
Frost7T69	Electric Blue 3mm	£14.64
Frost7T38	Aurora Violet 3mm	£14.64
Frost2T07	Citrus Yellow 3mm	£14.64
Frost3T17	Mandarin Orange 3mm	£14.64
Frost4T46	Blush Pink 3mm	£14.64
Frost4T50	Chilli Red 3mm	£14.64
Frost6T59	Emerald green 3mm	£14.64

Cut to size service available

Cast acrylic is also available in sheet sizes of 3050 x 2030 mm & 2030 x 1520 mm.

We offer a cut to size service for larger sizes than those listed. Please allow us to quote for your additional requirements. Please allow for a saw cut of 5mm when sizing.

NEW Plastic / Acrylic Sheet

Cast Opaque Coloured Sheet

Sheet size 600mm x 300mm x 3mm

Code	Description	Price
600301-3	Red	£4.30
600302-3	Yellow	£4.30
600303-3	Green	£4.30
600304-3	Blue	£4.30
600305-3	Black	£4.30
600306-3	White	£4.30
600307-3	Orange	£4.30
600308-3	Purple	£4.30
OP600-8-3	Pack of 8 (one each of the above)	£33.40

Cast Clear Sheet

Sheet size 600mm x 300mm x 3mm

Code	Description	Price
600300-10	Clear Pack of 10	£34.50

Cast Fluoeedge Fluorescent Sheet

Sheet size 1000mm x 500mm x 5mm

Code	Description	Price
FF1500-5	Fiery Orange	£22.77
FF1501-5	Shocking Pink	£22.77
FF1502-5	Banana Yellow	£22.77
FF1503-5	Lime Green	£22.77
FF1504-5	Electric Blue	£22.77
FF1505-5	Wildflower Violet	£22.77
FF150-6-5	Pack of 6 (one each of the above)	£131.16

Cast Sparkle Coloured Sheet

Sheet size 1000mm x 500mm x 5mm

Code	Description	Price
SPK-4SPO	Scintillating Red	£22.63
SPK-6SPO	Enchanting Green	£22.63
SPK-7SPO	Glittering Blue	£22.63
SPK-8SPO	Gleaming Violet	£22.63
SPK-9SPO	Shimmering Black	£22.63

Cast Pearlescent Sheet

Formulated to provide a range of products all with a softy shimmering lustre.

Sheet size 1000mm x 500mm x 3mm

Code	Description	Price
CPS-1PY1	Pearl	£17.86
CPS-4PY5	Candy	£17.86
CPS-5PY0	Caramel Gold	£17.86
CPS-7PY3	Azure	£17.86
CPS-9PY2	Platinum	£17.86
CPS-PK5	Pack of 5 (one each of the above)	£86.62

XT Coloured Mirror Sheet

Sheet size 600mm x 600mm x 3mm

Code	Description	Price
M60600-3	Red	£20.62
M60601-3	Blue	£20.62
M60602-3	Purple	£20.62
M60603-3	Pink	£20.62
M60604-3	Green	£20.62
M60605-3	Gold	£20.62

Cast Perspex Duo Cast Sheet

Created for flat engraving applications. Duo is a rich, solid black sheet incorporating an inbuilt layer of either Gold or Silver, allowing the black to show through when engraved.

Sheet size 2030mm x 1220mm x 3mm

Can be cut to your specification. Please advise what size you require. Allow 5mm for saw cuts.

Code	Description	Price
PDC-5YY9	Gold	£74.66
PDC-9YY1	Silver	£74.60

Xerapol Plastic Polish

Prefect for removing scratches from Perspex and Acrylic surfaces.

Code	Description	Price
XPP-296	50gm Polish	£15.80

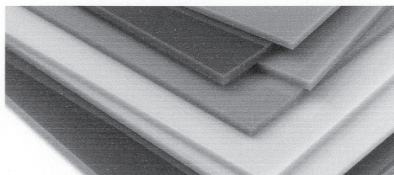
Pastel Acrylic Sheets and Wall Mounting Standoffs

Cast Sweet Pastel Acrylic Sheet

New sweet pastel shade of cast acrylic sheets.

Sheet size 1010mm x 505mm x 3mm

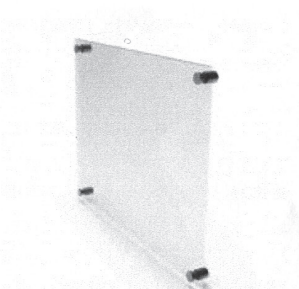
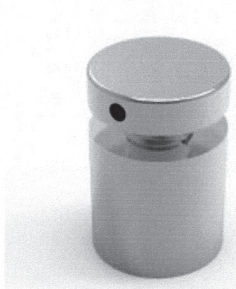
Code	Colour	Price
SA7563	Sour Grape	£15.20
SA4274	Raspberry Sherbet	£15.20
SA3143	Orange Fizz	£15.20
SA2170	Lemon Bonbon	£15.20
SA6382	Spearmint Green	£15.20
SA7489	Candy Floss Blue	£15.20
SA7490	Bubblegum Blue	£15.20
SA7562	Parma Violet	£15.20
SPAST8	Pack of 8 (1 of each colour)	£115.52



Standoffs Satin Silver

High quality wallmount sign / art work supports. Available in satin silver finish

Code	Size	Diameter	Capacity	Clearance Hole	Price each
SSS1313	13x13mm	13mm	0-5mm	8mm	£1.17
SSS1319	13x19mm	13mm	0-10mm	8mm	£1.56
SSS1919	19x19mm	19mm	0-10mm	10mm	£2.13
SSS1925	19x25mm	19mm	0-15mm	10mm	£2.35



Wall Mounting Panel Sets

We can provide wall mount panel sets with suitable standoffs to your specific requirements.

For example: 2 predrilled clear Acrylic sheets A3 size (297x420mm) 3mm thick together with 4 SSS1925 Standoffs would cost £39.60.

Please allow us to quote for your exact requirements.



Plastic / Acrylic Sheet

Value Packs

Cast Opaque Coloured

Sheet size 1000mm x 600mm x 3mm

Code	Description	Price
Value-7	Pack of 7 sheets. One each of Red - Black - Orange - Blue White - Yellow - Green	£63.52

Mixed Acrylic Off-cuts

Code	Description	Price
Off-cut-10	10 sheets coloured 1000 x 600 x 3mm or smaller pro rata	£85.69

The above off-cut pack is sold on the understanding that the contents will consist of a minimum of six different colours which may vary in shade and colour considerably.

Code	Description	Price
Clear-25Kg	Clear glass type	£70.00
Mixed-25Kg	Clear, coloured and others	£70.25
Coloured-25Kg	Coloured	£70.35
Mirror-10Kg	Silver Mirror 3	£44.00

The above off-cuts may contain a mixture of thickness 2mm to 12mm and random sheet sizes.

Clear Acrylic Block

Acrylic block is available in a variety of sheet sizes and thickness. The material in stock at any one time will vary. Please contact us regarding your particular requirements.

Sizes 8, 10, 12, 15, 20, 25, 30 & 50mm thick.

Material is priced by weight & cutting charge.

Code	Description	Price
BLOCK-10100	Per piece	£8.85 per Kg
OFFBLOCK	7kg pack Block offcuts	£45.36

To enable you to calculate the approximate cost length(mtrs) x width(mtrs) x thickness(mm) x 1.2 will give you the weight in Kg.

e.g. 100mm x 150mm x 50mm x 1.2 = 0.9Kg

e.g. 0.1m x 0.15m x 50mm x 1.2 = 0.9Kg

Please accept nearest to your requirements.

Acrylic Strips

1000mm x 120-150mm x 3mm Acrylic Strips.
Suitable for use on a variety of projects,
available in a wide range of colours.

Ideal for use as clock blanks.

Code	Description	Price
ACStripCol	Pack of 10 Strips 3mm Mixed colours	£26.75
ACStripCl	Pack of 10 Strips 3mm Clear	£23.82

Mirror Acrylic Sheet

Silver mirror acrylic sheet

Sheet size 480 x 400 x 3mm

Code	Description	Price
M400480-3	Single sheet	£6.68
MIRROR-20-3	Pack 20 sheets	£127.00

Sheet size 750 x 460 x 3mm

Code	Description	Price
M460750-3	Single sheet	£12.87
MIRROR-10-3	Pack 10 sheets	£122.30

Sheet size 1000 x 750 x 3mm

Code	Description	Price
M7501000-3	Single sheet	£24.60
MIRROR-05-3	Pack 5 sheets	£118.10

Sheet size 1200 x 600 x 3mm

Code	Description	Price
M1200600-3	Single sheet	£24.12

Sheet size 750 x 215 x 3mm

Code	Description	Price
MIRROR-S10	Pack of 10	£45.00

Sheet size 460 x 195 x 3mm

Code	Description	Price
MIRROR-S20	Pack of 20	£47.00

Special Offer Acrylic Sheet Packs

Limited stocks - sizes nominal

Code	Description	Price
AS-CO	10 sheets mixed colours 6 x 1000x500x3mm 4 x 1000x500x5mm	£50.00
AS-CL	10 clear sheets 1000x300x4/5mm	£40.00

Plastic sheet

Clear Polycarbonate

Sheet size: 2440 x 1220mm

Notice boards, safety screens etc.

Code	Description	Price
Poly2412-3	2440 x 1220 x 3mm	£71.94
Poly2412-4	2440 x 1220 x 4mm	£88.65
Poly2412-5	2440 x 1220 x 5mm	£104.26
Poly2412-6	2440 x 1220 x 6mm	£125.11

Quantity discounts / cut to size service available

Polypropylene

Translucent/Transparent Sheet

A series of translucent / transparent colour tinted sheets with pinseal finish suitable for folders and general design work can be vacuum formed. Sheet size 1000 x 650mm

Code	Description	Pack 10	
		0.5mm	0.8mm
PolyP122	Yellow	£30.16	£45.24
PolyP438	Purple	£30.21	£45.20
PolyP437	Pacific Blue	£30.20	£45.15
PolyP219	Orange	£30.18	£45.30
PolyP337	Raspberry	£30.22	£45.22
PolyP367	Red	£30.28	£45.29
PolyP334	Lilac	£30.34	£45.33
PolyP509	Green	£30.31	£45.28
PolyP413	Aqua Blue	£30.19	£45.21
PolyP415	Turquoise	£30.33	£45.35
PolyM10	Mixed Pack	£34.99	£49.99

Please order by code and thickness

Co-Polymer Polypropylene (PP)

Sheet size: 1000 x 500mm

Type	Thickness			
	1mm	1.5mm	2mm	3mm
Smooth				
Natural	£4.66	£7.00	£9.32	£13.99
Black	£4.70	£7.20	£9.45	£14.20
Price per sheet				

Acrylic Special Gold /Silver

Sheet size 1000 x 500mm

Code	Description	Price
ACRGold	Gold 3mm	£31.98
ACRSilver	Silver 3mm	£31.96

CAD/Cam Gloss Finish Vinyl

Self Adhesive 10 mtr rolls priced each

Code	Description	Width	
		305mm	610mm
Vyl 8329	White	£10.55	£20.66
Vyl 8389	Black	£10.55	£20.66
Vyl 8305	Yellow	£10.55	£20.66
Vyl 8339	Blue	£10.55	£20.66
Vyl 8349	Green	£10.55	£20.66
Vyl 8359	Red	£10.55	£20.66
Vyl 8369	Silver	£10.55	£20.66
Vyl 8379	Gold	£10.55	£20.66
Vyl 8310	Orange	£10.55	£20.66
Vyl 8319	Purple	£10.55	£20.66

Starter packs

Vyl305SP	10 Mtr each above	£98.95	
Vyl610SP	10 Mtr each above		£197.95

Application Tape		150mm	305mm
Vyl A150	90 Mtr roll	£16.69	
Vyl A305	90 Mtr roll		£29.55

ABS(Acrylonitrile Butadiene Styrene)

Sheet size: 620 x 490mm

Description	Price each			
	1mm	1.5mm	2mm	3mm
Pinseal				
Black	£2.98	£4.48	£6.08	£8.96
White	-	£4.70	£6.32	£9.40
Smooth				
Black	£3.05	£4.60	£6.45	£9.41
White	£3.06	£4.62	£6.46	£9.63

Larger sheets available.

High Impact Polystyrene Mirror

Sheet size: 1000 x 500mm

Type	Thickness		
	1mm	1.5mm	2mm
Silver on White	£13.18	£14.97	£16.65
Gold on Black	£14.26	£16.22	
Price per sheet			

Quantity discounts available

Vacuum Forming Sheets

All our sheets are First Quality Virgin Material

Prices quoted are for single sheets. You may order any combination of thickness and colour. To qualify for the discount rate the **TOTAL** number of sheets (Coloured and/or Clear) must exceed **50** or **100** respectively.

Coloured Material - High Impact Polystyrene (HIPs)

Available in 12 colours - Red - Orange - Yellow - Green - Blue - Black - White - Brown - Silver
Gold - Pink - Purple (Pink and Purple only available in 915 x 610mm)

5 Gauges / Thickness - 0.5mm - 1.0mm - 1.5mm - 2.0mm - 3.0mm

Material	Size	Price per sheet		
		1-49	50-99	100
Polystyrene	508 x 458 x 0.5mm	£1.12	£1.09	£1.07
Polystyrene	508 x 458 x 1.0mm	£1.47	£1.43	£1.39
Polystyrene	508 x 458 x 1.5mm	£2.20	£2.15	£2.10
Polystyrene	508 x 458 x 2.0mm	£2.79	£2.73	£2.65
Polystyrene	508 x 458 x 3.0mm	£3.97	£3.87	£3.78
Polystyrene	610 x 458 x 0.5mm	£1.35	£1.32	£1.29
Polystyrene	610 x 458 x 1.0mm	£1.76	£1.72	£1.68
Polystyrene	610 x 458 x 1.5mm	£2.64	£2.57	£2.50
Polystyrene	610 x 458 x 2.0mm	£3.34	£3.26	£3.19
Polystyrene	610 x 458 x 3.0mm	£4.75	£4.64	£4.52
Polystyrene	915 x 610 x 1.0mm	£3.53	£3.45	£3.36
Polystyrene	915 x 610 x 1.5mm	£5.27	£5.14	£5.01
Polystyrene	915 x 610 x 2.0mm	£6.64	£6.48	£6.32
Polystyrene	915 x 610 x 3.0mm	£9.52	£9.28	£9.04

Clear Material - PVC, Extruded Acrylic, PETG & Styrolux)

Material	Size	Price per sheet		
		1-49	50-99	100
PVC	533 x 525 x 0.4mm	£1.00	£0.95	£0.93
Extruded Acrylic	508 x 458 x 2.0mm	£4.21	£4.09	£4.00
Extruded Acrylic	508 x 458 x 3.0mm	£5.46	£5.29	£5.19
PVC	635 x 462 x 0.4mm	£1.25	£1.19	£1.15
PVC	635 x 462 x 0.6mm	£1.59	£1.53	£1.50
PVC	635 x 462 x 0.9mm	£2.38	£2.29	£2.25
Extruded Acrylic	610 x 458 x 2.0mm	£5.06	£4.91	£4.82
Extruded Acrylic	610 x 458 x 3.0mm	£6.53	£6.33	£6.21
PETG	915 x 610 x 1.0mm	£5.17	Silicon Release Spray 34034 400ml £9.08 ea	
PETG	915 x 610 x 1.5mm	£7.75		
Styrolux*	915 x 610 x 2.0mm	£10.08		
Styrolux*	915 x 610 x 3.0mm	£15.48		

* Styrolux is only available while stock last and will be replaced with PETG (Polyethylene Terephthalate) when our stocks are exhausted.

Vacuum Forming Sheets

Leather Grain Material

High Impact Polystyrene (HIP's)
Available in 2 colours - Brown - White
1.5mm thick
508 x 458 x 1.5mm **£2.68 per sheet**
610 x 458 x 1.5mm **£2.87 per sheet**

Foamed PVC

A Lightweight chemically expanded PVC sheet protected on one side by a polythene film. Its closed cell structure does not absorb moisture. Thermoformable a good model making material.

Available in 7 colours - 2 Gauges/Thickness
Colours: Black - White - Blue - Green - Red
Yellow - Grey

Gauges/Thickness 3mm & 5mm

Size	Price per sheet
1220mm x 610mm x 3mm	£7.59
1220mm x 610mm x 5mm	£11.52

Clear Thin Gauge PVC

Suitable for blister packing type design exercises. Available in 2 Gauges/Thickness: 0.14 & 0.22mm.

Suitable for Clarke or Formech machines.

Size	Per 100	Per 50
914 x 635 x 0.14mm	£79.95	
914 x 635 x 0.22mm	£112.60	
635 x 457 x 0.14mm	£47.64	£25.07
635 x 457 x 0.22mm	£74.85	£39.39

Clear Rigid PVC 50Kg Rolls

Virgin food grade, ideal for blisters, thermoforming and HF welding **£228.75 Roll**
Various 50Kg Rolls available to Order

Gauge mm	0.2	0.3	0.375	0.5	0.75
545 wide Mtr per/Roll	333	222	177	133	88
615 wide Mtr per/roll	294	196	157	118	79
660 wide Mtr per/roll	274	183	146	110	74

WSL Special

PVC Matt White
715 x 507 x 0.22mm
Pack 50 sheets **£20.00**

Flocked HIPs

High Impact Polystyrene sheet coated with a Maroon Nylon Flocking. The ideal material for display purposes and production of presentation holders/boxes.

610mm wide sheets 0.5mm thick sold by the metre **£3.95 Mtr**

Microwaveable Material

This polypropylene material is food grade suitable for baking trays that may be used in microwaves. Colours: Natural- Black- Brown

Size	Price per sheet
508 x 458 x 1.5mm	£3.47
610 x 458 x 1.5mm	£4.02

Adhesives

PPC-2 Liquid Solvent Cement 500ml tin. (Water like consistency). Suitable for several plastics i.e. acrylics, ABS, butyrate, HIPs etc. Very fast acting. Not suitable for gap filling. **£6.72**

3019 PVC Adhesive 250ml of clear adhesive suitable for PVC sheets. **£7.59**

Polystyrene Cement Tube of polystyrene cement. **£1.71**

Applicators

SA-NEW 30ml bottle complete with nozzle and optional steel outlet needle. **£2.81**

ALPHA25 25mm Pipette dispenser bottle suitable for Liquid Solvent Cement **£2.18**

SD-612 Solvent dispenser. For classroom and workshop safety, to keep accidental spillage to a minimum. **£19.75**

SS-10 Solvent syringe. Suitable for dispensing solvent cement from container to applicator or dispenser, or for use in its own right when used in conjunction with blunt needle. **£0.47**

NB-16 Special blunt needle for SS-10. **£0.31**

NB-16F Special fine needle for SS-10. **£0.32**

12AP-Kit Applicator kit suitable for Tensol No 12 and liquid solvent cement. **£3.24**

ASD125 125ml Dispenser bottle suitable for Solvent Cement or Tensol No 12 **£1.56**

Carriage Extra - Sizes Nominal

CORREX - Plastic Corrugated Board

Correx is a polypropylene/ethylene co-polymer board extruded with flutes.

It's tough it's rigid, it's light, it's colourful.

It can easily be cut and modelled into a variety of shapes and structures.

Cutting halfway through the flutes enables it to be formed into hinges, tubes, boxes, chutes, feedbins or conveyor belts.

Flutes run parallel to longest edge.

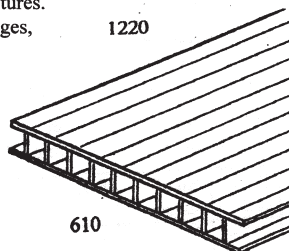
Colours: Black - Red - Blue - Green - Yellow - Orange

White - Brown - Silver Grey & Translucent

Thickness: 3 & 4mm

Size: 1220 x 610mm (48" x 24")

610 x 610mm (24" x 24")



Packs Available

Size: 48" x 24" (1220 x 610mm)		
3mm Thickness		
Code	Colour	Price pk 10
CORR300	Black	£25.68
CORR301	Red	£25.68
CORR302	Blue	£25.68
CORR303	Green	£25.68
CORR304	Yellow	£25.68
CORR305	Orange	£25.68
CORR306	White	£25.68
CORR307	Brown	£25.68
CORR308	Silver Grey	£25.68
CORR309	Translucent	£25.68
CORR310	Mixed 2 of each (20)	£48.89

Size: 48" x 24" (1220 x 610mm)		
4mm Thickness		
Code	Colour	Price pk 10
CORR400	Black	£28.86
CORR401	Red	£28.86
CORR402	Blue	£28.86
CORR403	Green	£28.86
CORR404	Yellow	£28.86
CORR405	Orange	£28.86
CORR406	White	£28.86
CORR407	Brown	£28.86
CORR408	Silver Grey	£28.86
CORR409	Translucent	£28.86
CORR410	Mixed 2 of each (20)	£54.96

Size: 24" x 24" (610 x 610mm)		
3mm Thickness		
Code	Colour	Price pk 10
CORR300A	Black	£14.35
CORR301A	Red	£14.35
CORR302A	Blue	£14.35
CORR303A	Green	£14.35
CORR304A	Yellow	£14.35
CORR305A	Orange	£14.35
CORR306A	White	£14.35
CORR307A	Brown	£14.35
CORR308A	Silver Grey	£14.35
CORR309A	Translucent	£14.35
CORR310A	Mixed 2 of each (20)	£27.32

Size: 24" x 24" (610 x 610mm)		
4mm Thickness		
Code	Colour	Price pk 10
CORR400A	Black	£15.93
CORR401A	Red	£15.93
CORR402A	Blue	£15.93
CORR403A	Green	£15.93
CORR404A	Yellow	£15.93
CORR405A	Orange	£15.93
CORR406A	White	£15.93
CORR407A	Brown	£15.93
CORR408A	Silver Grey	£15.93
CORR409A	Translucent	£15.93
CORR410A	Mixed 2 of each (20)	£30.24

Starter Packs

Code	Contents	Price per Pack
CORR4320	20 sheets 1220 x 610mm - 1 sheet each colour & thickness	£52.91
CORR4340	40 sheets 1220 x 610mm - 2 sheet each colour & thickness	£101.09

Plastics Materials

Styrofoam

An excellent fine grain rigid extruded polystyrene foam. Ideal for model making, craft and sculpture work. Can be cut with standard tools or hot wire, shaped with surform, sanded, glued and painted (see special plastic paints).

2 sheet sizes - 1200 x 580 & 2400 x 580mm

4 Thicknesses-25mm - 50mm - 75mm - 100mm

Code	No of sheets	Size	Price per pack
10274	16	2400x580x25mm	£199.77
10275	8	2400x580x50mm	£196.58
10276	5	2400x580x75mm	£179.99
10277	4	2400x580x100mm	£197.77
20274	16	1200x580x25mm	£104.88
20275	8	1200x580x50mm	£103.20
20276	5	1200x580x75mm	£101.29
20277	4	1200x580x100mm	£108.99

Mixed Packs	Contents Sheet Sizes	Price per pack
10278	4 x 2400 x 580 x 25mm 2 x 2400 x 580 x 50mm 1 x 2400 x 580 x 75mm 1 x 2400 x 580 x 100mm	£200.87
10279	8 x 2400 x 580 x 25mm 4 x 2400 x 580 x 50mm	£205.05
10280	4 x 2400 x 580 x 25mm 2 x 2400 x 580 x 50mm	£107.89
20278	4 x 1200 x 580 x 25mm 2 x 1200 x 580 x 50mm 1 x 1200 x 580 x 75mm 1 x 1200 x 580 x 100mm	£110.45
20279	8 x 1200 x 580 x 25mm 4 x 1200 x 580 x 50mm	£112.54
30280	4 x 1200 x 580 x 25mm 2 x 1200 x 580 x 50mm	£64.92

Craftfoam

Code	No of sheets	Size	Price per pack
16603	100	600x600x3mm	£58.45
16605	60	600x600x5mm	£58.45
16610	30	600x600x10mm	£58.45
16615	20	600x600x15mm	£58.45
16620	15	600x600x20mm	£58.45

Styrofoam Adhesive

Code	Size	Price
STA500	500ml	£5.90
STA5	5 Ltr	£30.69

Paints for Plastic

This range of aerosol sprays dry in approximately ten minutes to a smooth matt silk weatherproof finish. The fine colour mist adheres well to paper, cardboard, wood, PLASTIC, glass, stone and most natural materials. It is particularly effective on POLYSTYRENE and PLASTICS.

Matt Silk		Price 150ml	Fluorescent		Price 150ml	Metallic		Price 150ml
Code	Colour		Code	Colour		Code	Colour	
177870	Red	£5.65	177670	Yellow	£5.99	177640	Silver	£5.80
177830	Yellow	£5.65	177690	Blue	£5.99	177650	Gold	£5.80
177975	Green	£5.65	177700	Green	£5.99			
178044	Blue	£5.65	177680	Orange	£5.99			
177820	Black	£5.65						
177810	White	£5.65						
177940	Brown	£5.65						
177850	Orange	£5.65						

Sizes are Nominal Carriage Extra

Plastic / Acrylic Rod & Tube / Nylon Rod

Coloured Acrylic Rod

Available in metre lengths in seven colours and five diameters.

Red - Orange - Yellow - Green - Blue - Black White.

Code	Diameter	Price Metre
ACROD	5mm	£1.65
followed by	10mm	£3.07
Diameter	15mm	£5.54
and Colour	20mm	£12.28
	25mm	£15.76

Starter Pack - ACR21 **£95.81**

Contains 21 pieces of mixed diameters.

8 x 5mm / 6 x 10mm / 3 x 15mm / 2 x 20mm / 2 x 25mm.

Clear Acrylic Rod

Code: ACRODCL followed by diameter

Diameter	Price Metre	Diameter	Price Metre
2mm	£0.99	12mm	£3.80
3mm	£1.06	15mm	£5.38
4mm	£1.26	20mm	£8.52
5mm	£1.46	25mm	£13.23
6mm	£1.60	30mm	£19.11
7mm	£2.00	40mm	£33.90
8mm	£2.40	50mm	£52.61
10mm	£2.80		

30-50mm available in ½ metre lengths pro rata.

Starter Pack - ACR41 **£81.91**

Contains 41 pieces of mixed diameters.

5 x 2mm / 10 x 3mm / 10 x 5mm / 5 x 6mm / 5 x 10mm / 2 x 12mm / 2 x 15mm / 1 x 20mm / 1 x 25mm.

Nylon 66 Rod

Order Code NYROD followed by the diameter.

Sold in metre lengths available up three metre.

Dia	6mm	8mm	10mm	12mm	15mm
£ Per Mtr	0.87	1.29	1.82	2.45	3.45
Dia	20mm	25mm	30mm	40mm	50mm
£ Per Mtr	5.70	9.09	13.18	22.44	35.88

Starter Pack - NYR5 1/2 Mtr. each **£45.70**

Coloured Acrylic Tube

Available in metre lengths in seven colours and ten diameters.

Red - Orange - Yellow - Green - Blue - Black White.

Order Code ACTUBE followed by dia and colour.

Dia O/D	6mm	10mm	15mm	20mm
Per Mtr	£1.94	£3.13	£3.74	£5.81
Dia O/D	25mm	30mm	50mm	75mm
Per Mtr	£7.51	£9.14	£13.60	£20.56
Dia O/D	100mm	150mm		
Per Mtr	£24.15	£31.94		

Tube is specified by its outside diameter.

Normally tubes 6-20mm have a wall thickness of 2mm and 25-150mm have a wall thickness of 3mm.

Please note the wall thickness can vary between batches please contact us for an exact measurement if required.

6 - 50mm available only in metre lengths.

75 - 150mm may be ordered in ½ metres at an additional cost of 15%.

Starter Pack - ACT20 **£128.99**

20 pieces of mixed diameters and colours.

1 each of 150mm / 100mm / 75mm / 50mm / 30mm.

2 x 20mm / 3 x 15mm / 4 x 10mm / 6 x 6mm.

Starter Pack - ACT25 **£120.41**

25 Pieces of mixed diameters and colours.

4 each of 6mm / 10mm / 15mm / 20mm / 25mm / 30mm. 1 x 50mm.

Clear Acrylic Tube

Available in twelve diameters.

Order Code ACTUBECL followed by diameter.

Dia O/D	6mm	10mm	15mm	20mm
Per Mtr	£1.70	£2.80	£3.38	£5.22
Dia O/D	25mm	30mm	40mm	50mm
Per Mtr	£6.77	£8.22	£9.63	£12.28
Dia O/D	60mm	80mm	100mm	150mm
Per Mtr	£15.48	£21.58	£22.45	£29.65

Starter Pack - ACT17 **£140.88**

17 Pieces of mixed diameters.

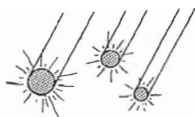
1 each of 150mm / 100mm / 80mm / 60mm / 50mm 40mm / 30mm.

2 each of 25mm / 20mm / 15mm / 10mm / 6mm

Starter Pack - ACT 30 **£155.62**

30 pieces of mixed diameters.

4 each of 6mm / 10mm / 15mm / 20mm / 25mm / 30mm / 40mm. 2 x 50mm.



Plastics

Acrylic Rod "Light Gathering"

Light is gathered along the length of the rod and transmitted to the ends, where it gives a magical "bright light" effect.

Code	Description (length 490mm)	Price per rod
TAR-1B	1.6mm Blue	£1.03
TAR-1G	1.6mm Green	£1.03
TAR-1R	1.6mm Red	£1.03
TAR-1Y	1.6mm Yellow	£1.03
TAR-2B	2.4mm Blue	£1.47
TAR-2G	2.4mm Green	£1.47
TAR-2R	2.4mm Red	£1.47
TAR-2Y	2.4mm Yellow	£1.47
TAR-3B	3.2mm Blue	£1.95
TAR-3G	3.2mm Green	£1.95
TAR-3R	3.2mm Red	£1.95
TAR-3Y	3.2mm Yellow	£1.95
TAR-4B	4mm Blue	£2.56
TAR-4G	4mm Green	£2.56
TAR-4R	4mm Red	£2.56
TAR-4Y	4mm Yellow	£2.56
TAR-6B	6mm Blue	£5.03
TAR-6G	6mm Green	£5.03
TAR-6R	6mm Red	£5.03
TAR-6Y	6mm Yellow	£5.03
TAR-10B	10mm Blue	£7.99
TAR-10G	10mm Green	£7.99
TAR-10R	10mm Red	£7.99
TAR-10Y	10mm Yellow	£7.99
TAR-15B	15mm Blue	£9.99
TAR-15R	15mm Red	£9.99
TAR-15Y	15mm Yellow	£9.99
TAR-20R	20mm Red	£13.99
TAR-20Y	20mm Yellow	£13.99
STAR-24	Assorted pack 2 of each colour 1.6mm, 2.4mm & 3.2mm (24 in total)	£34.99
STAR-20	Assorted pack 2 of each colour 4mm & 6mm, 1 each 10mm (20 in total)	£65.99

Uni Posca Poster Paint Markers

A series of markers especially suitable for marking designs on a wide variety of materials including: Paper, Card, Metal, Glass and especially plastics.

Available in four types: **Fine** 1mm, **Medium** 1.5mm, **Broad** 8mm, **Extra Broad** 15mm.

Colours: Black - White - Red - Blue - Green - Yellow - Orange - Brown - Violet - Pink - Gold & Silver.

Code	Description	Price each
UPP10	Any Colour Fine 1mm	£2.39
UPP10-12	One Each of All 12 Colours Fine	£27.60
UPP15	Any Colour Medium 1.5mm	£2.63
UPP15-12	One Each of All 12 Colours Medium	£30.30
UPP80	Any Colour Broad 8mm	£3.71
UPP80-12	One Each of All 12 Colours Broad	£42.75
UPP150	Any Colour Extra Broad 15mm	£4.89
UPP150-9	One Each of All 9 Colours Extra Broad (Excludes Orange, Violet & Brown)	£42.30



Sizes are Nominal

Plastics

Plastic tube and fittings(Butyrate)

Tubing and fittings are manufactured to provide a good friction fit and maintain the outside diameter. The splines on the male fittings accomplish a tight fit and prevent undesired rotation yet still allow intentional turning. This feature permits cementing to be a final operation.

Coloured Tube L760mm

Colours available;

Red, Yellow, Blue, Black, White, Green, Orange.

Tube and fittings have matching codes

e.g. Bend 3 fits tube 3. Code numbers represent 1/32"

Code	Diameter		Wall Thickness	Price
	mm	inch		
TP3	2.4	3/32	0.5mm	£0.89
TP4	3.2	1/8	0.8mm	£1.04
TP6	4.8	3/16	1.2mm	£1.31
TP8	6.4	1/4	1.5mm	£1.92
TP10	7.9	5/16	1.6mm	£2.26
TP12	9.5	3/8	1.6mm	£2.77
TP14	11.1	7/16	1.6mm	£3.30
TP16	12.7	1/2	1.6mm	£4.05
TP18	14.3	9/16	1.6mm	£4.74
TP20	15.9	5/8	1.6mm	£5.35
TP24	19.1	3/4	1.6mm	£6.25

Elbow Bends

45°
ANGLE
BENDS



45°
FEMALE
BENDS



Code	Price	Code	Price
EBA3	£0.33	EBAF3	£0.39
EBA4	£0.42	EBAF4	£0.43
EBA6	£0.51	EBAF6	£0.52
EBA8	£0.55	EBAF8	£0.58
EBA10	£0.63	EBAF10	£0.59
EBA12	£0.67	EBAF12	£0.64
EBA14	£0.72	EBAF14	£0.68
EBA16	£0.77	EBAF16	£0.77
EBA18	£0.86	EBAF18	£0.90
EBA20	£0.99	EBAF20	£0.99
EBA24	£1.04	EBAF24	£1.04

Reducers

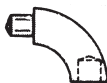


Elbow Bends

90°
MEDIUM
BENDS



90°
FEMALE
BENDS



Code	Price	Code	Price
EBM3	£0.36	EBF3	£0.42
EBM4	£0.41	EBF4	£0.49
EBM6	£0.51	EBF6	£0.52
EBM8	£0.52	EBF8	£0.53
EBM10	£0.57	EBF10	£0.57
EBM12	£0.66	EBF12	£0.61
EBM14	£0.70	EBF14	£0.68
EBM16	£0.77	EBF16	£0.77
EBM18	£0.82	EBF18	£0.82
EBM20	£0.89	EBF20	£0.85
EBM24	£1.05	EBF24	£0.95

Code	Price	Code	Price
R4-3	£0.38	R6-4	£0.42
R8-4	£0.51	R8-6	£0.55
R10-6	£0.59	R10-8	£0.61
R12-8	£0.65	R12-10	£0.68
R14-10	£0.77	R14-12	£0.85
R16-12	£0.93	R16-14	£0.95
R18-14	£0.97	R18-16	£0.99
R20-16	£1.08	R20-18	£1.21
R24-18	£1.20	R24-20	£1.22

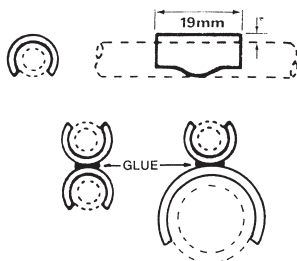
Whilst every effort has been made to produce these components such that they will interface it must be understood that due to the difficulty in holding tolerances of extended tube, it may sometimes be necessary to drill, file or ream the tube selected to produce the required fit.

Plastics

Hinges / Sleeves

By glueing sleeves back to back either for the same or different sizes of tube, many variations of hinge or clip are possible.

Available in Blue, Green and White.



Code	Price	Code	Price
HS3	£0.12	HS4	£0.16
HS6	£0.18	HS8	£0.20
HS10	£0.21	HS12	£0.24
HS14	£0.25	HS16	£0.29
HS18	£0.30	HS20	£0.33
HS24	£0.34		

Tube Caps

All fit inside tubing with matching code number.

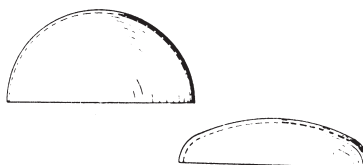
Code	Price
TC3	£0.28
TC4	£0.33
TC6	£0.36
TC8	£0.41
TC10	£0.47
TC12	£0.51
TC14	£0.55
TC16	£0.60
TC18	£0.66
TC20	£0.75
TC24	£0.80



Hemispherical and Elliptical Domes

HH and HE domes fit on the end of tubes with same code numbers.

Available in Grey and Clear.



Code	Price	Code	Price
HH12	£0.51	HE12	£0.43
HH14	£0.53	HE14	£0.50
HH16	£0.62	HE16	£0.52
HH18	£0.65	HE18	£0.60
HH20	£0.68	HE20	£0.63
HH24	£0.77	HE24	£0.65

Larger sizes available to special order

Prices on request

Plastic Engraving Products

In addition to materials which for many years have been engraved and then filled to provide contrast letters or symbols, there are now plastic laminated products. These laminates have a surface layer which contrasts with the underlayer and thus when engraved avoids the necessity for filling to produce a different colour. This material is not suitable for laser cutting.

Sheet size L640 x W300 x T1.5 or 3mm

Colours: Black/White/Black

Blue/White/Blue

Red/White/Red

White/Red/White

Thickness	Price	
	per sheet	pk 5 mixed
1.5mm	£6.79	£32.65
3mm	£11.69	£52.64



Plastics / Clear Acrylic Shapes

Square Tubing

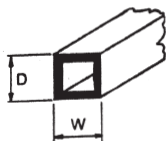
Length 760mm - Wall Thickness 1.6mm

ABS Plastic - Light Grey

*These sizes telescope inside each other.

^These sizes telescope inside each other.

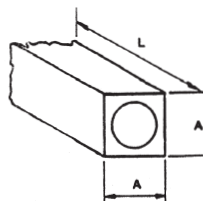
Code	Size D&W	Price each
FPH-4	*3.2	£2.01
FPH-6	^4.8	£2.40
FPH-8	*6.4	£2.74
FPH-10	^7.9	£3.24
FPH-12	*9.5	£3.69
FPH-14	^11.1	£4.18
FPH-16	*12.7	£4.63
FPH-18	^14.3	£5.30
FPH-20	*15.9	£6.19
FPH-24	*19.1	£6.90
FPH-28	*22.2	£7.63
FPH-32	*25.4	£7.99
FPH-36	*28.6	£8.55
FPH-40	*31.8	£8.87



Clear Square Tube

Length 760mm

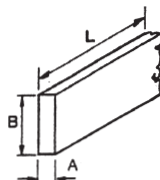
Code	Size A	Actual ID	Price each
QS-4	3.20	1.00	£2.22
QS-6	4.80	2.38	£2.66
QS-8	6.40	3.18	£3.16



Acrylic Rectangular Rod

Length 900mm

Code	Size A	Size B	Price each
CARR-5	3.20	15.90	£3.25
CARR-7	4.80	19.10	£5.15
CARR-8	6.40	12.70	£5.37
CARR-9	6.40	25.40	£7.99
CARR-23	19.10	25.40	£14.60

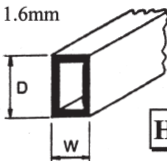


Rectangular Tubing

Length 760mm - Wall Thickness 1.6mm

ABS Plastic - Light Grey

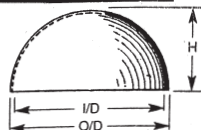
Code	Size D	Size W	Price each
FPB-8	6.4	4.8	£2.48
FPB-10	7.9	6.4	£2.78
FPB-12	9.5	6.4	£3.09
FPB-14	11.1	6.4	£3.50
FPB-16	12.7	6.4	£3.88
FPB-18	14.3	6.4	£4.25
FPB-19	14.3	9.5	£4.63
FPB-20	15.9	6.4	£5.14
FPB-21	15.9	12.7	£5.60
FPB-24	19.1	9.5	£6.09
FPB-26	19.1	14.3	£6.49
FPB-28	22.2	9.5	£6.98
FPB-29	22.2	15.9	£7.29
FPB-32	25.4	9.5	£7.63
FPB-33	25.4	19.1	£7.92
FPB-36	28.6	9.5	£8.23
FPB-37	28.6	19.1	£8.82



Hemispherical Domes

Clear Acrylic

Code	O/D mm	I/D mm	H	Price each
HH-16	12.7	7.1	6.4	£0.62
HH-32	25.4	19.8	12.7	£0.90
HH-150	38.1	31.8	19.1	£1.55
HH-200	50.8	44.5	25.4	£3.34
HH-300	76.2	69.9	38.1	£5.68
HH-400	101.6	95.3	50.8	£7.92
HH-500	127.0	120.7	63.5	£9.42
HH-600	152.4	146.1	76.2	£10.35

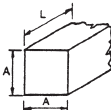


Plastics / Clear Acrylic Shapes

Acrylic Square Rod

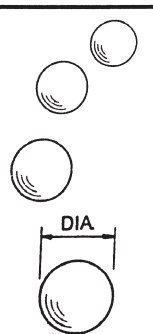
Length 900mm

Code	Size A	Price each
CASR-4	3.2	£0.71
CASR-6	4.8	£1.38
CASR-8	6.4	£2.27
CASR-12	9.6	£2.68
CASR-16	12.7	£7.84
CASR-20	15.9	£11.75
CASR-24	19.1	£15.34
CASR-32	25.4	£24.99



Acrylic Balls

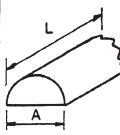
Code	Dia	Price each
CAB-4	3.2	£0.10
CAB-6	4.8	£0.12
CAB-8	6.4	£0.16
CAB-12	9.6	£0.37
CAB-16	12.7	£0.47
CAB-20	15.9	£0.49
CAB-24	19.1	£0.69
CAB-28	22.2	£0.97
CAB-32	25.4	£1.65
CAB-40	32.0	£3.99
CAB-48	38.0	£5.55



Acrylic Half Round Rod

Length 900mm

Code	Size A	Price each
CAHR-16	12.7	£3.30
CAHR-20	15.9	£4.65
CAHR-24	19.1	£6.99
CAHR-32	25.4	£9.25

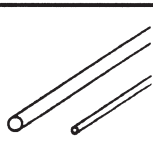


Glass Fibre Rod

Length 910mm

Very Strong lightweight material, made from Polyester resin, reinforced with glass fibres. Rigid, with a ceramic like feel, it makes a useful alternative to steel for axles. Strong, but much easier to cut, ideal for young children.

Code	Dia	Price each
PROD-2	2mm	£0.89
PROD-3	3mm	£0.92
PROD-4	4mm	£1.11
PROD-6	6mm	£1.43



Acrylic Spiral Rod

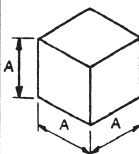
Length 900mm

Code	Size A	Price each
CASSR-12	9.5	£6.52
CASSR-20	16.0	£14.57
CASSR-24	19.0	£19.15
CASSR-32	25.4	£27.50



Acrylic Cubes

Code	Size A	Price each
CAC-8	6.4	£0.42
CAC-12	9.6	£0.65
CAC-16	12.7	£0.77
CAC-20	15.9	£1.03
CAC-24	19.1	£1.37
CAC-32	25.4	£2.29
CAC-40	32.0	£4.25



Acrylic Bubble Rod

Length 500mm

Stunning clear Acrylic Rod with air bubbles trapped inside. Ideal for jewellery and interior design work.

Code	Dia	Price each
CBR-5	5.0	£2.01
CBR-10	10.0	£4.07
CBR-15	15.0	£6.76
CBR-20	20.0	£12.43



Plastic Material Starter Packs



No Longer Available
Items available individually
On pages 24, 25 and 26

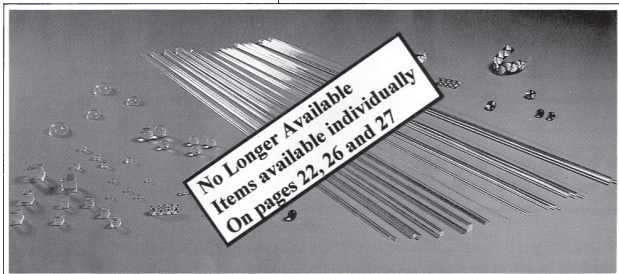
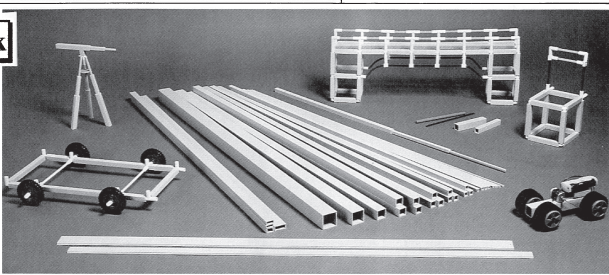
Coloured Tube Pack

CT52750 £93.34
Tube lengths: 750mm
Material: B... styrene.
Compat...
6 sizes... mm OD
... 70 assorted
... assorted domes.
10 b... insert wires.

No Longer Available
Items available individually
on pages 24, 25 and 26

Square/Rect. Tube Pack

SR22750 £82.16
Tube lengths: 750mm
Material: Light grey ABS
Glues easily to acrylic & styrene.
10 sizes 3.2 thro 28.6mm square
22 pieces in total. Note: Certain
sizes telescope. 5 sizes rect
2 pieces variable section.



No Longer Available
Items available individually
On pages 22, 26 and 27

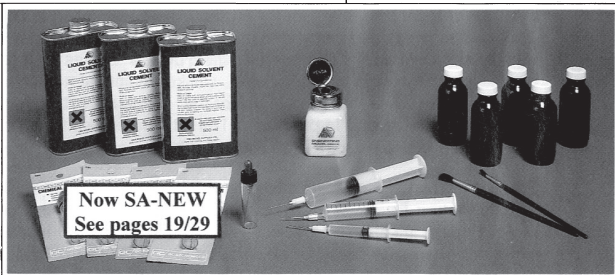
Clear Acrylic Pack

CAP14910 £59.20
Rod length 910mm
5 sizes 1.6...
14 pieces... round:
1... square rod
... 12.7mm
... res/cubes: 50 assorted
H... halvespheres: 4 assorted

No Longer Available
Items available individually
on pages 22, 26 and 27

Solvent Pack

SPA305 £52.96
3 x 500ml PPC-2
1 x SD-612 dispenser
5 x SA-NEW applicators
3 syringes 3/10/22cc (with blunt
needles). 2 brushes. 5 decanting
bottles. Adhesive suitable for
acrylic, ABS, styrene & butyrate.



Now SA-NEW
See pages 19/29

Replacement items may be ordered individually

Acrylic / Cements / Polishes / Plastic Accessories

Cements for Plastics

Tensol No 12 500ml tin. A single component cement to produce a clear bond in acrylic sheet.

£13.94

Tensol No 70 500ml bottle & 25ml hardener. A two part catalysed cement which cures at ambient temperatures to produce a high strength clear bond to acrylic sheet and offers excellent weathering resistance.

£23.19

Liquid Solvent Cement 500ml tin. (Water like consistency). Suitable for several plastics i.e. acrylics, ABS, butyrate, HIPs etc. Very fast acting. Not suitable for gap filling.

£6.72

Mirror Adhesive 290ml cartridge. Suitable for bonding mirrored acrylic and mirror glass to wood, brick, plaster and other wall substrates.

£5.72

Skeleton gun for above **£3.02**

Polish

Vonax Bar

£7.27

A bar of polish suitable for polishing Acrylic.

Blue Bar

£6.42

A versatile compound for plastics.

TKM264 Spray Polish/Cleaner 400ml

£6.66

Suitable for both plastics and non ferrous metals.

Applicators

SA-NEW 30ml bottle complete with nozzle and optional steel outlet needles. Fine & Coarse.

£2.81

SA-1 28gm small applicator bottle with fine outlet nozzle. Just the job for application of PPC-2

£5.77

SD-612 Solvent dispenser. For classroom and workshop safety, to keep accidental spillage to a minimum.

£19.75

SS-10 Solvent syringe. Suitable for dispensing solvent cement from container to applicator or dispenser, or for use in its own right when used in conjunction with blunt needle.

£0.47

NB-16 Special blunt needle for SS-10.

£0.31

NB-16F Special fine needle for SS-10.

£0.32

70AP-Kit Mixing and applicator kit for Tensol No 70.

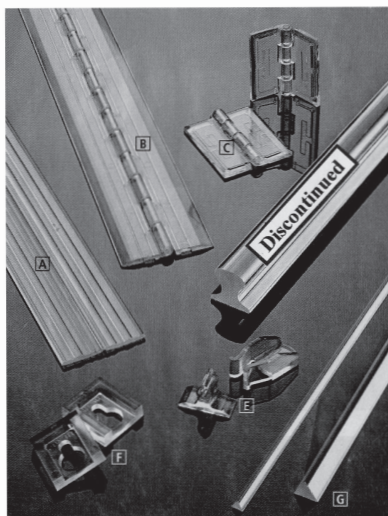
£3.15

12AP-Kit Applicator kit suitable for Tensol No 12 and liquid solvent cement.

£3.24

ASD125 125ml Dispenser bottle suitable for Solvent Cement or Tensol No 12.

£1.56



Acrylic Hinge

A M280 500mm

£6.83 ea

Extruded hinge. Strong and flexible, may be adhered to doors, cabinets, flaps etc.

B M861 300mm

£6.60 ea

2 part hinge, works well on doors flaps etc.

C M862 pack of 10

£9.62 pk10

Small hinges packed in 10s.

Acrylic Door Catch

E M864 pack of 10

£13.83 pk10

Acrylic Keyway

F M865 pack of 10

£3.76 pk10

Allows you to hang, support and display work.

Acrylic Glueing Fillets

G M313 600mm

3mm £0.89 ea

4mm £1.29 ea

Glueing fillets are thin triangular strips that can be used to strengthen corners when joining sheets.

Coloured Polypropylene Hinge

M866 pack of 20

£3.12 pk20

Length 38mm Opening width 19mm

Colours available: Red, Yellow, Green and Blue

Sheet Metal & Other Materials

Copper (Half Hard)

1200 x 600mm

Gauge	mm	Price per sheet
25	0.55	£39.55
22	0.7	£49.80
20	0.9	£57.67
18	1.2	£74.20
16	1.6	£91.87
14	2.0	£120.52

Brass (Half Hard)

1000 x 500mm

Gauge	mm	Price per sheet
22	0.7	£34.59
20	0.9	£44.02
18	1.2	£49.90
16	1.6	£69.45
14	2.0	£86.28

Aluminium (Half Hard)

1000 x 500mm

Gauge	mm	Price per Sheet
25	0.5	£5.59
22	0.7	£5.89
20	0.9	£7.60
18	1.2	£10.01
16	1.6	£13.27
14	2.0	£17.04
10	3.0	£24.31
8	4.0	£31.64

Mild Steel (Cold Rolled)

1000 x 500mm

Thickness	Price per Sheet
0.8mm	£6.23
1.0mm	£7.27
1.2mm	£8.98
1.6mm	£11.32
2.0mm	£14.01
3.0mm	£17.99

Tinplate - Nominal Size

Size	Price per Sheet
915x813mmx0.43	£6.88

Size may vary-priced pro rata.

Aluminium Ingots

LM4	Ingots	£5.10 per Kg
-----	--------	--------------

Priced by weight Ingots may vary

Stainless Steel

1000 x 500mm

Gauge	mm	Price per Sheet
22	0.7	£23.50
20	0.9	£24.64
18	1.2	£32.03
16	1.6	£39.74

Wire

Copper Wire	
Price per Kg	
0.9mm	£15.47
1.2mm	£15.58
1.6mm	£15.82

Brass Wire	
Price per Kg	
0.9mm	£15.73
1.2mm	£14.69
1.6mm	£14.32

Soft Iron Wire	
Price per 2Kg	
0.71mm	£16.25
1.0mm	£13.63
1.2mm	£13.57

Galvanised Wire	
Price per coil	
1.0mm	£4.27 per 80m
1.6mm	£4.47 per 30m
2.0mm	£4.64 per 20m

Steel Tube - ERW Semi Bright - Nominal 2.8 metre lengths

Round		
Size		Price 2.8mtrs
1/2" O/D	18G	£3.73
5/8" O/D	18G	£3.96
3/4" O/D	16G	£5.40
1" O/D	16G	£6.76

Square		
Size		Price 2.8mtrs
1/2" x 1/2"	18G	£4.75
5/8" x 5/8"	16G	£5.84
3/4" x 3/4"	16G	£6.86
1" x 1"	16G	£8.51

Rectangular	
Size	Price 2.8mtrs
25.4 x 12.7 x 1.5mm	£4.71
38.1 x 19.05 x 1.5mm	£8.78
50.8 x 25.4 x 1.5mm	£10.76

Polythene End Fittings for ERW Tube - Prices per 100

Round			
To Fit Tube Outside Diameter		Inside Fitting	Outside Fitting
1/2"	18G	£3.32	£3.69
5/8"	18G	£3.65	£3.97
3/4"	16G	£6.65	£6.07
7/8"	16G	£6.78	£6.47
1"	16G	£7.19	£6.87

Square	
To Fit Tube	Inside Fitting
1/2" Sq	£5.98
5/8" Sq	£6.82
3/4" Sq	£7.25
7/8" Sq	£7.25
1" Sq	£7.76

Rectangle	
To Fit Tube	Inside Fitting
25.4 x 12.7mm	£6.84
38.1 x 19.05mm	£9.38
50.8 x 25.4mm	£13.80



Metals

Steel ERW Tube

Round

Dia	Wall	Price	
		1.4mtr	2.8mtr
30mm	1.5mm	£4.36	£8.28
35mm	1.5mm	£4.85	£9.22
40mm	1.5mm	£5.51	£10.48
45mm	1.5mm	£6.44	£12.23
50mm	1.5mm	£7.06	£13.41
60mm	1.5mm	£9.70	£18.44

Square

Size	Wall	Price	
		1.4mtr	2.8mtr
30mm	1.5mm	£6.88	£13.07
35mm	1.5mm	£8.40	£15.96
40mm	1.5mm	£9.17	£17.42
45mm	1.5mm	£12.81	£24.34
50mm	1.5mm	£14.85	£28.21
60mm	2.0mm	£19.11	£35.31

Aluminium

Hex A/F Lengths

A/F	Price	
	36"	6ft
1/2"	£7.46	£13.43
5/8"	£8.96	£16.13
3/4"	£10.45	£18.81
1"	£18.65	£33.57
1 1/4"	£23.64	£42.56
1 1/2"	£31.50	£56.70

Square Bar

Width	Price per ft
1 1/4"	£20.00
1 1/2"	£30.00
1 3/4"	£41.25
2"	£54.37
2 1/2"	£68.50
3"	£84.60

Flat Bar

Size	Price	
	ft	36"
2x1/4"	£2.64	£7.20
2 x3/8"	£3.52	£9.60
2x1/2"	£5.28	£14.40
2x3/4"	£7.26	£19.80
2x1"	£9.79	£26.70
2x1 1/2"	£13.86	£37.80
3x1/4"	£4.12	£11.25

Square Tube

Width	Wall	Price per 36"
1/2"	16G	£4.74
3/4"	16G	£6.35
1"	16G	£6.64
1 1/4"	16G	£6.88
1 1/2"	16G	£8.12
2"	10G	£16.02
3"	10G	£22.38
4"	10G	£30.30

Round Tube

Dia	Wall	Price	
		ft	36"
1 1/4"	16G	£2.52	£6.31
1 1/2"	16G	£2.91	£7.95
2"	16G	£3.61	£9.85
2 1/2"	16G	£3.93	£10.72
3"	16G	£4.88	£13.32
3 1/2"	16G	£5.79	£15.80
4"	16G	£6.23	£17.00

Rectangular Tube

Size	SWG	Price per 36"
2x1"	10	£13.47
2x1 1/2"	10	£15.65
3x1 1/2"	10	£22.45
3x2"	10	£24.75

Round Rod

Diameter	Price per ft
2"	£15.50
2 1/4"	£16.80
2 1/2"	£21.00
3"	£30.00
4"	£55.00

Metals

All in 36" lengths. Priced per length.

Aluminium

Aluminium Flat Bar

15x2mm	£1.22
3/8"x1/8"	£1.09
1/2"x1/8"	£1.31
5/8"x1/8"	£1.53
3/4"x1/8"	£1.73
1"x1/8"	£2.18
1 1/4"x1/8"	£2.61
1 1/2"x1/8"	£3.04
2"x1/8"	£4.06

Aluminium Square Bar

1/4"	£1.53
5/16"	£1.95
3/8"	£3.70
1/2"	£4.61
5/8"	£7.41
3/4"	£9.37
1"	£16.30

Aluminium Round Rod

3/16"	£1.10
1/4"	£1.12
5/16"	£1.53
3/8"	£2.18
1/2"	£3.70
5/8"	£5.26
3/4"	£6.99
1"	£11.11
1 1/2"	£44.27

Free Cutting Available +20%

Aluminium Tube

3/8"(9mm) O/D	£1.50
1/2"(12mm) O/D	£2.12
5/8"(15mm) O/D	£2.57
3/4"(19mm) O/D	£3.16
1"(25mm) O/D	£3.59

Aluminium Angle

1/2"x1/2"x1/16"	£1.57
3/4"x1/2"x1/16"	£2.37
1/2"x1/2"x1/8"	£2.55
5/8"x5/8"x1/8"	£2.82
3/4"x3/4"x1/8"	£3.04
1"x1/2"x1/8"	£2.97
1"x1"x1/8"	£3.91

Brass

Brass Flat Bar

1/4"x1/8"	£3.36
3/8"x1/8"	£3.87
1/2"x1/8"	£4.95
5/8"x1/8"	£6.35
3/4"x1/8"	£7.50
1"x1/8"	£9.71

Brass Square Bar

3/16"	£3.88
1/4"	£7.50
5/16"	£13.53
3/8"	£14.62
1/2"	£16.89
5/8"	£26.02
3/4"	£37.06
1"	£67.53

Brass Round Rod

1/4"	£4.79
5/16"	£5.43
3/8"	£7.73
7/16"	£9.59
1/2"	£12.53
5/8"	£18.81
3/4"	£27.70
1"	£47.93
1 1/2"	£99.65
2"	£172.54

Brass Angle

5/8"x5/8"x1/8"	£11.07
3/4"x3/4"x1/8"	£13.24
1"x1/2"x1/8"	£13.84
1"x1"x1/8"	£18.28

Brass Hexagonal Bar

1/4" A/F	£12.48
5/16" A/F	£16.37
3/8" A/F	£23.42
7/16" A/F	£32.01
1/2" A/F	£36.25

Copper

Copper Flat Bar

3/8"x1/8"	£4.95
1/2"x1/8"	£5.66
3/4"x1/16"	£5.84
3/4"x1/8"	£9.42
1"x1/8"	£12.47
1"x3/16"	£15.49

Copper Square Bar

3/8"	£11.81
1/2"	£23.56
3/4"	£50.92
1"	£92.25

Copper Round Rod

1/4"	£4.95
5/16"	£9.42
3/8"	£10.24
1/2"	£16.89
5/8"	£29.35
3/4"	£36.60
1"	£71.93

Metals

BDMS Strip

For Scroll Work
12mm x 1mm x 1.4m length
£1.15 (Min 20 Lengths)

Bright Drawn Mild Steel

Flat Bar

Size	Price per 2.5 mtr	Price per 0.5 mtr
10 x 3mm	£3.80	£1.01
12 x 3mm	£4.25	£1.25
15 x 3mm	£4.61	£1.39
20 x 3mm	£5.67	£1.42
25 x 3mm	£7.04	£2.11
40 x 3mm	£11.33	£3.54
50 x 3mm	£15.15	£4.31
20 x 5mm	£9.43	£3.17
30 x 5mm	£11.72	£3.80
25 x 10mm	£19.51	£5.32

Square Bar

Size	Price per 2.5 mtr	Price per 0.5 mtr
6mm	£4.61	£1.24
8mm	£7.07	£1.90
10mm	£9.57	£2.50
12mm	£10.56	£3.17
16mm	£19.27	£5.21
20mm	£30.18	£8.15
25mm	£40.70	£10.91

Round Rod

Size dia	Price per 2.5 mtr	Price per 0.5 mtr
3mm	£0.84 (Min 20 Lengths)	
4mm	£1.29 (Min 20 Lengths)	
5mm	£2.00 (Min 10 Lengths)	
6mm	£2.28	£0.69
8mm	£3.04	£0.91
10mm	£4.89	£1.47
12mm	£6.46	£1.93
16mm	£12.43	£3.62
20mm	£19.32	£4.92
25mm	£30.40	£7.02
30mm	£43.64	£9.55
40mm	£58.25	£12.33
50mm	£91.01	£18.52

Pewter (Lead Free casting alloy)

Solidus-Liquidus 220-230 deg.C
Pouring Range 300-315 deg.C
Sold by weight

£26.67 per kg

£130.71 per 5 kg

£257.39 per 10 kg

Silver Steel

Dia	3mm	4mm	5mm	6mm	7mm	8mm	9mm	10mm	12mm	13mm	14mm
Metre	£3.05	£4.00	£5.38	£7.75	£8.96	-	£14.30	£17.70	£25.20	£26.20	£30.41
13" lgth	£1.05	£1.36	£1.85	£2.53	£2.96	£3.73	£4.69	£5.83	£8.36	£8.66	£10.03

Short End Packs

Packs contain a mixture of bar, rod and tube and may vary considerably in contents.

Material	Pack Size	Price
Aluminium	10kg	£38.54
Copper	5kg	£47.47
Brass	5kg	£48.09
Mild Steel	20kg	£57.58

Angle Iron

Black mild steel 2mtr lengths

Size	Price
13 x 13 x 3mm	£5.35
20 x 20 x 3mm	£5.56
25 x 25 x 3mm	£5.97

Brass / Copper / Aluminium Rod & Tube

Round Brass Tube - 12" lengths

Code	Size O/D	No in pack	Price per pack
MKS125	1/16	15	£9.92
MKS126	3/32	15	£11.85
MKS127	1/8	15	£13.38
MKS128	5/32	12	£12.62
MKS129	3/16	12	£15.49
MKS130	7/32	10	£12.33
MKS131	1/4	8	£10.55
MKS132	9/32	8	£11.25
MKS133	5/16	6	£9.49
MKS134	11/32	6	£11.10
MKS135	3/8	6	£12.10
MKS136	13/32	4	£8.77
MKS137	7/16	4	£9.89
MKS138	15/32	4	£10.55
MKS139	1/2	4	£11.25
MKS140	17/32	3	£8.97
MKS141	9/16	3	£9.56
MKS142	19/32	2	£7.04
MKS143	5/8	2	£7.34
MKS144	21/32	2	£7.74

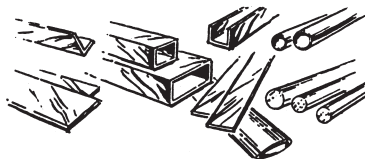
Round Brass Tube - 36" lengths

Code	Size O/D	No in pack	Price per pack
MKS1143	1/16	5	£9.89
MKS1144	3/32	5	£11.85
MKS1145	1/8	5	£12.82
MKS1146	5/32	5	£12.97
MKS1147	3/16	6	£18.41
MKS1148	7/32	6	£20.25
MKS1149	1/4	5	£19.96
MKS1150	9/32	5	£19.71
MKS1151	5/16	4	£18.35
MKS1152	11/32	4	£18.41
MKS1153	3/8	3	£16.12

Square Brass Tube - 12" lengths

Code	Size Square	No in pack	Price per pack
MKS149	1/16	12	£15.65
MKS150	3/32	10	£13.35
MKS151	1/8	12	£21.96
MKS152	5/32	10	£20.07
MKS153	3/16	6	£13.08
MKS154	7/32	6	£14.64
MKS155	1/4	6	£16.71

Only Available in Pack Quantities



Rectangular Brass Tube - 12" lengths

Code	Size	No in pack	Price per pack
MKS262	3/32 x 3/16	4	£17.14
MKS264	1/8 x 1/4	4	£10.12
MKS266	5/32 x 5/16	4	£10.89
MKS268	3/16 x 3/8	4	£12.76

Solid Brass Rod - 12" lengths

Code	Size O/D	No in pack	Price per pack
MKS159	0.020	25	£6.94
MKS160	1/32	25	£6.97
MKS161	3/64	20	£7.59
MKS162	1/16	15	£7.05
MKS163	3/32	16	£8.34
MKS164	1/8	10	£7.84
MKS165	5/32	8	£11.43
MKS166	3/16	5	£7.82
MKS167	0.114	10	£7.93
MKS168	0.081	15	£11.37
MKS169	0.072	15	£8.80

Solid Brass Rod - 36" lengths

Code	Size O/D	No in pack	Price per pack
MKS2159	0.020	50	£40.06
MKS2160	1/32	50	£39.95
MKS2161	3/64	34	£32.34
MKS1160	1/16	10	£15.75
MKS1161	3/32	5	£10.41
MKS1162	1/8	5	£14.25
MKS1163	5/32	5	£18.95
MKS2166	3/16	5	£20.67
MKS2167	0.114	10	£26.60
MKS2168	0.081	10	£22.32
MKS2169	0.072	16	£28.20

Soft Brass Fuel Tube - 12" lengths

Code	Size O/D	No in pack	Price per pack
MKS121	1/8	10	£11.45

Brass / Copper / Aluminium Rod & Tube

Brass Strips - 12" lengths

Code	Size	No in pack	Price per pack
MKS230	.016 x ¼	20	£11.59
MKS231	.016 x ½	15	£10.16
MKS232	.016 x 1	10	£9.66
MKS233	.016 x ¾	10	£8.10
MKS234	.016 x 2	5	£8.91
MKS235	.025 x ¼	15	£11.11
MKS236	.025 x ½	10	£10.17
MKS237	.025 x 1	6	£9.47
MKS238	.025 x ¾	6	£7.12
MKS239	.025 x 2	3	£8.75
MKS240	.032 x ¼	15	£12.25
MKS241	.032 x ½	10	£9.75
MKS242	.032 x 1	5	£8.29
MKS243	.032 x ¾	6	£7.78
MKS244	.032 x 2	3	£9.91
MKS245	.064 x ¼	8	£9.60
MKS246	.064 x ½	4	£7.76
MKS247	.064 x ¾	3	£7.19
MKS248	.064 x 1	2	£6.65
MKS249	.064 x 2	3	£16.32

Brass Angle - 12" lengths

Code	Size O/D	No in pack	Price per pack
MKS171	1/8 x 1/8	10	£10.95
MKS172	5/32 x 5/32	10	£12.62
MKS173	3/16 x 3/16	8	£8.75
MKS174	7/32 x 7/32	7	£8.23
MKS175	1/4x1/4	6	£7.55

Brass Channel - 12" lengths

Code	Size	No in pack	Price per pack
MKS181	1/8	10	£13.49
MKS182	5/32	8	£9.49
MKS183	3/16	7	£8.80
MKS184	7/32	6	£8.06
MKS185	1/4	5	£7.14

Copper Tube - 12" lengths

Code	Size O/D	No in pack	Price per pack
MKS117	1/16	15	£9.92
MKS118	3/32	15	£10.90
MKS119	5/32	12	£10.49
MKS120	1/8	12	£10.54

Square Aluminium Tube - 12" lengths

Code	Size	No in pack	Price per pack
MKS3010	3/32	7	£9.92
MKS3011	1/8	6	£9.58
MKS3012	5/32	6	£10.69
MKS3013	3/16	5	£9.73
MKS3014	7/32	5	£10.70
MKS3015	1/4	5	£11.54

Aluminium Tube - 12" lengths

Code	Size O/D	No in pack	Price per pack
MKS100	1/16	15	£8.10
MKS101	3/32	15	£8.66
MKS102	1/8	15	£8.70
MKS103	5/32	12	£8.72
MKS104	3/16	12	£9.73
MKS105	7/32	10	£9.02
MKS106	1/4	10	£10.77
MKS107	9/32	8	£9.32

Round Aluminium Tube - 36" lengths

Code	Size O/D	No in pack	Price per pack
MKS1108	3/32	5	£8.80
MKS1109	1/8	5	£7.94
MKS1110	5/32	6	£10.78
MKS1111	3/16	6	£12.19
MKS1112	7/32	6	£13.96
MKS1113	1/4	5	£12.76
MKS1114	9/32	5	£13.85
MKS1115	5/16	4	£12.29

Piano Wire - 36" lengths

Code	Size	No in pack	Price per pack
MKS498	0.015	25	£9.34
MKS499	0.020	25	£8.53
MKS500	0.025	25	£8.61
MKS501	0.032	20	£8.58
MKS502	0.047	20	£10.47
MKS503	0.055	15	£8.80
MKS504	0.062	15	£9.62
MKS505	0.078	15	£11.21
MKS506	3/32	10	£10.16
MKS507	1/8	9	£10.12
MKS508	5/32	7	£11.03
MKS509	3/16	4	£8.69
MKS510	7/32	4	£12.02
MKS511	1/4	3	£11.46

All tube wall thickness 1/64" tubes will telescope

Brazing / Welding / Soldering Rods & Flux

Brazing

Silicon Bronze Rod

Size	1 Kg	2.5 Kg
1.6mm (1/16")	£19.29	£45.82
2.4mm (3/32")	£17.62	£41.84
3.2mm (1/8")	£16.58	£39.36

Silicon Bronze Rod (Pre-Fluxed)

Size	1 Kg
2.4mm (3/32")	£26.25

Aluminium

Size	1 Kg
1.6mm (1/16")	£25.78
2.4mm (3/32")	£23.38
3.2mm (1/8")	£21.37

Aluminium (Pre-Fluxed)

Size	1 Kg
3.2mm (1/8")	£44.79

Welding

Copper Coated Mild Steel (CCMS)

Size	1 Kg	2.5Kg	5 Kg
1.6mm (1/16")	£5.01	£12.31	£23.85
2.4mm (3/32")	£4.38	£10.72	£20.80
3.2mm (1/8")	£4.08	£9.99	£19.40

(useful for axle wire)

Mild Steel (Arc Rods)

Gauge	3.25mm	2.5mm	2.0mm	1.6mm
Per 100	£21.73	£18.16	£17.88	£19.95

Solder

Tinmans

10mm Sticks	£19.82 Kg
4/5mm Sticks	£22.07 Kg

Multicore (general purpose & electrical)

Size 5	1.0mm x 100gm	£2.99 ea	£27.77 per 10
--------	---------------	----------	---------------

Multicore (Lead Free)

250gm Reels 18g	85-6390	£30.95 ea
250gm Reels 22g	85-6395	£32.10 ea

Solder

Rosin Free Omega 63/37

500gm Reels 18g	85-6150	£22.45 ea.
500gm Reels 22g	85-6154	£24.75 ea.

Silver Solder (Cadmium Free)

Silver-Flo 55	500 x 1.5mm	£5.51 per length (630-660 melting range)
Silver-Flo 24	500 x 1.5mm	£5.17 per length (740-780 melting range)
Silver-Flo 16	500 x 1.5mm	£3.90 per length (790-830 melting range)

Flux

Easy Flo	£13.27	- 250gm
	£25.03	- 500gm
Sif-Bronze (Brazing)	£12.50	- 500gm
Cast Iron	£11.49	- 500gm
Fluxite	£11.34	- 100gm
	£24.25	- 450gm
Bakers Fluid	£13.14	- 250ml

Solder Dispenser

85-5060 £6.80 ea.

A convenient method of dispensing solder this dispenser will accept all 500g reels.

A heavy base maintains stability.



Balsa Wood

School 'Pak'

This is the 'Pak' most widely used in schools, especially for getting a class started on modelling with Balsa. The contents have been carefully selected to cover the requirements of a complete class of about 36 pupils with the full utilisation of all the materials. These include a wide range of the most popular and useful sizes of Balsa sheet, strip and block in 455mm, 305mm and 150mm lengths.

Price per School 'Pak' £30.27

Block 'Pak'

Block Balsa is a favoured material for classroom projects and this 'Pak' is an obvious choice where larger sections of Balsa are used regularly. It contains Balsa block sizes from 25mm square to 75 x 50mm, in 150mm and 305mm lengths.

Price per Block 'Pak' £28.65

Sheet & Strip 'Pak'

This 'Pak' provides a good selection of thinner Balsa sizes. Balsa sheet from 1.5mm to 6mm thick and strip from 1.5mm square to 10mm square, all in 610mm lengths. It is extremely useful as a supplementary pack where longer lengths are required for special projects.

Price per Sheet & Strip 'Pak' £32.95

Economy 'Pak'

This large 'Pak' contains a wide section of 610mm long sheet sizes, and 305mm long block sizes. It offers a very realistic saving in cost for Schools regularly using fairly large quantities of Balsa and is an ideal basic stock 'Pak' to go with a School 'Pak' or Sheet and Strip 'Pak'.

Price per Economy 'Pak' £65.64

Balsa Cement

Price	Each	Per 12
Large	£1.59	£18.13



Balsa Strip

Code	Size	Per 10
SL2402	1.5x1.5x915mm	£1.80
SL2412	3x3x915mm	£2.65
SL2416	3x6x915mm	£3.49
SL2420	3x12.5x915mm	£4.34
SL2422	5x5x915mm	£3.15
SL2428	5x12.5x915mm	£4.58
SL2430	6x6x915mm	£3.34
SL2438	10x10x915mm	£5.91
SL2442	12.5x12.5x915mm	£9.09

Balsa Block

Code	Size	Each
SL8100	8x100x915mm	£2.29
SL10100	10x100x915mm	£2.65
SL12100	12x100x915mm	£3.45
SL15100	15x100x915mm	£4.25
SL20100	20x100x915mm	£5.50
SL30100	30x100x915mm	£7.40
SL2525	1x1x36"	£2.15
SL5025	2x1x36"	£3.99
SL7525	3x1x36"	£5.09
SL10025	4x1x36"	£6.95
SL5050	2x2x36"	£7.75
SL5075	2x3x36"	£10.19
SL50100	2x4x36"	£11.95
SL7575	3x3x36"	£15.09

Balsa Sheet

Code	Size	Per 10
SL1222	1.5x50x915mm	£9.07
SL0222	1.5x75x915mm	£9.90
SL0238	1.5x100x915mm	£12.80
SL0207	2x75x915mm	£11.60
SL0257	2.5x75x915mm	£12.40
SL1226	3x50x915mm	£10.30
SL0226	3x75x915mm	£13.80
SL0242	3x100x915mm	£16.50
SL0243	4x100x915mm	£17.90
SL0228	5x75x915mm	£16.60
SL0244	5x100x915mm	£18.90
SL0230	6x75x915mm	£18.10
SL0246	6x100x915mm	£20.20

Craftpak - CDT Timber Resource Sections

Square Section 600mm long

Code	Size mm	Length	each	Price	
				Per 10	Per 100
IJH0303	3.5 x 3.5	230mm	-	-	£2.29
IJH0404	4 x 4	140mm	-	-	£2.18
IJH0606	6 x 6	600mm	£0.17	£1.52	£14.73
IJH0808	8 x 8	600mm	£0.21	£2.03	£19.42
IJH1010	10 x 10	600mm	£0.27	£2.53	£24.09
IJH1212	12 x 12	600mm	£0.28	£2.68	£25.43
IJH1515	15 x 15	600mm	£0.37	£3.47	£33.46
IJH2121	21 x 21	600mm	£0.68	£6.49	£62.07
IJH3434	34 x 34	600mm	£1.43	£13.38	£127.17
IJH4646	46 x 46	600mm	£2.27	£21.41	£203.54

Oblong 600mm long

IJH0615	6 x 15	600mm	£0.27	£2.03	£24.09
IJH0815	8 x 15	600mm	£0.30	£2.99	£28.12
IJH0821	8 x 21	600mm	£0.36	£3.35	£32.11
IJH0834	8 x 34	600mm	£0.49	£4.69	£43.65
IJH0846	8 x 46	600mm	£0.62	£5.77	£54.53
IJH1234	12 x 34	600mm	£0.63	£5.78	£54.54
IJH1260	12 x 60	600mm	£1.07	£10.17	£96.39
IJH1521	15 x 21	600mm	£0.50	£4.83	£45.50
IJH2134	21 x 34	600mm	£0.88	£8.30	£78.96
IJH2146	21 x 46	600mm	£1.11	£10.65	£101.64
IJH2195	21 x 95	600mm	£2.44	£23.64	£220.64

Plywood 600mm long

IJPPW0475	4 x 75	600mm	£0.44	£4.28	£40.16
-----------	--------	-------	-------	-------	--------

Dowel 600mm long

IJPDW180	1/8"	600mm	£0.17	£1.50	£14.29
IJPDW400	4mm	600mm	£0.15	£1.28	£11.47
IJPDW316	3/16"	600mm	£0.16	£1.33	£11.77
IJPDW140	1/4"	600mm	£0.17	£1.49	£13.38
IJPDW516	5/16"	600mm	£0.21	£1.73	£15.60
IJPDW380	3/8"	600mm	£0.22	£1.87	£17.36
IJPDW120	1/2"	600mm	£0.31	£2.99	£28.02
IJPDW580	5/8"	600mm	£0.48	£4.66	£44.34
IJPDW340	3/4"	600mm	£0.84	£7.50	£71.38
IJPDW100	1"	600mm	£1.30	£12.33	£117.88

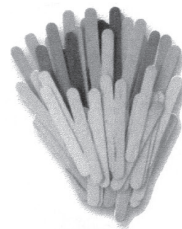
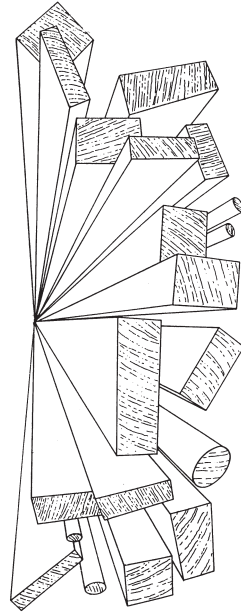
Ice Lolly Sticks

Code	Price	
	per 100	per 1000
IJPLPS	£0.72	£4.86

Matchsticks

Code	Price	
	Per 2000	Per 10000
LJPMST	£1.63	£7.30

Mainly consisting
of 'Jelutong' timber



Craftpak - CDT Timber Resource Packs

Please Note: Timber may have a sawn finish on two cut edges and may also have a small percentage of imperfections which do not detract from the working qualities of the material. Up to 10% of pack may consist of 300mm lengths

Standard Pack

85 pieces x 600mm long. Very popular pack with contents covering full range of sizes available. Useful for both shaping and structures work.

Contents: Square section: 12 off 8x8, 4 off 12x12, 7 off 15x15, 3 off 21x21, 1 off 34x34, 1 off 46x46.
 Oblong Section: 8 off 8x15, 4 off 8x21, 3 off 8x46, 4 off 12x34, 2 off 12x60, 5 off 15x21, 2 off 21x34, 1 off 21x46, 1 off 21x100
 Plywood: 2 off 4x75
 Dowel: 10 x 3/16", 8 x 1/4", 2 x 5/16", 1 x 3/8", 1 x 1/2", 1 x 5/8", 1 x 3/4", 1 x 1".

Code	Price
IJPSTD	£27.43

Block Pack

52 pieces x 600mm long. Contains larger sections available in range. Popular for shaping and forming projects.

Contents: Square section: 5 off 21x21, 4 off 34x34, 2 off 46x46.
 Oblong Section: 2 off 12x60, 4 off 15x21, 4 off 21x34, 2 off 21x46, 2 off 21x100
 Plywood: 2 off 4x75
 Dowel: 10 x 3/16", 8 x 1/4", 2 x 5/16", 1 x 3/8", 1 x 1/2", 1 x 5/8", 1 x 3/4", 1 x 1".

Code	Price
IJPBLO	£27.44

Structures Pack

129 pieces x 600mm long. Selection of the smaller sections available. Ideal for all aspects of construction projects.

Contents: Square section: 20 off 6x6, 20 off 8x8, 10 off 10x10, 12 off 12x12, 3 off 15x15.
 Oblong Section: 7 off 6x15, 10 off 8x15, 5 off 8x21, 5 off 8x34, 3 off 8x46, 2 off 12x34.
 Plywood: 4 off 4x75
 Dowel: 5 x 1/8", 10 x 3/16", 8 x 1/4", 2 x 5/16", 1 x 3/8", 1 x 1/2", 1 x 5/8".

Code	Price
IJPSTR	£27.45

MDF The Industrial Wood

MDF is a Medium Density Fibreboard made from Pino Pinaster bonded with synthetic resins in a heat and pressure curing process using steam injection.

Its high level of density, its excellent dimensional stability, its smooth surface, its good workability and mechanical properties make it an excellent material for use in schools and colleges.

It can be cut, drilled and filed using traditional hand woodworking/metalworking tools. It may be joined with screws and glued with PVA or any traditional wood glue.

This is an ideal material for model making, carpentry, furniture etc, it being an ideal substitute for solid wood in many of its applications.

Sheet Size: 1220mm x 610mm nominal

Thickness	3mm	4mm	6mm	10mm	15mm	18mm	25mm	30mm	40mm	50mm
Price per Sheet	£1.79	£2.79	£3.96	£6.06	£7.89	£9.35	£12.94	£17.82	£26.45	£36.22

Carriage Extra - Sizes Nominal

Softwood Timber



Rough Sawn

Code	Size	Price per Mtr
RT-10	19x25mm (3/4x1")	£0.79
RT-11	19x38mm (3/4x1½")	£1.09
RT-12	19x50mm (3/4x2")	£1.21
RT-13	19x75mm (3/4x3")	£1.83
RT-14	19x100mm (3/4x4")	£1.93
RT-15	19x125mm (3/4x5")	£2.44
RT-16	19x150mm (3/4x6")	£2.96
RT-20	25x25mm (1x1")	£0.78
RT-21	25x38mm (1x1½")	£0.86
RT-22	25x50mm (1x2")	£0.91
RT-23	25x75mm (1x3")	£1.60
RT-24	25x100mm (1x4")	£1.89
RT-25	25x125mm (1x5")	£2.42
RT-26	25x150mm (1x6")	£2.93
RT-27	25x175mm (1x7")	£3.44
RT-28	25x200mm (1x8")	£4.12
RT-31	38x38mm (1½x1½")	£1.37
RT-32	38x50mm (1½x2")	£1.63
RT-33	38x75mm (1½x3")	£2.37
RT-34	38x100mm (1½x4")	£2.76
RT-35	38x125mm (1½x5")	£3.61
RT-36	38x150mm (1½x6")	£4.48
RT-52	50x50mm (2x2")	£1.94
RT-53	50x75mm (2x3")	£2.85
RT-54	50x100mm (2x4")	£3.70
RT-73	75x75mm (3x3")	£4.57
RT-74	75x100mm (3x4")	£9.25

Planed

Code	Size	Price per Mtr
PT-12	14x21mm	£0.95
PT-13	14x33mm	£1.29
PT-14	14x45mm	£1.44
PT-17	14x70mm	£2.18
PT-19	14x95mm	£2.32
PT-11	14x120mm	£2.92
PT-15	14x145mm	£3.53
PT-20	21x21mm	£0.93
PT-21	21x33mm	£1.02
PT-22	21x45mm	£1.20
PT-23	21x70mm	£1.90
PT-24	21x95mm	£2.27
PT-25	21x120mm	£2.88
PT-26	21x145mm	£3.51
PT-27	21x170mm	£4.11
PT-28	21x195mm	£4.96
PT-33	32x32mm	£1.63
PT-34	32x45mm	£1.94
PT-37	32x70mm	£2.85
PT-39	32x95mm	£3.33
PT-32	32x120mm	£4.33
PT-31	32x145mm	£5.38
PT-44	45x45mm	£2.33
PT-47	45x70mm	£3.41
PT-49	45x95mm	£4.41
PT-77	70x70mm	£5.46
PT-79	70x95mm	£11.11

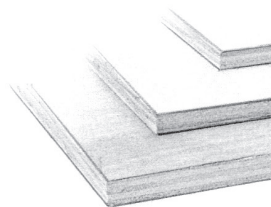
Please order by the number of metres you require. This item will be supplied in random lengths. Should you require a specific number of exact lengths we will be happy to quote for your requirements.

Plywood

Birch Laser Plywood

Birch quality plywood Interior/MR glue/E1 glue line for laser cutting.

Code	Thickness	Nominal Size	Price	Pack size
BLP-11	1.5mm	500x375mm	£3.35	each
BLP-12	1.5mm	500x375mm	£36.17	pk12
BLP-31	3mm	500x375mm	£1.77	each
BLP-32	3mm	500x375mm	£19.13	pk12
BLP-41	4mm	500x375mm	£2.01	each
BLP-42	4mm	500x375mm	£21.75	pk12
BLP-61	6mm	500x375mm	£2.65	each
BLP-68	6mm	500x375mm	£19.05	pk8
BLP-91	9mm	500x375mm	£3.05	each
BLP-96	9mm	500x375mm	£16.51	pk6



Malayan Redwood Plywood

Malayan redwood plywood BB/CC WPB glue line

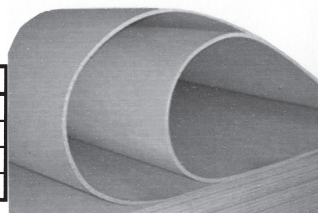
Code	Thickness	Nominal Size	Price	Pack size
MRP-31	3.6mm	1220x610mm	£4.24	each
MRP-32	3.6mm	1220x610mm	£47.04	pk12
MRP-51	5.5mm	1220x610mm	£6.49	each
MRP-58	5.5mm	1220x610mm	£46.74	pk8
MRP-91	9mm	1220x610mm	£9.48	each
MRP-95	9mm	1220x610mm	£42.70	pk5
MRP-11	12mm	1220x610mm	£12.40	each
MRP-14	12mm	1220x610mm	£44.68	pk4

Hardwood One Side Faced Plywood

Code	Thickness	Nominal Size	Type	Price each
H1P-B6	6mm	1220x610mm	Birch	£15.24
H1P-06	6mm	1220x610mm	Oak	£14.79
H1P-A6	6mm	1220x610mm	Ash	£14.64
H1P-S6	6mm	1220x610mm	Sapele	£18.41

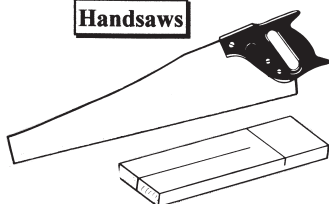
Flexible Bandy Plywood Cross Grain

Code	Thickness	Nominal Size	Price	Pack size
BPW-31	3mm	1220x600mm	£7.42	each
BPW-35	3mm	1220x600mm	£33.39	pk5
BPW-51	5mm	1220x600mm	£9.79	each
BPW-55	5mm	1220x600mm	£44.07	pk5



K&M Saws

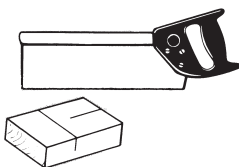
Handsaws



Handsaws produce long straight cuts either along or across a piece of wood, ie. cutting boards and sheet material.

Code	Description	Price each
BFC2210	22" 10pts	£8.12
BFC228	22" 8pts	£9.91

Backsaws



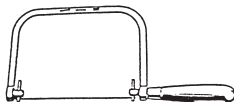
Backsaws produce light, accurate straight cuts either along or across a piece of wood, i.e. general bench work and cutting joints. The back keeps the blade rigid.

Tenon version for general purpose work.

Dovetail version designed for very fine cuts and small sections of timber.

Dovetail	8"	Price each
KMPW818	Brass Backed Beech Handle 20pts	£28.99
Tenon	10"	Price each
KMP1014	Plastic Yellow Handle 13pts	£6.52
776-7102	Plastic Black Handle 14pts	£6.25
KMPW1014	Brass Backed Beech Handle 15pts	£26.12

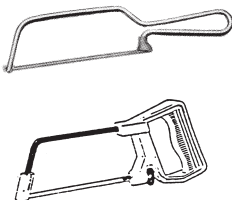
Coping Saw



The slim blade and depth of frame make this saw ideal for cutting curves in timber.

Code	Description	Price each
KMCS150	Coping Saw	£5.35
	Spare Blades	Price per 10
CP7ND	Wood Cutting	£1.97
KMPL24	Plastic/Metal Cutting	£2.10

Junior Hacksaw



Wire frame and shaped wire frame with comfortable moulded handle versions, combined with blades for either wood or metal, make this a versatile saw.

Just the job for small hands

Code	Description	Price each
KMJH150	Wire Frame	£1.15
KMPH150	Moulded Handle	£1.65
	Spare Blades	Price per 10
132ND	Metal Cutting	£1.39
114ND	Wood Cutting	£1.39

A quantity of Tyzac / Spear & Jackson saws available at special prices while stocks last.

Saws

Professional Hacksaw

Die-cast Handle - Adjustable Tubular Frame for 250mm or 300mm blades.



70-20TR £9.82

Professional Hacksaw

Professional Quality for 300mm blades.



4-466-000 £7.48

Handyman Hacksaw

Compact and Strong - Rigid Frame.



70-400R £9.34

Junior Hacksaw

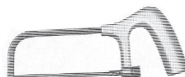
Sheffield Steel Frame - Eclipse Junior Blade.



70-14JR £2.02

Mini Saw

Plastic Handle - Steel Frame - Eclipse Blade.



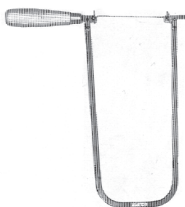
70-675R £6.23

Screw & Nut Set

67502/3T £1.55

Fret Saw

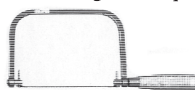
For Fine Cutting Work in thin materials.



70-FS1R £9.34

Coping Saw

For Cutting and Shaping in Wood.



70-CP1R £5.70

Piercing Saw

For precision cutting in thin materials.



70-PS51 £8.25

Replacement Nut & Bolt

RP103A £2.21

General Purpose Saw

Die-cast 9 position Handle - Xylan Coated Blade - Cuts through Wood, Plastic and Soft Metals. Universal Handle.



72-66XR £17.30

Padsaw

Die-cast 2 Position Handle.



70-130R £9.75

Gents Back Saw

Brass Back GSBB6 6" £10.39

GSBB8 8" £11.99

Steel Back GSSB10 10" £7.83



Padsaw (Keyhold)

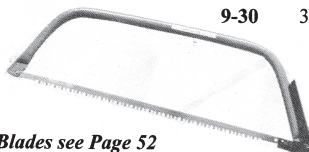
658B £12.80



Log Saw

9-24 24" £9.95

9-30 30" £10.13



For Replacement Blades see Page 52

Wood Saws



B99 Workhorse Handsaw

Universal teeth for General Use - cuts along and across the grain. Precision cross ground teeth for extra sharpness. Skew Back for balance and reduced friction. Cuts timber, chipboard, plywood and other wood based materials. Comfortable wooden handle.

Code	Description	Price
9500R	B99 22"x10pts Handsaw	£18.95
9515K	B99 24"x7pts Handsaw	£21.70

B23 Brass Back Tenon Saw

Universal teeth for General Use and across the grain. Brass Back for rigidity. Used for joint cutting and sawing small pieces of wood and wood based materials. Comfortable wooden handle.

Code	Description	Price
9540B	B23 10"x15pts Tenon Saw	£21.28
9550B	B23 12"x15pts Tenon Saw	£24.13

R52 Professional Tenon Saw

Universal teeth for General Use - cuts along and across the grain. Precision cross ground teeth for extra sharpness. Solid Brass Back for maximum rigidity. Used for joint cutting and sawing small pieces of wood and wood based materials. Comfortable wooden handle with solid brass screws.

Code	Description	Price
5410Y	R52 10"x13pts Tenon Saw	£48.28
5412K	R52 12"x13pts Tenon Saw	£48.99
SHEF	8"x20pts Dovetail Saw	£32.46

Ultima Hardpoint Handsaw

Universal Hardpoint teeth for General Use.

Code	Description	Price
ULT20	20"x8pts Handsaw	£6.57
ULT22	22"x8pts Handsaw	£6.73

Wood Saws



B95 Universal Hardpoint Saw

Universal teeth for General use, cuts along and across the grain for a standard finish. Tough 'suregrip' moulded handle incorporating useful 45/90 degree angle guide. Finger rest for both left and right handed users. Precision cross ground teeth for extra sharpness.

Code	Description	Price
9520B	B95 20"x8pts Hardpoint	£12.50
9522B	B95 22"x8pts Hardpoint	£14.36



B98 Universal Hardpoint Handsaw

A general purpose saw for use across the grain. Fast cut with rapid, clean cutting action. The rigid blade minimises 'whip' and vibration. Comfortable 'suregrip' handle with soft feel ergonomic grip and finger guide for accuracy which also incorporates a useful 45/90 degree angle guide. Ideal for cutting timber, hardwood, chipboard and MDF.

Code	Description	Price
9822B	B98 22"x8pts Handsaw	£8.70



B98 Tenon Saw

Tenon saw giving a fine cut with a smooth, clean cutting action. Solid Steel Back for maximum rigidity. Comfortable 'suregrip' handle with soft feel ergonomic grip and finger guide for accuracy which also incorporates a useful 45/90 degree angle guide. Ideal for cutting out a tenon and cutting pelmets, moulding, dowering, coving, architraves and skirting.

Code	Description	Price
9810B	B98 10"x15pts Tenon Saw	£12.29
9812B	B98 12"x15pts Tenon Saw	£13.89

B94 Universal Hardpoint Tenon Saw

Universal teeth for General Use - cuts along and across the grain. Induction hardened teeth for longer life. Steel back for rigidity. Cuts small pieces of the toughest laminates, chipboard and timber. Suregrip handle styled for comfort.

Code	Description	Price
9410B	B94 10"x15pts Tenon Saw	£12.08

NOBEX[®]

CHAMPION 180



Art. no 808055B

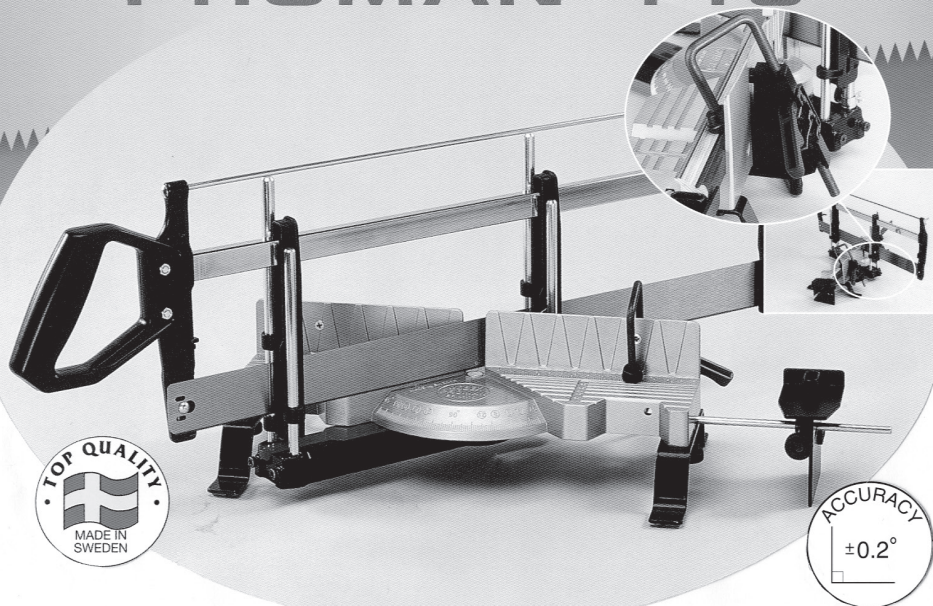
Compound Mitre Saw

- Stepless locking. Locks at any angle between pre-set stops.
- Pre-set locking. Quick and accurate for 4, 5, 6, 8, 12 sided frames and 90° cuts.
- Compound action. Patented technique for easy compound mitre cuts.
- Automatic saw suspension for safe positioning of workpiece.
- Parallel parking. Very useful for safe positioning of workpiece.
- Fast action clamps. Can be mounted in two positions to hold the work piece securely.
- Material support. Makes cutting of longer workpieces easy and more accurate.
- Length stop specially designed for a mitred cut. Maximum length at 45° - 860mm. Optional 1100mm length stop available for maximum 1335mm cut - art.no. 80869.
- Depth-stop. For a pre-set cutting depth.

Code	Description	Price
CH-180	Champion Mitre Saw	£137.50
CH-10	10 Tooth Blade	£9.99
CH-18	18 Tooth Blade	£9.99
CH-24	24 Tooth Blade	£9.99
CH-32	32 Tooth Blade	£9.99

NOBEX[®]

PROMAN 110



Compound Mitre Saw

- Pre-set Locking. Quick and accurate for 4, 5, 6, 8, and 12 sided frames and 90° cuts.
- Compound action. Patented technique for easy compound mitre cuts.
- Automatic saw suspension for safe positioning of workpiece.
- Parallel parking. Very useful for storage and transport.
- Fast action clamps. Can be mounted in two positions to hold the work piece securely.
- Material support. Makes cutting of longer workpieces easy and more accurate.
- Length stop specially designed for a mitred cut. Maximum length at 45° - 730mm. Optional 1100mm length stop available for maximum 1265mm cut - art.no. PRM-11069.

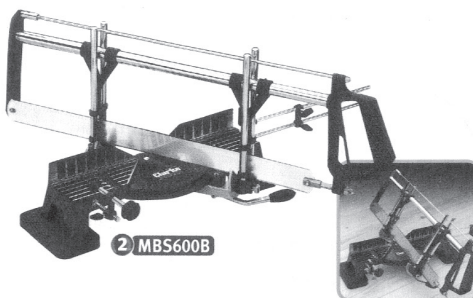
Code	Description	Price
PRM-110B	Proman Mitre Saw	£84.52
RPM-12	12 Tooth Blade	£9.50
RPM-18	18 Tooth Blade	£9.50
RPM-24	24 Tooth Blade	£9.50
RPM-32	32 Tooth Blade	£9.50

Mitre Saws and Tool Sharpening

Compound Mitre Saw

- Depth of cut up to 150mm
- Clearly marked presets on each side of the 90° (square) position are marked 45°, 54°, 60°, 67.5° and 75°
- Table calibrated for width and depth
- Supplied with general purpose 14TPI wood cutting blade, workpiece length guide rod and workpiece securing clamp
- Table Length 400mm
- Blade Length 600mm
- Workpiece Capacity Height 150mm Depth 170mm
- Overall Size 730 x 730 x 300mm
- Weight 4.5Kg

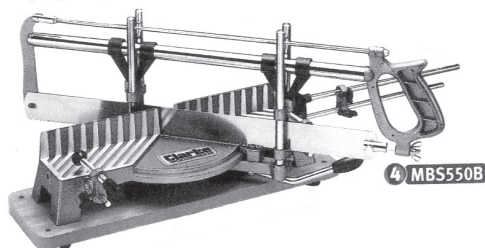
Code	Description	Price each
MBS600B	Mitre Saw	£28.95
6470175	Spare Blade	£9.40



Precision Mitre Saw

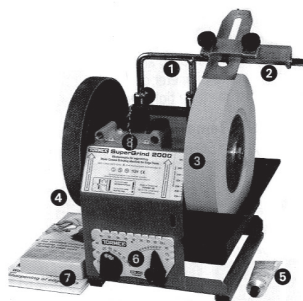
- Depth of cut up to 120mm
- Clearly marked presets on each side of the 90° (square) position are marked 22.5°, 30°, 36° and 45°
- Supplied with general purpose 14TPI wood cutting blade, workpiece length guide rod and workpiece securing clamp
- Table Length 400mm
- Blade Length 550mm
- Overall Size 740 x 650 x 270mm
- Weight 4.5Kg

Code	Description	Price each
MBSS50B	Mitre Saw	£19.99
6470064	Spare Blade	£8.65



Tormex

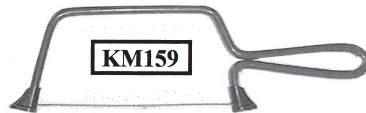
The complete water cooled sharpening and honing system for edge tools.



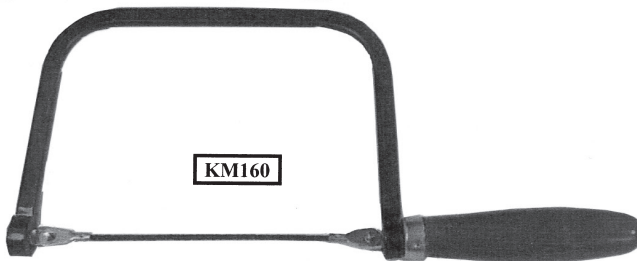
Code	Description	Price
T-4	Machine inc. straight edge jig, angle master and handbook.	£284.95
SVD-110	Toolrest	£22.95
SVM-45	Knife Jig Short	£25.95
SVX-150	Scissors Jig	£35.95
SVS-50	Multi Jig	£42.95
TT-50	Stone Truing Tool	£55.95
SP-650	Stone Grader	£18.25
MH-380	Machine Cover	£15.25

Abrasive Frames & Blades

Code	Description	Price
KM159	Abrasive Saw Frame 150 x 60mm	£2.02
KM159SB1	Pack of 10 Blades	£7.50
KM159SB5	Pack of 50 Blades	£35.00
250111	Spare Rubber Boot	£0.30



Code	Description	Price
KM160	Abrasive Frame 150 x 120mm	£3.60
KM160SB10	Pack of 10 Blades	£9.90
KM160SB50	Pack of 50 Blades	£43.00

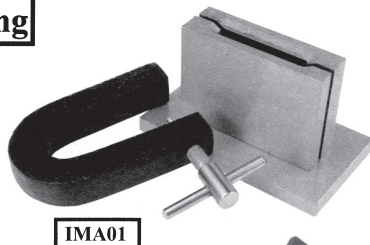


Casting

Ingot Mould

A great way to use up your scrap material

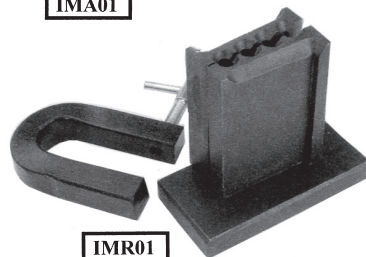
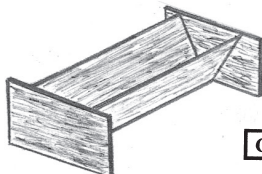
Code	Description	Price
IMA01	Adjustable Ingot Mould	£17.50
IMR01	Reversible Ingot Mould	£26.25



Casting Block

Triple cavity, cast iron.

Code	Description	Price
CB01	Casting Block	£14.80



Jigsaw Blades

Black & Decker
Hitachi
Ryobi



85mm
CV Wood Coarse Cutting
2300 **£1.41**



85mm
CV Wood Smooth Cutting
2301 **£1.41**



45mm
CV Wood Soft Metals
Curve Cutting
2303 **£1.82**



75mm
HSS Wood, Chipboard,
Laminates, Plastic.
2305 **£3.55**



70mm
HSS Mild Steel,
Non-Ferrous Metal.
2307 **£2.33**



70mm
HSS Thin Ferrous Metal
2308 **£2.33**



56mm
Tungsten Carbide Coated
for Ceramics
2309 **£5.06**

AEG
Bosch
Metabo
Flu



70mm
CV Wood Coarse Cutting
2310 **£1.82**



70mm
CV Wood Smooth Cutting
2311 **£1.82**



55mm
CV Wood Soft Metals
Curve Cutting
2313 **£1.82**



70mm
HSS Wood, Chipboard,
Laminates, Plastic.
2315 **£3.74**



70mm
HSS Mild Steel,
Non-Ferrous Metal.
2317 **£2.51**



70mm
HSS Thin Ferrous Metal
2318 **£2.51**



55mm
Tungsten Carbide Coated
for Ceramics
2319 **£5.06**

Makita



70mm
CV Wood Coarse Cutting
2330 **£1.82**



70mm
CV Wood Smooth Cutting
2331 **£1.82**



55mm
CV Wood Soft Metals
Curve Cutting
2333 **£1.91**



65mm
HSS Wood, Chipboard,
Laminates, Plastic.
2336 **£3.72**



65mm
HSS Mild Steel,
Non-Ferrous Metal.
2335 **£3.53**



65mm
HSS Thin Ferrous Metal
2338 **£3.53**



50mm
Tungsten Carbide Coated
for Ceramics
2339 **£5.19**

Discontinued by the Manufacturer

Cutting Discs

Flat	Price
4" x 5/8" Bore	£2.08
4 1/2" x 7/8" Bore	£2.23
5" x 7/8" Bore	£2.48
7" x 7/8" Bore	£2.65
9" x 7/8" Bore	£3.92
12" x 7/8" Bore	£5.42
12" x 3/4" Bore	£5.43
Depressed Centre	
4" x 5/8" Bore	£2.10
4 1/2" x 7/8" Bore	£2.25
5" x 7/8" Bore	£2.50
7" x 7/8" Bore	£2.70
9" x 7/8" Bore	£3.95

Grinding & Cutting Discs

Please State Use - METAL or STONE

Grinding Discs

Depressed Centre	Price
4" x 3/16" x 5/8" Bore	£2.35
4 1/2" x 1/4" x 7/8" Bore	£2.51
5" x 1/4" x 7/8" Bore	£2.81
7" x 1/4" x 7/8" Bore	£3.18
9" x 1/4" x 7/8" Bore	£5.20



Hole Saws

Bi-metal Hole Saw Set

6 Bi-metal hole saws. Diameters 18, 20, 25, 32, 40 & 51mm, with two arbors.



Code	Price
BMHS3220	£19.98

Hole Saw Set - Large

6 special steel hole saws. Diameters 50, 60, 65, 72, 75 & 86mm. Pilot drill, arbor & hex keys.



Code	Price
HL595745	£15.05

Hole Saw Set - Small

7 special steel hole saws. Diameters 21, 25, 29, 38, 44, 51, 64mm, 6mm pilot drill arbor & hex key.

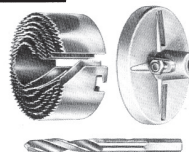


Code	Price
HS633479	£7.26

Hole Saw Kit - Standard

7 blade. Sizes 26,32,38,45,50,56 & 63mm

Code	Price
HK2160	£4.28

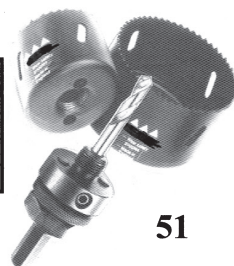


Hole Saws High Speed Steel (Welded Edge)

Code	D	Price	Code	D	Price	Code	D	Price	Code	D	Price
AM140	14	£5.30	AM350	35	£6.83	AM590	59	£8.30	AM950	95	£12.37
AM160	16	£3.99	AM370	37	£6.83	AM600	60	£8.30	AM980	98	£12.84
AM190	19	£3.99	AM380	38	£6.83	AM640	64	£8.65	AM1020	102	£13.20
AM200	20	£3.99	AM400	40	£6.98	AM650	65	£8.95	AM1050	105	£13.81
AM210	21	£3.99	AM410	41	£7.07	AM670	67	£9.11	AM1080	108	£17.22
AM220	22	£3.99	AM430	43	£7.28	AM700	70	£9.20	AM1110	111	£18.86
AM240	24	£4.48	AM440	44	£7.35	AM730	73	£9.59	AM1140	114	£20.38
AM250	25	£5.13	AM460	46	£7.35	AM760	76	£9.78	AM1210	121	£23.67
AM270	27	£5.30	AM480	48	£7.35	AM790	79	£10.89	AM1270	127	£26.79
AM290	29	£5.67	AM510	51	£7.35	AM830	83	£11.36	AM1330	133	£28.56
AM300	30	£6.25	AM520	52	£7.56	AM860	86	£11.55	AM1400	140	£30.28
AM320	32	£6.25	AM540	54	£7.80	AM890	89	£11.95	AM1460	146	£32.37
AM330	33	£6.28	AM570	57	£8.22	AM920	92	£12.13	AM1520	152	£34.47

Arbors

Code	For Chuck	Fits Saw	Shank	Price each
AM0	6mm/1/4"	AM140-AM300	1/4" Hex	£3.78
AM1	12.5mm/1/2"	AM140-AM300	7/16" Hex	£4.23
AM2	12.5mm/1/2"	AM320-AM1520	7/16" Hex	£8.46
AM3	19mm/3/4"	AM320-AM1520	9/16" Hex	£9.66



Saw Blades

Hacksaw Blades Hand

Low Alloy Flexible			Price	
Code	Size	TPI	per 10	per 100
AM25L	250x13	18	£4.52	£42.94
AM26W	250x13	24	£4.54	£43.13
AM45W	300x13	18	£4.81	£45.70
AM46B	300x13	24	£4.82	£45.79
AM47X	300x13	32	£4.83	£45.89

Bimetal HSS			Price	
Code	Size	TPI	per 10	per 100
AA3025G	250x13	18	£14.87	£141.27
AA3027V	250x13	32	£14.91	£141.65
AA3045E	300x13	18	£15.18	£144.21
AA3046V	300x13	24	£15.20	£144.40
AA3047R	300x13	32	£15.23	£144.69

All Hard HSS			Price	
Code	Size	TPI	per 10	per 100
AE3025W	250x13	18	£14.94	£141.93
AE3026B	250x13	24	£14.96	£142.12
AE3002W	250x13	32	£14.98	£142.31
AE3045B	300x13	18	£15.27	£145.07
AE3046X	300x13	24	£15.29	£145.26
AE3047K	300x13	32	£15.31	£145.46

Power Blades

Bimetal HSS			Price	
Code	Size	TPI	each	per 10
AA203K	300x25	10	£5.31	£51.51
AA204C	300x25	14	£5.32	£51.60
AA223C	350x25	10	£6.18	£59.95
AA224J	350x25	14	£6.20	£60.14
AA342X	350x32	6	£8.43	£81.77
AA343K	350x32	10	£8.44	£81.87
AA352V	400x32	6	£9.63	£93.41
AA353R	400x32	10	£9.64	£93.51

All Hard HSS			Price	
Code	Size	TPI	each	per 10
AE144N	300x16	14	£2.43	£23.57
AE145L	300x16	18	£2.44	£23.67
AE203V	300x25	10	£5.16	£50.05
AE204R	300x25	14	£5.17	£50.15
AE223R	350x25	10	£5.99	£58.10
AE224H	350x25	14	£6.00	£58.20
AE342E	350x32	6	£8.30	£80.51
AE343V	350x32	10	£8.31	£80.61
AE344R	350x32	14	£8.32	£80.70
AE352X	400x32	6	£9.40	£91.18
AE353K	400x32	10	£9.41	£91.28
AE354C	400x32	14	£9.42	£91.37

Other Blades

Junior		Price	
Code	Length	per 10	per 100
132ND	Metal 150	£1.39	£13.17
114ND	Wood 150	£1.39	£13.17

Coping		Price	
Code	Length	per 10	per 100
CP7ND	Wood 14 teeth 165	£1.97	£19.15
KMPL24	Plastic/Metal 24 Teeth 165	£2.10	£20.50

Fretsaw			Price	
Code	TPI	Length	per 10	per 100
FS32	32	125	£3.35	£31.80
FS22	22	125	£3.35	£31.80
FS18	18	125	£3.35	£31.80
FS16	16	125	£3.35	£31.80
FS10	10	125	£3.35	£31.80

Piercing			Price	
Code	TPI	Length	per 10	per 100
PS80	80	125	£3.36	£31.95
PS60	60	125	£3.36	£31.95
PS52	52	125	£3.36	£31.95
PS44	44	125	£3.36	£31.95
PS32	32	125	£3.36	£31.95

Padsaw			
Code	Length	Price each	
100ND	Wood 180	£4.89	
240ND	Metal 180	£4.89	
230ND	Wood/Metal 180	£4.89	

Bowsaw		
Code	Length	Price each
115	300	£3.75

Logsaw		
Code	Length	Price each
3921W	21"	£3.68
3924W	24"	£4.66
3930H	30"	£5.00

See Page 144 for SCROLL SAW BLADES



Saw Blades & Planer Knives

Bandsaw Blades

Carbon Steel - in Welded Bands. Available with the following teeth: **4 6 10 14 18 24 32**
Please specify exact length, width and tooth required: e.g. 1 x 9'4" long ½" wide 6 tooth.

Length		Width					
Over	Up to	1/4"	3/8"	1/2"	5/8"	3/4"	1"
0	8ft	£8.16	£8.49	£8.84	£11.21	£12.71	£14.58
8ft	9ft	£8.71	£9.08	£9.50	£12.04	£13.62	£15.75
9ft	10ft	£9.27	£9.68	£10.14	£12.89	£14.48	£16.87
10ft	11ft	£9.85	£10.32	£10.78	£13.69	£15.44	£18.03
11ft	12ft	£10.40	£10.89	£11.40	£14.54	£16.37	£19.19
12ft	13ft	£10.93	£11.50	£12.04	£15.37	£17.30	£20.34
13ft	14ft	£11.50	£12.08	£12.70	£16.20	£18.21	£21.47
14ft	15ft	£12.04	£12.70	£13.32	£17.03	£19.12	£22.64

See Page 142 for BURGESS BLADES

Bandsaw Blade (Coils)

Blade Size	Teeth	Length Coil	Price
1/4" x 0.025	4 6 10 14 18 24 32	100ft	£58.92
3/8" x 0.025	4 6 10 14 18 24	100ft	£63.45
1/2" x 0.025	4 6 10 14 18 24	100ft	£71.37
5/8" x 0.032	4 6 10 14 18	100ft	£89.24
3/4" x 0.032	4 6 10 14	100ft	£97.12

Circular Saw Blades

Tungsten Carbide Tipped.

Please specify Diameter, teeth and bore. e.g. 1 x 10" diameter 42 tooth 5/8" bore.

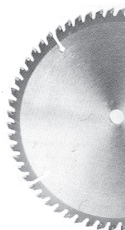
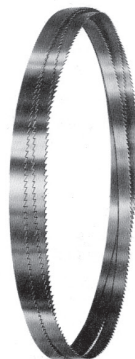
Size	Ripping		X Cut GP		Ply/Block/Chip		Plastic Laminates	
	Teeth	Price	Teeth	Price	Teeth	Price	Teeth	Price
8"	20	£37.85	36	£43.03	48	£46.52	64	£59.57
9"	24	£39.95	40	£46.04	54	£46.93	72	£63.18
10"	24	£42.13	42	£49.65	60	£51.28	80	£67.71
12"	32	£48.16	48	£57.30	72	£66.80	96	£82.75
14"	36	£53.86	60	£64.67	84	£74.64	108	£99.02
16"	40	£58.70	72	£75.21	96	£81.37	120	£106.55

Machine Knives (Planer)

High Speed Steel Priced Each - Normally Ordered in Balanced Pairs.

Please specify whether you require plain or slotted shank.

Plain	Size	Price each	Slotted	Size	Price each
MK502	12¼x1x1/8"	£33.42	MK772	9¼x1.9/16x1/8"	£40.15
MK633	9¼x1¼x1/8"	£24.86	MK774	12.1/8x15/16x1/8"	£38.75
MK634	12¼x1x1/8"	£29.89	MK775	12¼x1.9/16x1/8"	£42.01
MK635	12¼x1¼x1/8"	£32.57	MK776	12¼x1¼x1/8"	£42.01
MK636	12½x1¼x1/8"	£33.53	MK777	16¼x1.9/16x1/8"	£53.17
MK637	16¼x1¼x1/8"	£42.18			



Engineers' Files

Prices each				
Length				
4"	6"	8"	10"	12"

Flat Taper



Bastard	£2.43	£2.66	£3.25	£4.10	£5.53
Second	£2.47	£2.73	£3.33	£4.31	£5.25
Smooth	£2.73	£2.88	£3.47	£4.34	£5.95

Hand (Parallel)



Bastard	£1.89	£2.35	£2.78	£4.16	£5.32
Second	£2.02	£2.73	£2.87	£4.59	£5.40
Smooth	£2.32	£2.90	£3.34	£4.89	£7.45

Half Round



Bastard	£3.51	£3.73	£4.70	£5.64	£7.45
Second	£3.82	£3.75	£4.81	£5.69	£7.74
Smooth	£3.88	£5.23	£5.96	£6.61	£8.89

Round



Bastard	£2.42	£2.58	£3.02	£3.53	£4.82
Second	£2.44	£2.71	£3.21	£3.89	£5.07
Smooth	£2.50	£2.81	£3.61	£4.14	£5.42

Square



Bastard	£2.62	£2.66	£3.51	£4.22	£5.81
Second	£2.90	£2.94	£3.74	£4.44	£6.30
Smooth	£3.07	£3.42	£4.10	£5.31	£6.99

Three Square



Bastard	£2.91	£3.05	£3.62	£4.42	£7.10
Second	£2.97	£3.11	£3.81	£5.08	£7.48
Smooth	£3.33	£3.39	£4.07	£6.08	£8.20

Knife









Bastard	-	£4.80	£6.33	£7.34	-
Second	-	£5.05	£6.76	£7.79	-
Smooth	-	£5.86	£7.19	-	-







Warding



Bastard	-	£3.91	£4.40	-	-
Second	-	£3.11	£4.17	-	-
Smooth	-	£3.84	£5.28	-	-

Needle Files

Price each 16cm		
Round		£1.92
Half Round		£2.19
Three Square		£2.03
Crossing=Oval		£2.32
Knife		£2.05
Flat/Warding		£2.03

Price each 16cm		
Square		£1.98
Barrette		£1.92
Round Edge Joint		£2.04
Hand=Equalling		£1.98
Slitting		£2.05
Pippin		£2.14

Sets of Needle Files

10cm	Set of 10	£8.44
16cm	Set of 6	£11.07

16cm	Set of 12	£22.70
14cm	Set of 5 Diamond	£7.03

Saw Files

Millsaw



Prices each

One Round Edge

Length		
	10"	
		£12.15

Double Ended



Standard

Length		
	6"	
		£5.70

Taper Saw



Length			
	4"	6"	8"
Regular	£3.33	£4.07	£4.59
Slim	£3.33	£4.07	
Extra Slim	£3.33	£4.07	

Rasps



Avenfilemaster



		Price each		
		Length		
		8"	10"	12"
Cabinet	Regular	£13.55	£13.95	-
	Bastard	£6.47	£10.01	£13.46
Flat	Second	£7.44	£10.77	£14.77
	Bastard	£8.16	£9.10	£11.70
Half Round	Second	£7.78	£10.10	£12.42
	Smooth	-	-	£13.11
Round	Bastard	£7.66	£9.57	£14.33
	Second	£11.45	£12.25	£14.65

Size	Half Round	Flat
10"	£27.69	£27.59

Milled Tooth Dreadnought		
Size	Hand	Half
	(Standard)	(Standard)
8"	£7.91	£7.99
10"	£8.49	£8.90
12"	£10.91	£11.07

Handles

Hammer Handles (Ash)

Joiners



Code	Size	Fit	Price
WP84711A	11"	6-8oz	£2.32
WP84712A	12"	10-12oz	£2.47
WP84714A	14"	14-16oz	£2.88

Engineers

Code	Size	Fit	Price
WP84111A	11"	4oz	£2.32
WP84112A	12"	8oz	£2.66
WP84113A	13"	12-16oz	£2.88
WP84116A	16"	2lb	£3.62

Other Handles

Code	Type	Size	Fit	Price
WP88613A	Pin	13"	4 oz	£2.67
WP81510A	Club/ Lump	10"	2-4 lb	£2.88
WP85413H	Claw	14"	16-20oz	£4.17

Wedges

Size		Price each
No 1	12mm	£0.25
No 2	15mm	£0.27
No 3	18mm	£0.33
No 4	22mm	£0.38



Fibre Grips

Code	Size		Price per pair
W-72030	3"	75mm	£8.01
W-72040	4"	100mm	£11.41
W-72045	4½"	115mm	£12.29
W-72050	5"	125mm	£13.29
W-72060	6"	150mm	£13.94



Plain wood File Handles

Code	Size	Price	
		per 10	per 100
WP89603	3"	£4.81	£46.25
WP89604	4"	£5.46	£52.50
WP89605	5"	£7.15	£68.75
WP89606	6"	£7.80	£74.99



Chuck Handle

Interchangeable handle for Swiss/Needle files.

Code		Price each
124	Pin Vice	£11.41

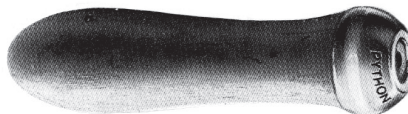


Safety Handles for Files

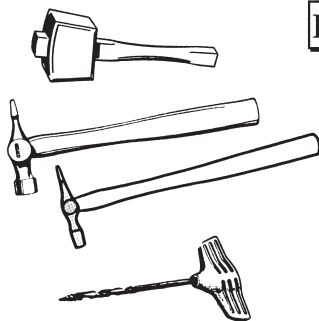
Handle Selection for Files - to be used as a guide only.

Code	Size			Length of Handle		Price	
		Inches	mm	Inches	mm	per 10	per 100
WP89613	0	3-6	75-150	3	75	£7.28	£69.99
WP89614	1	6-10	150-250	4¼	108	£8.45	£81.25
WP89615	2	10-14	250-350	5	126	£10.27	£98.75
WP89616	3	14-16	350-400	5½	140	£11.96	£114.99

Handle selection should be governed not only by size of handle to file length, but should also allow for adequate drive fit of the tang into the handle, as a guide see above.



K & M Choice



Mallet

K&M 3½"

Price each
£6.25

Hammers

4oz Pin Hammer

£5.84

8oz General Purpose Hammer

£6.25

Gimlets

Just the job for those small holes.

4mm

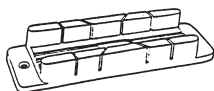
£1.03

4.5mm

£1.07

6mm

£1.40



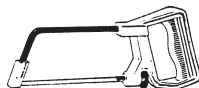
Mitre Boxes

Plastic Mini Mitre Box

£1.40

Plastic Midi Mitre Box

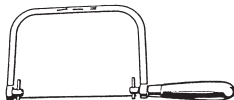
£1.85



Junior Hacksaw

(Closed Handle)

£1.65



Coping Saw

KMCS150

£5.35



Square

100mm Carpenters Square

£4.99

Hand Sander

Firm Grip Rubber Sole Plate

£2.10



Miniature Pliers

Code

10-615 5" Bent Nose Pliers

£2.80

10-625 5" Needle Nose Pliers

£2.80

10-645 4½" End Nipper Pliers

£2.80

10-655 4½" Diagonal Cutter Pliers

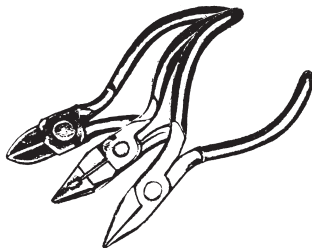
£2.80

10-665 5" Long Nose Pliers

£2.80

10-675 5" Linesman Pliers

£2.80



Rules

Stainless Steel Satin Chrome Finish

Metric one side/Imperial reverse.

300mm

£4.38

150mm

£2.38



Stanley Screwdriver Sets

Cushion Grip Sets

Cushion grip screwdriver sets with corrosion resistant, high grade chrome plated steel bars - reduces the chance of tip breakage.

Large diameter soft-grip handles with smooth domed end for excellent torque, fast spinning action and comfort use. Tip identification in the handle to match the right screwdriver to screw type.

Magnetic tips for easy pick-up and screw location.

STA065013

Price £12.82

4 Piece set	Containing
Parallel	6.5mm x 100mm
Flared	5.5mm x 100mm
Phillips	PH1 x 100mm PH2 x 150mm



STA065007

Price £16.23

6 Piece set	Containing
Parallel	6.5mm x 200mm
Flared	3.0mm x 75mm (Instrument) 5.0mm x 100mm 6.5mm x 150mm
Phillips	PH1 x 75mm PH2 x 150mm



STA065011

Price £19.71

8 Piece set	Containing
Flared	3.0mm x 75mm (Instrument) 5.0mm x 100mm 6.5mm x 45mm (Stubby) 6.5mm x 150mm
Phillips	PH0 x 50mm PH1 x 100mm PH2 x 45mm (Stubby) PH2 x 150mm



STA564977

Price £22.25

10 Piece set	Containing
Flared	3.0mm x 75mm (Instrument) 5.0mm x 100mm 6.5mm x 45mm (Stubby) 6.5mm x 150mm 8.0mm x 150mm
Phillips	PH1 x 50mm (Stubby) PH1 x 100mm PH2 x 45mm (Stubby) PH2 x 100mm PN3 x 150mm



Stanley Screwdriver Sets

Fat Max Sets

Superior chrome vanadium steel allows for huge torque and reduces the chance of tip breakage.

Large diameter handle offers great torque needed for driving woodscrews.

Soft grip handle perfect combination of great grip plus reduces fatigue.

Handle moulded direct to bar virtually unbreakable bond. Highly reliable and providing extra long life.

Smooth domed and colour coded end for fast spinning action - speed and comfort - easy identification of the "right" screwdriver for each screw.

STA562573 VDE Insulated

Price £32.70

10 Piece set	Containing
Parallel	2.5mm x 50mm 3.5mm x 75mm 5.5mm x 150mm
Phillips	PH0 x 75mm PH1 x 100mm PH2 x 125mm
Pozi	PZ0 x 75mm PZ1 x 100mm PZ2 x 125mm
Volt	Voltage Tester



STA565427

Price £32.60

10 Piece set	Containing
Parallel	3.0mm x 100mm 4.0mm x 100mm 5.5mm x 150mm 6.5mm x 30mm (Stubby)
Flared	4.0mm x 100mm 8.0mm x 150mm
Pozi	PZ0 x 75mm PZ1 x 100mm PZ1 x 30mm (Stubby) PZ2 x 125mm



STA565426

Price £33.70

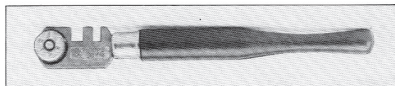
12 Piece set	Containing
Parallel	2.5mm x 50mm 4.0mm x 100mm 5.5mm x 150mm 6.5mm x 30mm (Stubby)
Flared	5.5mm x 100mm 8.0mm x 150mm
Phillips	PH0 x 75mm PH1 x 100mm PH2 x 125mm
Pozi	PZ0 x 75mm PZ1 x 100mm PZ2 x 125mm



Screwdriver Sets

Glass Cutter

Code		Price
9130	6 Wheel Glass Cutter on Blistercard	£2.29



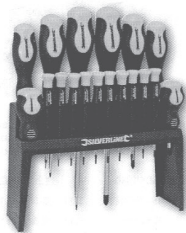
Mains Testing Screwdriver

Code		Price
MT200	Mains Testing Screwdriver	£1.38



Soft-Grip Screwdriver Set

Code	Blade	Price
633940	Contains 18 Screwdrivers, 8 standard screwdrivers, 4 slotted & 4 pozi. 10 precision phillips & Torx	£14.40

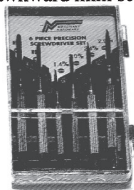


Radio/Model Makers Screwdriver

Code	Blade	Price
100-128	60mm blade	£0.21
100-129	100mm blade	£0.25

Jewellers Screwdrivers

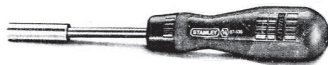
A set of 6 Jewellers Screwdrivers ideal for those very awkward mini screws.



Price per Set: £1.95

1/4" Hex Bit Holder - Magnum

Code	Size	Price
1-67-537	200mm	£6.75



1/4" Hex pozidriv Bits

Code	Size	Price
1-68-945	1x25mm	£0.61
1-68-949	2x25mm	£0.61
1-68-953	3x25mm	£0.61



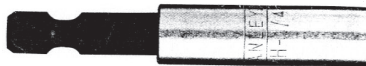
1/4" Hex Phillips Bit

Code	Size	Price
1-68-942	1x25mm	£0.60
1-68-946	2x25mm	£0.60
1-68-950	3x25mm	£0.60



Magnetic Bit Holder

Code	Size	Price
0-68-732	60mm	£3.56



Screwdrivers

12 piece Screwdriver Set

Code	Size	Price
SC8400	12 piece set	£17.58



Turbo Twist Screwdrivers



Code	Slotted Flared Tip	Price
316754	5.0 x 75mm	£1.41
117663	6.0 x 100mm	£1.52
306436	8.0 x 150mm	£2.10
991862	9.5 x 200mm	£2.28



Code	Slotted Parallel Tip	Price
324786	3.2 x 75mm	£1.28
465990	3.2 x 100mm	£1.45
686142	5.0 x 100mm	£1.49
367973	5.0 x 150mm	£1.71

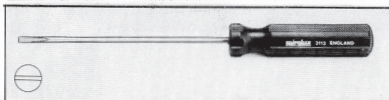


Code	Pozidrive Tip	Price
509109	No 0 x 63mm	£1.20
486942	No 1 x 75mm	£1.44
969738	No 2 x 100mm	£1.53
794326	No 3 x 150mm	£2.33



Code	Phillips Tip	Price
283005	No 0 x 75mm	£1.18
941861	No 1 x 75mm	£1.47
947601	No 2 x 100mm	£1.52
398776	No 3 x 150mm	£2.40

Engineers' Handle

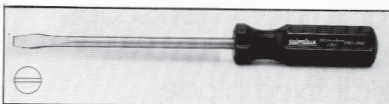


Electricians' Round-Parallel Tip

Code	Description	Price
31-3	75mm(3") 5mm(3/16")	£1.58
31-4	100mm(4") 5mm(3/16")	£1.66
31-6	150mm(6") 5mm(3/16")	£1.99
31-8	200mm(8") 5mm(3/16")	£2.14
31-10	250mm(10") 5mm(3/16")	£2.38

Electricians' Round-Insulated Parallel Tip

Code	Description	Price
32-3	75mm(3") 5mm(3/16")	£1.74
32-4	100mm(4") 5mm(3/16")	£1.83
32-8	200mm(8") 5mm(3/16")	£2.30
32-10	250mm(10") 5mm(3/16")	£2.62



Engineers' Round-Flared Tip

Code	Description	Price
33-4	100mm(4") 6mm(1/4")	£2.22
33-6	150mm(6") 6mm(1/4")	£2.38

Engineers' Round-Crosspoint

Code	Description	Price
34-CH1	Chubby No 1 Point	£1.25
34-CH2	Chubby No 2 Point	£1.46

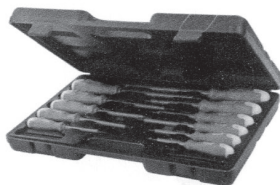
Screwdrivers

Screwdriver Sets



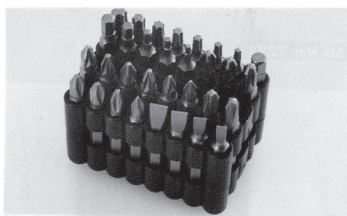
Code		Price
8106	6 piece Screwdriver Set	£7.89

Contains: Flared Slotted: 38x6mm, 75x5mm,
100x6mm, 150x8mm, 200x9mm,
250x9.5mm.



Code		Price
8108	11 piece Cushion Grip Screwdriver Set	£10.24

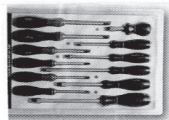
Contains: Slotted: 2.5x75mm, 3x100mm, 4x100mm,
5x125mm, 6x150mm, 8x175mm
Phillips: 0x60mm, 0x75mm, 1x80mm,
1x100mm, 2x100mm



Code		Price
2233	33 piece x 50mm Power Bit Set	£6.55

Contains: Slotted: 3, 4, 5, 6 and 7mm
PH0 x 1, PH1 x 2, PH2 x 3, PH3 x 2
PZ1 x 2, PZ2 x 3, PZ3 x 2
HEX: 2, 2.5, 3, 4, 5, 6mm
TRX: T10, T15, T20, T25, T30, T40
Bit Holder

Turbo Twist Assorted 12 Piece



Code	12 Assorted Set	Price
675118	3 Flared 6 Pozi Slotted 3 Parallel	£13.00

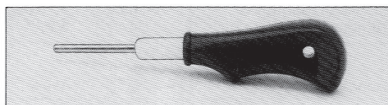
Brad and Nail Drivers

Brad Driver

Code	Description	Size	Price
9180	Pistol-grip	Up to 2.5mm	£8.85

Nail Driver

Code	Description	Size	Price
9185	Pistol-grip	Up to 4mm	£8.95



Cabinet Scrapers

Description	Price
Rectangular	
100 x 50mm	£3.33
125 x 62mm	£3.74
150 x 62mm	£5.68
Hollow	£6.14
Gooseneck	£6.45



De-burring tool (with HSS Blade)

Code	Description	Price
9350	De-burring tool for scraping trimming or chamfering, with swivelling HSS blade.	£6.96
79DA1	Replacement blade	£2.56



Screwdrivers

Cabinet Handle Slotted

Code	Size	Blade	Price
8151	100mm	5mm	£1.36
8160	150mm	6mm	£1.64
8162	200mm	8mm	£2.55
1-66-506	5006/6"	8mm	£2.89



1-66-583	5008/3"	5mm	£1.78
----------	---------	-----	-------



Cabinet Beech Screwdrivers

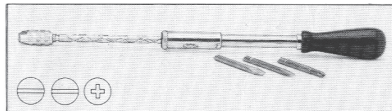
Code	Size / Blade Length	Price
CHT180	3" / 75mm	£5.84
CHT181	4" / 100mm	£5.88
CHT182	5" / 125mm	£6.70
CHT183	6" / 150mm	£6.76
CHT184	8" / 205mm	£9.22



Spiral Ratchet

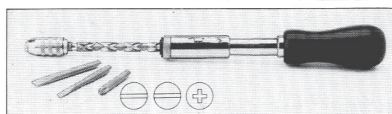
Code		Price
7130	500mm (20")	£18.22

Supplied in a plastic wallet with three types of interchangeable blade: 5.5mm (7/32"), 7mm (9/32") and No 2 Crosspoint.



Code		Price
7135	350mm (14")	£16.70

Supplied in a plastic wallet with three types of interchangeable blade: 4mm (5/32"), 5.5mm (7/32") and No 2 Crosspoint.



Flared Tip Slotted

Code	Size	Price
0-64-916	5 x 100mm	£2.65
0-64-919	6.5 x 150mm	£3.57
0-64-921	8 x 150mm	£3.95
0-64-922	10 x 200mm	£4.47



Pozidrive Series

Code	Size	Price
0-64-952	0 Pt	£2.08
0-64-955	1 Pt	£2.52
0-64-974	2 Pt	£3.17
0-64-976	3 Pt	£3.82
1-67-461	1 Pt Stubby	£2.99
1-67-482	2 Pt Stubby	£3.99



Phillips Series

Code	Size	Price
0-64-930	0 Pt	£2.07
0-64-933	1 Pt	£2.92
0-64-941	2 Pt	£3.25
0-64-949	3 Pt	£3.70



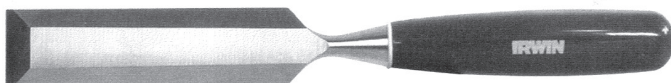
Bradawls

Size	Price
1"	£4.45
1½"	£4.65



Wood Chisels

M444 Bevel Edge & M333 Firmer Blue Chip Type Handle



	Size	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"
M444 Bevel Edge	Price	£6.77	£5.75	£5.85	£6.02	£6.32	£6.71	£7.37	£8.81
M444 Set of 4 (1/4, 1/2, 3/4 & 1") £25.77									
M333 Firmer	Price	-	£5.48	-	-	£7.41	£6.41	£7.35	£9.70

Irwin Marples Record M373 Splitproof Bevel Edge



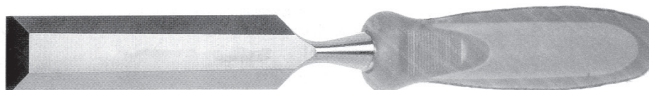
	Size	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"
M373 Bevel Edge	Price	£19.52	£15.87	£16.49	£16.59	£17.55	£17.96	£19.04	£23.96
Special M373 Boxed set of 6 (1/4, 3/8, 1/2, 3/4, 1 & 1.1/4") £99.99									

Irwin Marples Record M750 Splitproof Bevel Edge



	Size	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"
M750 Bevel Edge	Price	£13.33	-	£11.66	-	-	-	-	-
M750 Set of 5 (1/4, 3/8, 1/2, 3/4 & 1") £59.80									

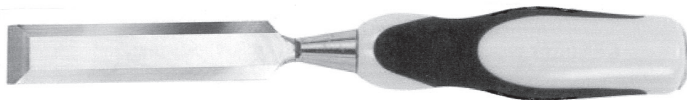
K & M BESJ Bevel edge (With Strike Cap)



	Size	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"
BESJ Bevel Edge	Price	-	£5.98	-	£6.80	-	£7.65	£8.08	-
BESJ Set of 4 (1/4, 1/2, 3/4, & 1") £21.00									

Wood Chisels

Stanley Dynagrip Bevel Edge



Size(mm)		6	8	10	12	18	20	25	32
Dynagrip	Price	£6.48	£6.49	£6.55	£6.97	£7.51	£7.68	£8.63	£10.78
5-16-418 Set of 3 (12, 18 & 25mm)		£17.45		5-16-419 Set of 5 (6, 12, 18, 25 & 32mm)				£28.77	

Stanley Fatmax Bevel Edge



Size(mm)		6	8	10	12	18	20	25	32	
Fatmax Bevel Edge	Price	£9.38	£9.64	£9.65	£9.86	£10.81	£11.04	£12.20	£13.18	
5-12-268 Set of 3 (12, 18 & 25mm)		£30.98		5-12-269 Set of 5(6, 12, 18, 25 & 32mm)						£50.72

Registered Pattern Mortice Chisels



Size(inch)		1/4	5/16	3/8	1/2	5/8	3/4	1	1.1/4	1.1/2
Mortice	Price	£16.86	£17.25	£17.75	£17.99	£19.65	£19.88	£21.83	£22.64	£24.55
MORTC4 Set of 4 (1/4, 5/16, 3/8 & 1/2")		£62.99								

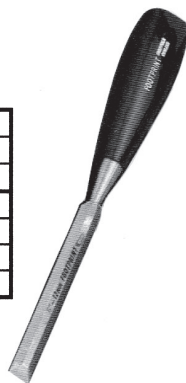
While Stock Last Specials

Bevel Edge

Stanley	
Size	Plastic *
4mm	£4.86
14mm	£5.98
18mm	£5.95
22mm	£5.90



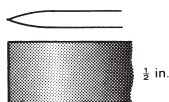
Footprint	
	Plastic
Size	85*
1/8"	£10.74
1/4"	£8.42
1/2"	£8.84
5/8"	£9.15



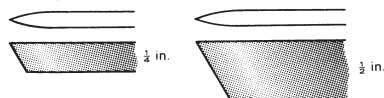
*Denotes Only Available While Stocks Last

Wood Carving Tools

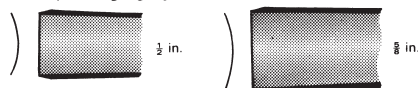
No. M1, Square chisel 1/2".



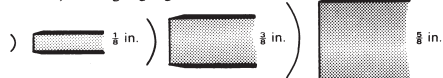
No. M2, Skew chisel 1/4" and 1/2".



No. M5, Straight gouge 1/2" and 5/8".



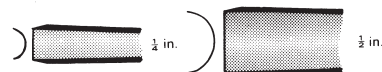
No. M6, Straight gouge 1/8", 3/8" and 5/8".



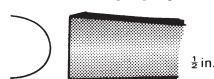
No. M7, Straight gouge 1/4".



No. M8, Straight gouge 1/4" and 1/2".



No. M11, Straight gouge 1/2".



No. M14, Curved gouge 1/4".



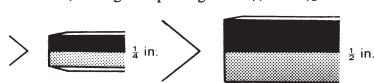
No. M16, Curved gouge 3/8".



No. M21, Spoon bit chisel, square 1/8".



No. M39, Straight V parting tool 1/4" and 1/2".



No. M47, Veiner 1/8".



Carving Chisels

Code	Type	Size	Price each
M1	Square Chisel	1/2"	£18.28
M2	Skew Chisel	1/4"	£20.98
M2	Skew Chisel	1/2"	£20.98
M5	Straight Gouge	1/2"	£23.99
M5	Straight Gouge	5/8"	£23.99
M6	Straight Gouge	1/8"	£23.99
M6	Straight Gouge	3/8"	£23.99
M6	Straight Gouge	5/8"	£23.99
M7	Straight Gouge	1/4"	£23.99

Code	Type	Size	Price each
M8	Straight Gouge	1/4"	£23.99
M8	Straight Gouge	1/2"	£23.99
M11	Straight Gouge	1/2"	£27.52
M14	Curved Gouge	1/4"	£26.11
M16	Curved Gouge	3/8"	£26.11
M21	Spoon Bit	1/8"	£23.99
M39	Straight V	1/4"	£26.07
M39	Straight V	1/2"	£28.82
M47	Veiner	1/8"	£27.42

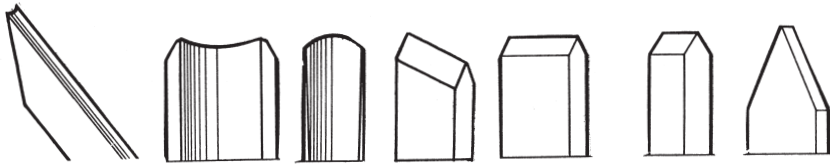
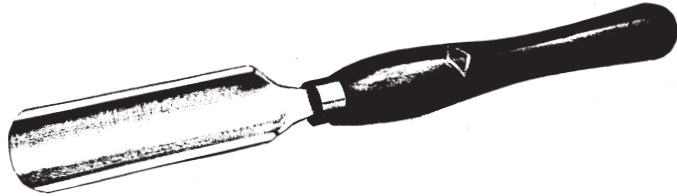
Carving Tool Sets

Code		Price per Set
HT12	Boxed Set of 12	£235.00
HT6	Boxed set of 6	£122.70

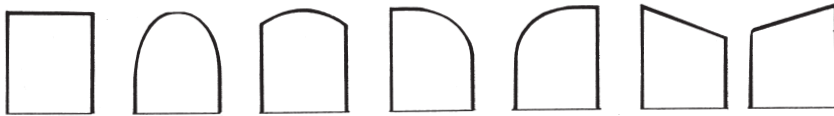
		Price each
M204	Carvers Mallet	£18.81

Wood Turning Tools

High Speed Steel - Handled Prices



FLUTED PARTING 1/8" Cut HS2 3/4" x 1/8" sec	DEEP FLUTING GOUGES HS3 3/4" HS4 1 1/2"	TURNING GOUGES HS5 1/4" HS6 3/8" HS7 1/2"	SKEW CHISELS HS8 1/2" HS9 1 1/4"	SQUARE END CHISEL HS10 1 1/4"	BEADING PARTING HS11 1/4" HS12 3/8"	STANDARD PARTING HS13 3/4" x 1/8"
--	--	---	---	---	--	---



STRAIGHT HS14	FULL ROUND HS15	DOMED HS16	R/H HALF ROUND HS17	L/H HALF ROUND HS18	R/H SKEW HS19	L/H SKEW HS20
-------------------------	---------------------------	----------------------	-------------------------------	-------------------------------	-------------------------	-------------------------

Code	Type	Size	Price
HS2	Fluted Parting Tool	3/4" x 1/8"	£50.37
HS3	Deep Fluted Gouge	3/4"	£47.67
HS4	Deep Fluted Gouge	1 1/2"	£84.07
HS5	Turning Gouge	1/4"	£17.83
HS6	Turning Gouge	3/8"	£24.40
HS7	Turning Gouge	1/2"	£33.73
HS8	Skewed Turning Chisel	1/2"	£25.07
HS9	Skewed Turning Chisel	1 1/4"	£50.03
HS10	Square End Chisel	1 1/4"	£50.05
HS11	Beading & Parting Tools	1/4"	£18.71
HS12	Beading & Parting Tools	3/8"	£25.07
HS13	Standard Parting Tools	3/4" x 1/8"	£32.51

Heavy Bowl (Scrapers)		
Dimensions: 19"		
Blade: 1 1/2" x 3/8"		
Code	Type	Price
HS14	Straight	£65.88
HS15	Full Round	£65.89
HS16	Domed	£65.90
HS17	R/H Half Round	£65.94
HS18	L/H Half Round	£65.97
HS19	R/H Skew	£65.99
HS20	L/H Skew	£66.01

Wood Turning Tools

The standard range of wood turning tools are all 420mm (16½") overall length, and have round polished hardwood handles.

M990 Standard Gouge

Sizes: 1/4", 1/2" and 3/4".

M980 Skew Chisel

Sizes: 1/2", 1".

M986 Round Nose Chisel

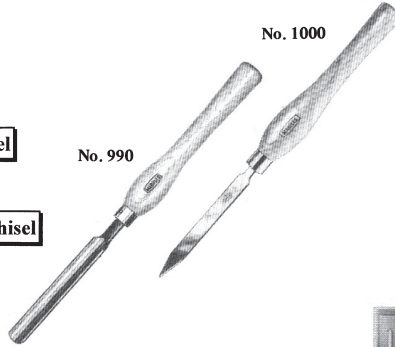
Sizes: 1/2", 1".

M987 Diamond Point Chisel

Sizes: 1/2".

M1000 Parting Tool

Sizes: 1/2".



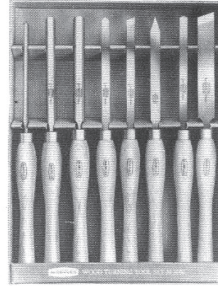
No. 1001

1002 Wood Turning Tool Sets

Set of eight standard size tools. Contains one of each: M990; ¼", ½" and ¾". M980; ½" and 1". M986; ½". M987; ½". M1000; ½".

1001 Wood Turning Tool Sets

Set of six small size turning tools. Contains one of each: M990; ¼" and ½". M980; ½". M986; ½". M987; ½". M1000; ½".



No. 1002

SMALL SERIES (13½" overall)

Description Cat. No. Size in inches	GOUGES ¼"	GOUGES ½"	SKEW CHISEL ½"	PARTING TOOL ½"	ROUND NOSE ½"	DIAMOND POINT ½"
Shape						
M1001	■	■	■	■	■	■

STANDARD SERIES (16½" overall)

Description	GOUGES		SKEW CHISEL		PARTING TOOL	ROUND NOSE	DIAMOND POINT
	¼"	½"	¾"	1"	½"	½"	½"
Shape							
M1002	■	■	■	■	■	■	■

Turning Tools

Individual Chisels

Sets of Chisels

Code	Type	Size			
		1/4"	1/2"	3/4"	1"
M990	Gouge	£15.86	£22.19	£27.93	-
M980	Skew Chisel	-	£17.96	-	£29.61
M986	Round Nose	-	£17.96	£21.06	£28.61
M987	Diamond Point	-	£17.96	-	-
M1000	Parting Tools	-	£21.76	-	-

Code		Price per set
1002	Set 8	£149.99
1001	Set 6	£99.99

Gouges / Cold Chisels

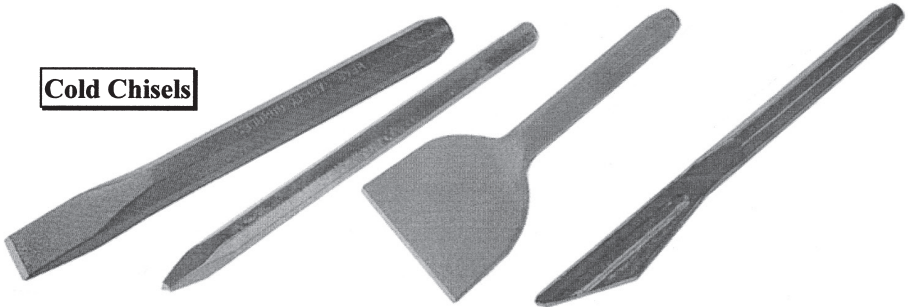
3708 Carving Gouges



High quality tool steel blades with cutting bevel ground on the outside. Round hardwood handle. All of these tools with a curve of U across the blade are called gouges, they are the most used carving tools and are suitable for heavy stock removal with the wider tools having the advantage of not splitting the wood along the grain as would a flat chisel, or for cutting grooves or "C" cuts when used vertically.

Size	Carving Gouge
	3708
	Price each
3708-1/4"	£21.95
3708-3/8"	£22.41
3708-1/2"	£22.84
3708-5/8"	£23.68
3708-3/4"	£23.83
3708-1"	£27.70

Cold Chisels



FLAT						
Size	4"	5"	6"	8"	10"	
1/4"	£2.36	-	£2.40	-	-	
3/8"	-	£2.57	£2.58	-	-	
1/2"	-	-	£2.76	£2.83	£2.90	
5/8"	-	-	-	£3.02	£3.06	
3/4"	-	-	-	£3.16	£3.43	
1"	-	-	-	£4.64	£5.14	

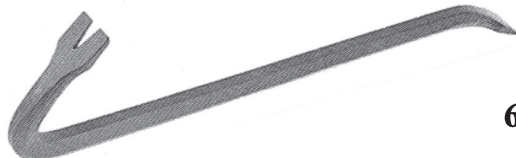
BRICK BOLSTER	
Size	Price
9" x 3"	£6.19
9" x 4"	£6.96

PLUGGING	
Size	Price
9" x 5/8"	£5.58

CONCRETE	
Size	Price
12" x 3/4"	£5.39

FLOORBOARD	
Size	Price
9" x 2 1/4"	£5.18

WRECKING BARS	
Size	Price
18" x 3/4"	£11.34



Robert Sorby Ltd - Gouges



Individual Tools (HSS)

Code	Size		Price
843H	3/4"	Roughing Out Gouge	£50.12
843LH	1 1/4"	Roughing Out Gouge	£72.91
842LH	1/4"	Bowl Gouge	£41.14
842LH	3/8"	Bowl Gouge	£50.67
842LH	1/2"	Bowl Gouge	£62.48
840H	1/4"	Spindle Gouge	£25.05
840H	3/8"	Spindle Gouge	£28.14
840H	1/2"	Spindle Gouge	£35.23
809H	1/2"	Oval Skew	£30.87
809H	3/4"	Oval Skew	£34.58
809H	1"	Oval Skew	£41.42
809H	1 1/4"	Oval Skew	£52.57
830H	1/8"	Standard Parting Tool	£26.91
831H	3/16"	Diamond Section Part	£48.86
832H	3/16"	Fluted Parting Tool	£52.57
834H	3/8"	Bedan	£35.24
820H	1/2"	Round Nose Scraper	£30.87
823H	1"	Square End Scraper	£41.43
824H	3/4"	Round Side Cutter	£38.04

Description	Cat. No.	Size	
Roughing Out Gouge	843H	3/4in	
	843LH	1 1/4in	
Bowl Gouge	842LH	1/4in	
	842LH	3/8in	
	842LH	1/2in	
Spindle Gouge	840H	1/4in	
	840H	3/8in	
	840H	1/2in	
Oval Skew Chisel	809H	1/2in	
	809H	3/4in	
	809H	1 in	
	809H	1 1/4in	
Standard Parting Tool	830H	1/8in	
Diamond Section Parting Tool	831H	3/16in	
Fluted Parting Tool	832H	3/16in	
Bedan	834H	3/8in	
Round Nose Scraper	820H	1/2in	
Round Side Cutting Scraper	824H	3/4in	
Square End Scraper	823H	1in	

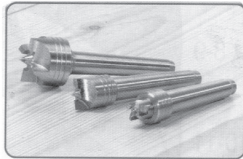
Sets - (HSS)

High Speed Steel			Price
45HS	5 Micro	(HSS) Set of 5	£95.89
67HS	6 Standard	(HSS) Set of 6	£216.84

Woodturning Accessories

Drive Centres

Suitable for all types of spindle work.
Integral points will not work loose.
Removable with extractor ring.
4 prong for squared spindle ends, 2 prong for out of square spindle ends.



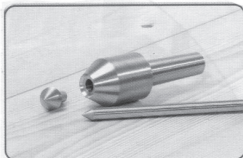
Code	Description	Prongs	Price
3821	3/8" 1MT	2	£13.31
3841	3/8" 1MT	4	£13.43
5821	5/8" 1MT	2	£13.86
5841	5/8" 1MT	4	£14.11
O121	1" 1MT	2	£15.17
O141	1" 1MT	4	£15.40
3822	3/8" 2MT	2	£13.67
3842	3/8" 2MT	4	£13.86
5822	5/8" 2MT	2	£14.24
5842	5/8" 2MT	4	£14.61
O122	1" 2MT	2	£15.54
O142	1" 2MT	4	£15.77

Hollow Rotating Centre

Rotating centre with 5/16" bore for long hole boring.

Also useful for spindle turning when there is a danger of a centre point splitting the stock.

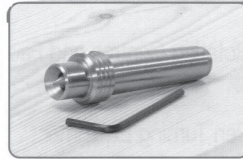
Set comprises: Hollow rotating centre, Nose cone for use as standard centre, Centring rod.



Code	Description	Taper	Price
HRC1	Hollow centre	1MT	£36.40
HRC2		2MT	£35.91

Hollow Ring Centre

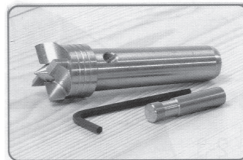
Facilitates the boring of long holes.
5/8" diameter head with 5/16" bore.
Complete with removable centre and hex key.
May be used as a tail centre when there is a risk of splitting.



Code	Description	Taper	Price
5161B	Hollow Ring Ctr	1MT	£19.09
5162B		2MT	£20.55

Piloted Drive / Counterbore

1" diameter 4 prong head.
Head relieved behind flutes to prevent binding.
Inter-changeable point, pilot and hex key.



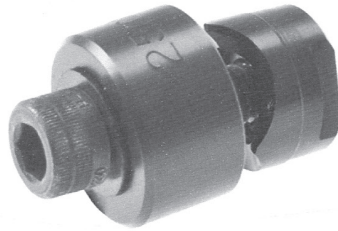
Code	Description	Taper	Price
141B	Piloted drive / CB	1MT	£22.26
142B		2MT	£27.07
143B		3MT	£28.20

Machine Centres / Rotating / Half

Available on page 203

Q-Max Sheet Metal Punch

A quick and easy way to cut clean metric or imperial sized round or square holes in sheet metal up to 16 gauge. The special design allows even load during cutting and produces a burr free hole that needs no extra finishing. Heat treated cutting edges with black anticorrosive surface finish to prevent rusting. All punches are sold singly without key, which should be ordered separately.



Metric Round

For cutters up to 15mm in size, thread the punch onto the hexagonal screw and then pass the hexagonal screw through the hole. Position the die on top of the die nut and then screw the die nut onto the projecting hexagonal screw until it touches the metal sheet. Use a hexagonal key to turn the hexagonal screw. The screw will pull the punch through the metal and a hole will result. Cutters 15 mm and over have a different configuration. Notably they have fewer components, in the larger cutters the thread is in the punch and thus there is no die nut.

Code	Size	Hex Key	Price
QMR10M	10mm	5mm	£7.11
QMR11M	11mm	5mm	£7.12
QMR127M	12.7mm	6mm	£7.28
QMR14M	14mm	6mm	£7.29
QMR15M	15mm	6mm	£7.45
QMR16M	16mm	6mm	£7.46
QMR20M	20mm	8mm	£8.41
QMR25M	25mm	8mm	£8.80
QMR30M	30mm	8mm	£9.93
QMR35M	35mm	10mm	£11.45
QMR40M	40mm	10mm	£15.53
QMR45M	45mm	10mm	£16.49
QMR50M	50mm	10mm	£19.21
QMR55M	55mm	14mm	£24.58
QMR60M	60mm	14mm	£35.55
QMR65M	65mm	14mm	£46.58
QMR70M	70mm	14mm	£56.83
QMR75M	75mm	14mm	£80.38
QMR80M	80mm	14mm	£117.68

Imperial Round

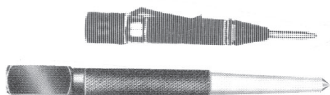
To use these punches they require a hole to be drilled through the sheet metal (large enough to clear the hexagonal screw) then the Die and hexagonal screw are threaded through the sheet metal then onto the die nut and screw die nut. When the hexagonal screw is tightened the punch will cut cleanly and evenly through the metal.

Code	Size	Hex Key	Price
QMR38	3/8"	3/16"	£7.11
QMR716	7/16"	3/16"	£7.12
QMR12	1/2"	7/32"	£7.29
QMR916	9/16"	7/32"	£7.30
QMR58	5/8"	7/32"	£7.45
QMR1116	11/16"	7/32"	£7.46
QMR34	3/4"	7/32"	£7.85
QMR1316	13/16"	7/32"	£7.86
QMR78	7/8"	7/32"	£8.41
QMR1	1"	5/16"	£8.80
QMR114	1.1/4"	5/16"	£10.26
QMR138	1.3/8"	5/16"	£11.45
QMR112	1.1/2"	5/16"	£13.28
QMR158	1.5/8"	5/16"	£15.14
QMR134	1.3/4"	5/16"	£15.99

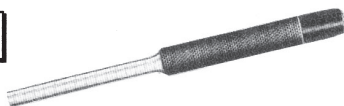
Square

Code	Size	Hex Key	Price
QMS19	19mm	5/8"*	£55.06
QMS254	25.4mm	5/16"	£57.65
QMS34	3/4"	5/8"*	£55.07
QMS1	1"	5/16"	£57.66

Requires AF Spanner (see pages 82 and 83)



Punches



Centre

Size	Price
4" Square Head	£2.04

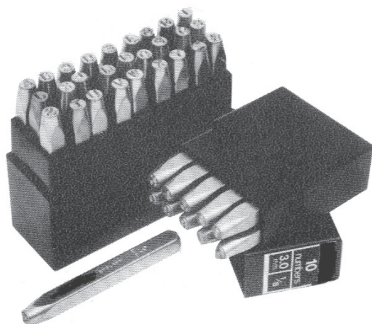
Automatic	Price
65-171R	£13.52
778-0172	£4.49

Nail

Size	Price
4"x1/16"	£1.96
4"x3/32"	£1.96
4"x1/8"	£1.96
4"x5/32"	£1.96

Parallel Pin

Size	Price	Size	Price
105x2mm	£2.11	110x6mm	£2.11
105x3mm	£2.11	125x8mm	£2.43
105x4mm	£2.11	135x10mm	£3.73
110x5mm	£2.11	Set of 7	£15.58



Number Sets

Size	Price
1.5mm	£11.26
3.0mm	£10.02
5.0mm	£11.41
6.0mm	£12.19
10.0mm	£28.26
12.0mm	£38.11

Letter Sets

Size	Price
1.5mm	£28.15
3.0mm	£23.64
5.0mm	£25.60
6.0mm	£29.09
10.0mm	£71.19
12.0mm	£89.58

Hollow Punches for Leather

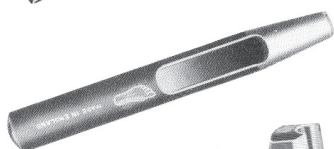
(Wad Punches)

Size	Price	Size	Price	Size	Price
1/4	£6.11	5/8	£7.55	1 1/8	£14.83
5/16	£6.11	3/4	£8.62	1 1/4	£15.78
3/8	£6.11	13/16	£9.26	1 3/8	£19.77
7/16	£6.58	7/8	£9.26	1 1/2	£21.16
1/2	£6.58	15/16	£10.58	1 3/4	£32.54
9/16	£7.02	1	£11.21	2	£42.69



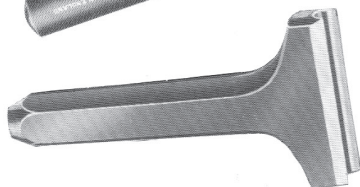
Hollow Punch

Size	Price	Size	Price	Size	Price
1/8	£4.12	7/16	£5.31	13/16	£9.12
3/16	£4.36	1/2	£5.48	1	£13.24
1/4	£4.39	9/16	£6.18		
5/16	£4.48	5/8	£6.40		
3/8	£4.54	3/4	£7.95		



Tinmans Hand Groover

Size	Price	Size	Price
1/8	£12.30	5/16	£15.55
3/16	£12.50	3/8	£15.95
1/4	£13.43	7/16	£26.05

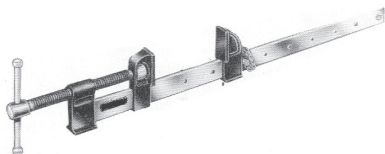


Cramps

Sash Cramps (Record)

Bar 1¼" x ¼"

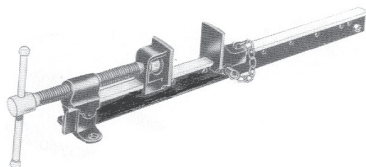
Code	Capacity	Bar Length	Price
135/2	24"	30"	£34.86
135/3	30"	36"	£36.24
135/4	36"	42"	£38.20
135/5	42"	48"	£40.64
135/6	48"	54"	£41.49
L135/4	36" Lengthening Bar		£38.20



T Bar Cramps (Record)

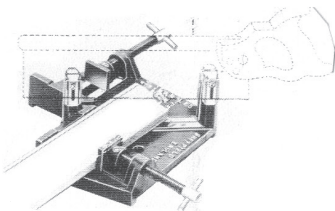
Bar 1¼" x ¾"

Code	Capacity	Bar Length	Price
136/5	42"	48"	£49.44
136/6	48"	54"	£51.42
136/7	54"	60"	£52.15
136/9	66"	72"	£56.90
136/11	78"	84"	£67.41
L136/6	Lengthening Bar		£41.23



Mitre Cutting Cramp (Record)

Code	Capacity	Price
M6807	2" x 1¼"	£33.57



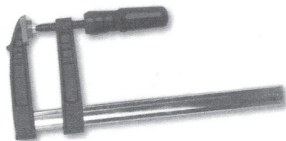
3-Way Clamp

Code	Capacity	Price
H868223	63mm	£4.81



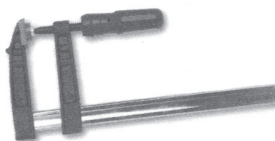
F-Clamp Heavy Duty

Code	Capacity	Price
H675027	150 x 80mm	£4.85
H633820	300 x 80mm	£5.65
H868771	450 x 80mm	£6.43
H675243	600 x 80mm	£7.74
H427676	900 x 80mm	£9.29



F-Clamp Heavy Duty (Deep Capacity)

Code	Capacity	Price
H282369	200 x 100mm	£6.75
H427522	300 x 120mm	£10.12
H244946	500 x 120mm	£11.06
H456898	800 x 120mm	£14.15
H598414	1000 x 120mm	£15.46

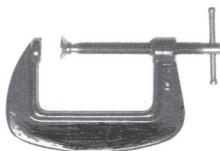


Cramps

G Cramps

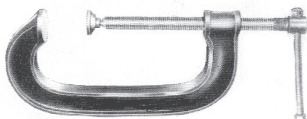
Junior

Code	Capacity	Price
119/2	2"	£4.38
119/3	3"	£5.99
119/4	4"	£8.35



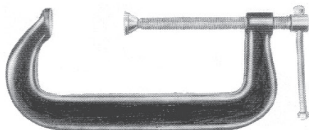
General Purpose

Code	Capacity	Price
120/3	3"	£14.70
120/4	4"	£15.15
120/6	6"	£21.63
120/8	8"	£33.66
120/10	10"	£52.05
120/12	12"	£73.10



Heavy Duty (Record)

Code	Capacity	Price
121/4	4"	£40.14
121/6	6"	£53.58
121/8	8"	£68.08
121/10	10"	£94.64
121/12	12"	£130.74



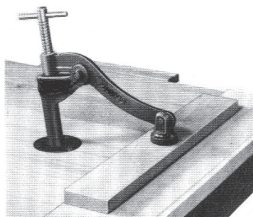
Light Duty (Deep Throat) (Record)

Code	Capacity	Price
122	4"	£37.38



Bench Holdfast

Code	Capacity	Price
M145	6 7/8"	£31.43



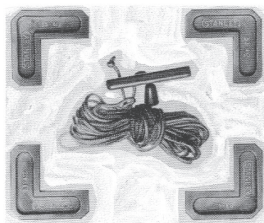
Web Clamp

Code	Price
WC-400	£6.49



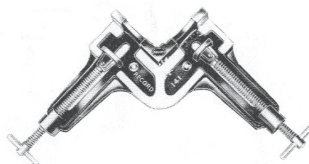
Frame Clamp

Code	Price
0-83-412	£7.25



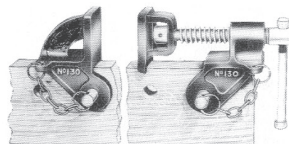
Angle and Corner Clamp (Record)

Code	Size	Price
M140	50mm	£14.64
M141	100mm	£47.86



Cramp Heads (Record)

Code	Price
M130	£17.84



Vices

Mechanics - Eclipse

Code	Jaw Width	Opening	Depth	Price
1	75	85	50	£31.53
3	100	120	70	£61.34
4	115	140	80	£107.60
5	125	165	85	£124.63
6	150	205	90	£185.41
8	205	235	100	£330.96
With Swivel Base				
3VS	100	120	70	£84.34

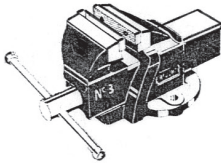
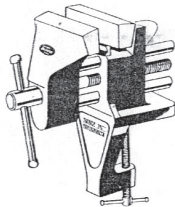


Table Vices

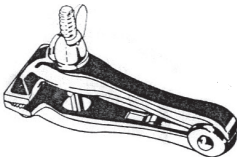
Small and Portable Vices which can be clamped to any convenient working surface.

Code	Jaw Width	Opening	Depth	Price
V75	75	55	35	£21.05
V60	60	50	20	£13.55



Lancashire Hand Vice

Hand Vices for Clamping and Gripping small workpieces.



Size	Price
4"	£15.65
5"	£20.25

Woodworkers - Eclipse

Quick Release			
Code	Jaw Width	Opening	Price
52ED	175	205 Standard Jaw	£93.06
52½ED	230	330 Standard Jaw	£129.25
53ED	265	380 Standard Jaw	£137.86
Plain Screw			
Code	Jaw Width	Opening	Price
52PD	175	205 Standard Jaw	£44.31
52½PD	230	330 Standard Jaw	£58.71
53PD	265	380 Standard Jaw	£65.21

If you'd prefer Mechanic or Woodworkers vices in Irwin/Record brand they are available on our website.

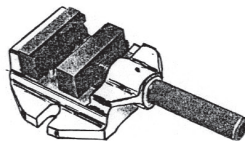


Woodcraft - Record

Code	Jaw Width	Opening	Price
V149	150	115	£23.34
V150	150	115	£24.70
V175	175	165	£27.44

Unigrip - Nippy (type)

Code	Jaw Width	Opening	Depth	Price
4608-001	75	70	31	£43.26

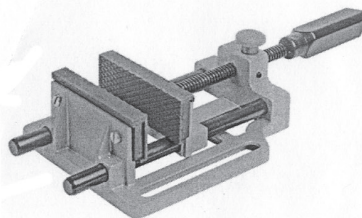


Vices

Quick Release Drill Vice

Strong, cast aluminium, 100mm jaw opening, quick release drill vice with tough hardened jaws for drill stand or work bench. Release button for quick action.

Code	Price each
3410	£17.05



Drill Press Vice

Cast aluminium, 65mm jaw opening, notched for use with round objects. Quick release mechanism. Rotate handle to increase pressure.

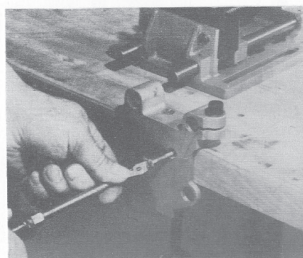
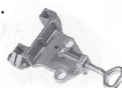
Code	Price each
4920	£10.86



Vice Clamp

Converts the 3410 Quick Action Vice into a multi purpose clamping attachment. May be used on the workbench or alongside the workbench. Can be fixed either vertically, horizontally or at a 45° angle.

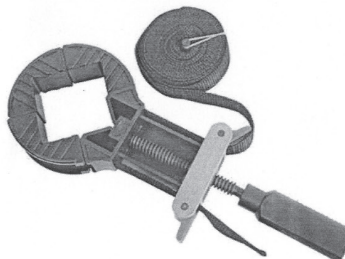
Code	Price each
3411	£9.22



Band Clamp

Adjustable band clamp, ideal for clamping irregular shaped workpieces without marring. 4mm x 25mm. Jaw capacity 350mm.

Code	Price each
3416	£16.66

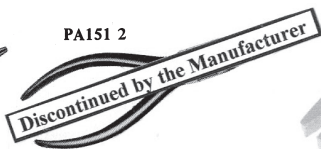


Pliers / Pincers

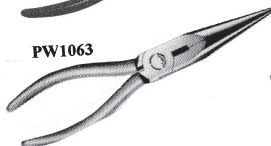
PW583



PA151 2



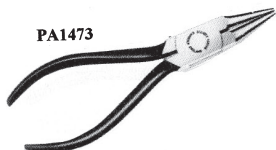
PW1063



PW216



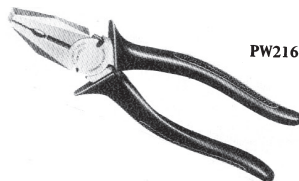
PA1473



PA1543



PW2169



PA1612



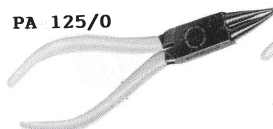
PW582



PA1953



PA 125/0



PA 29/0



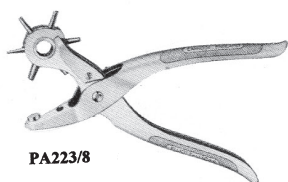
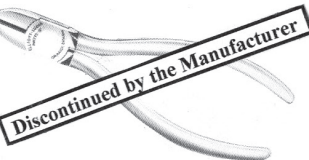
PW773



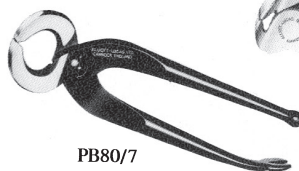
PA 29/90



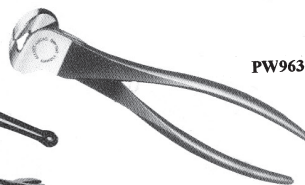
125/90



PA223/8



PB80/7



PW963

Pliers / Pincers

Combination

Engineers Code	Size	Price
PW216/6	6"	£7.08
PW216/7	7"	£7.55
PW216/8	8"	£7.95
PW2162/6	6"	£9.22
PW2162/8	8"	£11.56
Insulated		
PW2169/6	6"	£10.27
PW2169/7	7"	£11.88
PW2169/8	8"	£13.97

Round Nose

PA1473/6	6"	£11.39
----------	----	--------

Pincers

PB80/7	7"	£7.70
PB80/8	8"	£8.67

Long Nose

Code	Size	Price
PW582/6	6"	£3.68
Insulated		
PW583/5	5"	£10.83
PW583/6	6"	£11.48
Extra Long		
PW1063/8	8"	£12.27

Snipe Nose

PA1543/6	6"	£9.88
PA1543/8	8"	£11.56

Flat Nose

PA1613/6	6"	£11.48
----------	----	--------

Strippers

PA1953/6	6"	£5.85
----------	----	-------

Cutting

Diagonal Code	Size	Price
Insulated		
PW773/6	6"	£5.60
PW773/7	7"	£12.99
End		
PW963/7	6"	£5.91

Circlip

External	Type	Price
PA29/0	Straight	£5.12
PA29/90	Bent	£5.10
Internal		
PA125/0	Straight	£4.67
PA125/90	Bent	£5.12

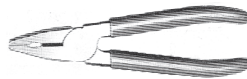
Revolving Punch

Code	Type	Price
PA223/8	8"	£9.38

Engineers

With Pipe-grip & Cutting Jaws.

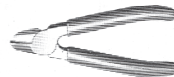
Code	Size	Price
60-226R	6"	£7.29
60-227R	7"	£8.02
60-228R	8"	£8.98



Cutting

Purpose-built to cut easily through wire.

Code	Size	Price
60-325R	5"	£8.74
60-326R	6"	£10.03



Pliers / Pincers / Wire Strippers

Long Nose

Serrated Jaws & Side Cutters.

Code	Size	Price
60-425R	5"	£2.90
60-427R	6"	£5.26
60-428R	8"	£6.15



Adjustable

Six Position Slip Joint.

Code	Price
60-720R	£6.45



Pincers

Code	Size	Price
61-127R	7"	£6.82



Engineers (Insulated)

The All Round Gripping, Turning & Cutting Plier.

Code	Size	Price
62-227R	7"	£5.25
62-228R	8"	£5.99



Cutting (Insulated)

Cutting & Stripping Wire.

Code	Size	Price
62-326R	6"	£4.98



Long Nose (Insulated)

For Electrical & Wire Work.

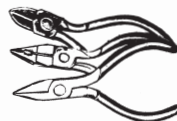
Code	Size	Price
62-427R	6"	£5.95



Set of 5 Miniature Pliers

Set Includes
 Diagonal Cutter
 Long Nose
 Flat Nose
 End Nipper
 Bent Nose

Price per Set
 £13.77



Light Duty Wire Strippers

A handy wire stripper incorporating an adjustable gauge selector. PVC handles with spring for automatic opening.

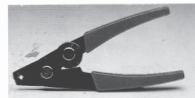
Code:	860350	Price:	£2.85
-------	--------	--------	-------



Wirestripper & Cutter

Patented finger tip cam adjustment for different wire sizes.

Code:	601530	Price:	£2.52
-------	--------	--------	-------



Circuit Tester

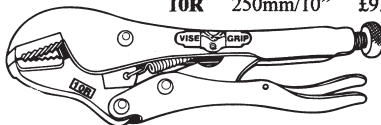
Complete with battery and spare bulb in permanent holder for safe storage. For testing circuits 6-24V

Code:	1310	Price:	£2.62
-------	------	--------	-------

Wrenches

Straight Jaw Locking Pliers

Code	Description	Price
5R	Mini	£7.38
7R	175mm/7"	£8.32
10R	250mm/10"	£9.11



Locking Sheet Metal Tool

Code	Description	Price
8R	200mm/8"	£13.42



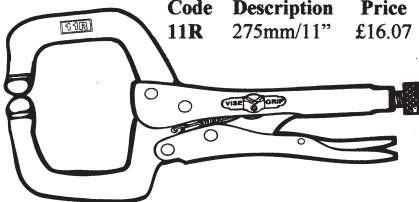
Locking Welding Clamp

Code	Description	Price
9R	225mm/9"	£16.10



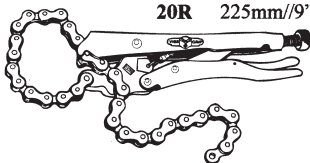
Locking C-Clamp with Regular Tips

Code	Description	Price
11R	275mm/11"	£16.07

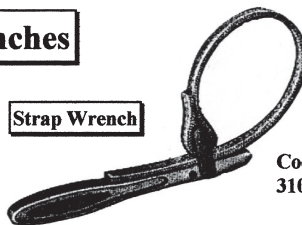


Locking Chain Clamp

Code	Description	Price
20R	225mm/9"	£24.26

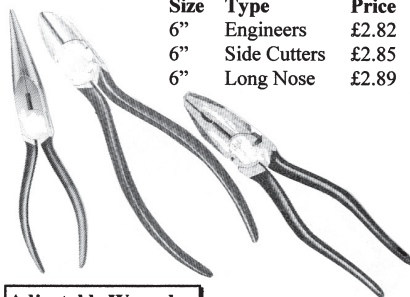


Strap Wrench



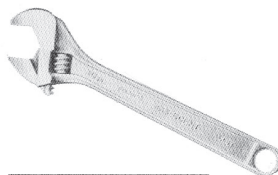
Code	Price
3100	£12.95

Special Pliers



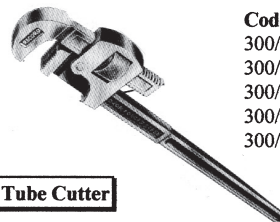
Size	Type	Price
6"	Engineers	£2.82
6"	Side Cutters	£2.85
6"	Long Nose	£2.89

Adjustable Wrenches



Size	Price
4"	£6.83
6"	£7.24
8"	£8.35
10"	£10.25
12"	£14.83

Stilson (Pipe Wrench)



Code	Price
300/8"	£13.79
300/10"	£15.65
300/12"	£19.18
300/14"	£20.96
300/18"	£30.47

Tube Cutter



Code	Type	Price
200-22	1/8"-7/8"	£5.31
200-22D	Spare Wheel	£2.64
200-30C	1/8"-1 1/4"	£13.61
200-30CD	Spare Wheel	£2.64
200-45	9/16"-1 1/4"	£12.33
200-45D	Spare Wheel	£5.31



Spanners

Open Ended

Metric

6 x 7	£4.35
7 x 8	£4.35
8 x 9	£4.35
10 x 11	£4.35
12 x 13	£5.16
14 x 15	£6.05
16 x 17	£6.05
18 x 19	£7.08
20 x 22	£9.97
21 x 23	£9.97
24 x 27	£10.60
30 x 32	£13.90

Whitworth

1/8 x 3/16	£5.34
3/16 x 1/4	£5.88
5/16 x 3/8	£7.52
3/8 x 7/16	£9.31
5/8 x 11/16	£22.42
1.1/8 x 1.1/4	£56.20

Combination Open Ended & Ring

Metric	A/F
6	£5.04
7	£5.27
8	£5.27
9	£5.38
10	£5.51
11	£5.51
12	£5.51
13	£6.40
14	£6.40
15	£7.25
16	£7.25
17	£8.37
18	£8.37
19	£9.76
20	£11.09
21	£11.71
22	£13.33
23	£14.43
24	£15.07
25	£16.74
26	£19.35
27	£19.80
28	£23.65

Ring

Metric

6 x 7	£5.88
8 x 9	£6.23
10 x 11	£6.73
12 x 13	£7.08
14 x 15	£7.48
16 x 17	£8.11
18 x 19	£9.40
21 x 23	£12.59
24 x 27	£17.25
30 x 32	£21.56
36 x 41	£43.65
41 x 46	£64.89

A/F

1/4 x 5/16	£8.38
5/16 x 3/8	£7.87
1/2 x 9/16	£10.37
9/16 x 5/8	£10.94
5/8 x 11/16	£11.20
11/16 x 3/4	£11.92
3/4 x 7/8	£12.65
13/16 x 7/8	£14.70

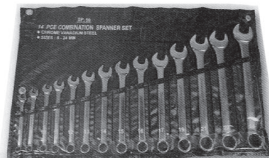
Whitworth

3/16 x 1/4	£7.25
1/4 x 5/16	£7.84
5/16 x 3/8	£8.77
3/8 x 7/16	£11.32
7/16 x 1/2	£13.73
11/16 x 3/4	£29.76
7/8 x 1	£48.95

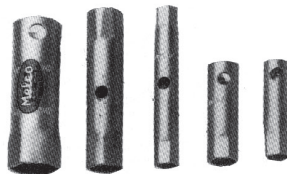


Spanner Sets

Code	Type	Price
SPC12	Metric 12pc Combination 8-22mm	£15.40
SPC14	A/F 14pc Combination 1/4-1 1/4"	£22.60
SPC22	Metric & A/F 22pc Combination 6-22mm & 1/4-7/8"	£18.45
SPC25	Metric 25pc Combination 6-32mm	£32.40
SPR6	Metric 6pc Ring 6-17mm	£10.15
SPR12	Metric 12pc Ring 6-32mm	£30.20
SPM48	Metric & A/F 44pc Ring 6-22mm Combination 6-22mm & 1/4-1"	£48.00
	Open Ended 6-32mm	



Box Spanners



BA

TBA1	0 x 1	£3.69
TBA3	0 x 2	£3.69
TBA4	2 x 3	£3.69
TBA6	2 x 4	£3.69
TBA7	4 x 5	£3.69
TBA9	4 x 6	£3.69
TBA10	6 x 7	£3.69
TBA12	6 x 8	£3.69
TBA13	8 x 9	£3.69

Whitworth

TW1	1/8 x 3/16	£3.76
TW4	3/16 x 1/4	£4.01
TW6	1/4 x 5/16	£3.76
TW9	5/16 x 3/8	£4.41
TW12	3/8 x 7/16	£5.00
TW14	7/16 x 1/2	£6.67
TW16	1/2 x 9/16	£8.44
TW18	9/16 x 5/8	£8.76
TW23	3/4 x 7/8	£12.42
TW24	7/8 x 1	£13.87

Metric

TM1	6 x 7	£4.41
TM4	8 x 9	£4.65
TM6	10 x 11	£4.65
TM8	12 x 13	£5.30
TM12	12 x 14	£5.57
TM13	14 x 15	£5.30
TM14	16 x 17	£5.57
TM16	17 x 19	£5.30
TM17	18 x 19	£5.57
TM18	18 x 21	£5.71
TM19	20 x 21	£5.72
TM20	20 x 22	£5.92
TM23	23 x 25	£9.85
TM24	24 x 25	£9.95
TM25	24 x 26	£9.98

A/F

TA1	5/16 x 3/8	£3.60
TA2	3/8 x 7/16	£4.01
TA4	7/16 x 1/2	£4.01
TA6	1/2 x 9/16	£5.30
TA8	9/16 x 5/8	£5.55
TA12	11/16 x 3/4	£5.56
TA14	3/4 x 7/8	£6.43
TA20	15/16 x 1	£11.29
TA21	1 x 1.1/8	£11.31
TA24	1.5/16x1½	£17.57

Set

(Tommy Bars included)

No 9	8-22mm Metric	£48.88
------	------------------	--------

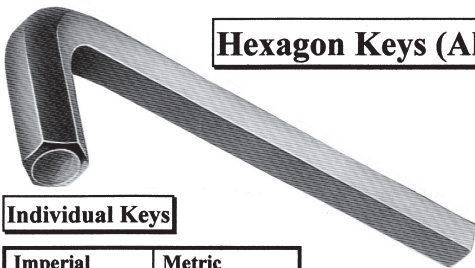
Tommy Bars

T33	1/4	£2.17
T36	5/16	£2.17
T38	3/8	£2.25

Plug Spanners

PS21	14mm Plug Spanner	£5.86
PS23	18mm Plug Spanner	£8.77





Hexagon Keys (Allen Head)

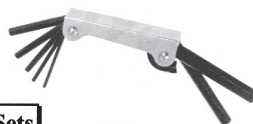


Individual Keys

Imperial		Metric	
Size	Price	Size	Price
1/16	£0.25	0.7	£0.32
5/64	£0.26	0.9	£0.32
3/32	£0.27	1.3	£0.32
7/64	£0.28	1.5	£0.29
1/8	£0.29	2.0	£0.30
9/64	£0.30	2.5	£0.31
5/32	£0.39	3.0	£0.35
3/16	£0.40	4.0	£0.41
7/32	£0.48	5.0	£0.51
1/4	£0.60	6.0	£0.73
5/16	£0.98	8.0	£1.04
3/8	£1.38	10.0	£1.91
7/16	£3.06	12.0	£3.15
1/2	£3.22		

Key Ring Sets

Code	Description	Price
Imperial 7	3/32 - 3/8	£4.54
Metric 7	1.5 -10	£3.54



Jackey Sets

Code	Description	Price
Imperial 8	1/16 - 5/32	£6.76
Imperial 9	5/64 - 1/4	£10.09
Metric 7	1.5 - 6	£7.17

T Handle Keys

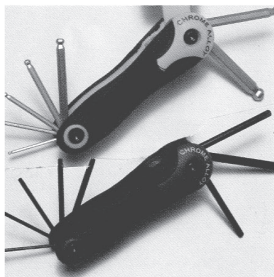
Handle shapes may vary

Imperial

Code	Size	Price
88404	3/32"	£2.75
88405	7/64"	£2.75
88406	1/8"	£2.75
88407	9/64"	£2.75
88408	5/32"	£3.00
88409	3/16"	£3.25

Metric

Code	Size	Price
103920	2mm	£2.50
103925	2.5mm	£2.50
103930	3mm	£2.50
103940	4mm	£2.50
103945	4.5mm	£2.50
103950	5mm	£2.65
103955	5.5mm	£2.65
103960	6mm	£2.65
103980	8mm	£3.00
103990	10mm	£3.45



Tork Key Set

Code	Description	Price
50701	T10-T40	£3.90

Ball Point Hex Key Set

Code	Description	Price
50801	1.5-8mm	£4.10

T Handle Keys Set

Code	Description	Price
07865	2.0-10mm	£9.60
07866	3/32-3/8"	£9.70



Tinsnips



Gilbow General Purpose

Length	Straight	Straight (Spring Leg)	Curved
	G245	G245S	G246
8"	£14.14	£19.68	£24.69
10"	£17.15	£22.99	£25.99
12"	£19.15	-	£30.05
14"	£24.23	-	-

Footprint General Purpose

Length	Straight	Straight (Spring Leg)	Curved
	222	223	225
8"	-	£16.58	-
10"	-	£18.01	-
12"	-	£23.13	£21.83

Gilbow Duck Bill - Heavy Duty

Code	Size	Price
G69	11"	£32.69
G691	14"	£42.11

Gilbow Jewellers

Code	Size	Price
G56	7" Straight	£16.70
G056	7" Curved	£24.19

K&M General Purpose

Length	Straight
	085
8"	£10.97
10"	£12.03
12"	£13.84

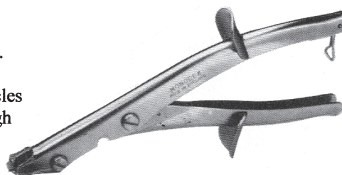
K&M Jewellers

089	7" Straight	£12.27
090	7" Curved	£17.80

Monodex Sheet Metal Cutters

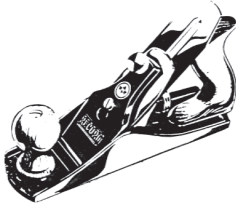
Strongly made tool for cutting most sheet materials without distortion. It takes out a thin strip of the material leaving the work in its original form. Ideal for 'inside' cuts as only a 6.4mm (¼") hole is necessary to take the blade. Another feature is that the operators hand is well clear of the work. The Monodex is capable of cutting mild steel up to 1mm, aluminium, brass, copper etc, up to 1.2mm. It will cut circles and curves as low as a radii of 50mm (2") leaving no rough edges or burrs.

Code	Description	Price
78001	Major Sheet Cutter	£25.95
78002	Spare Blade	£6.95



Record Planes

Bench Planes



SP4 £33.83 Smoothing plane for final finishing, combines accuracy and economy. 250mm (9.3/4") long with a 50mm (2") blade. Brass fittings. Precision machined base, and tungsten vanadium cutting iron.

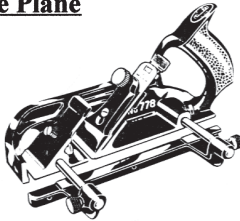
SP5 £43.97 Jack plane for initial preparation as above but 356mm (14") long with a 50mm (2") cutter.

04 £59.63 Smoothing plane precision machined to $\pm 1.1/2$ thou. 250mm (9.3/4") long with a 50mm (2") blade. Hardwood handles and hard wearing tungsten vanadium cutting iron.

05 £71.31 Jack plane as above 356mm (14") long with a 50mm (2") cutter.

07 £137.51 Trying/Jointer plane as above 560mm (22") long with a 60mm (2.3/8") cutter.

Rebate Plane



778 £109.95 Rebate plane with two guide rods for accurate alignment. These two rods can be pushed thorough so that the fence can be used on either side. The cutter is normally fitted in the central position where depth of cut is controlled by a fine screw adjustment, alternatively a forward cutter position can be used for bull nose work. It comes complete with a spur for cross grain cutting and an accurate depth stop. Maximum rebate 38mm (1.1/2"). 216mm (8.1/2") long with a cutter 38mm (1.1/2") wide.

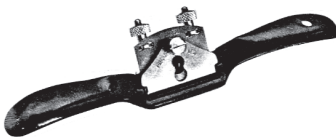
Block Planes



0601/2 £58.30 The block plane is so called because it was intended to cut the end grain of sycamore or maple to make butcher's chopping blocks. Low angle cutters and compact precision give an accurate finish on end grain and fine chamfering work. Screw adjusted cutter being pitched at 12.1/2 degrees is ideal for plastic laminate. Adjustable mouth- wide for coarse work, narrow for fine shavings from an awkward grain. 150mm (6") long with a 41mm (1.5/8") cutter.

091/2 £58.32 As above with an adjustable mouth and screw adjusted cutter which has a lever adjustment for lateral alignment.

Spokeshaves



A151 £22.02 A151R £22.03 From the wheelrights shop, the spokeshave is used for chamfering and shaping- flat faced (A151) for convex surfaces and round faced (A151R) for concave surfaces. The body is cast from malleable iron, guaranteed unbreakable, and the tungsten vanadium cutter with lateral and vertical adjustment is secured by a levercap and two retaining screws to eliminate chatter. 250mm (10") long with a 54mm (2.1/8") cutter.

Stanley Planes

Bailey Bench Planes

Stanley bench planes have fine grey iron based accurately machined and ground for ultimate precision and stability in all working conditions. They are coated with high quality durable epoxy for long-lasting protection. The lever cap is polished and chrome plated. Cutters are of chrome carbon steel and are ground to provide a keen, long-lasting edge. They are fully adjustable for alignment, depth of cut and mouth size.

No 3, 4, 41/2 General purpose planes for workshop, site or fine finishing of high quality work.

Code	Length	Blade	Price
1-12-003	240mm	45/1.3/4"	£53.97
1-12-004	245mm	50/2"	£48.45
1-12-045	260mm	60/2.3/8"	£54.15

No 5 For rapid stock removal prior to commencing construction work. Depending on plane setting can also be make a good general purpose plane.

1-12-005	355mm	50/2"	£57.69
----------	-------	-------	--------

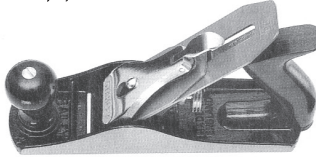
No 6 The Fore plane performs a dual role between stock removal and truing up long edges or levelling wide boards.

1-12-006	460mm	60/2.3/8"	£88.28
----------	-------	-----------	--------

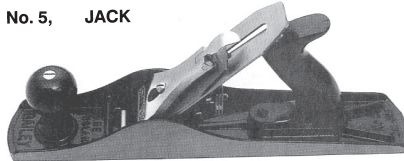
No 7 The jointer or Try plane, as its name implies, is for the accurate truing of long edges which are to be jointed together as in the production of table tops

1-12-007	560mm	60/2.3/8"	£99.99
----------	-------	-----------	--------

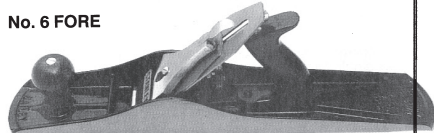
No. 3, 4, 4½ SMOOTHING



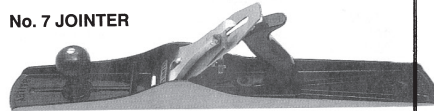
No. 5, JACK



No. 6 FORE



No. 7 JOINTER

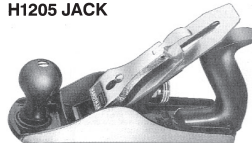


Handyman Bench Planes

Handyman bench planes are made from fine grey iron castings machined and ground for precision. The fully hardened carbon chrome cutter is adjustable for depth of cut and alignment.

1-12-204	250mm	50/2"	£34.05
1-12-205	355mm	50/2"	£46.84

**H1204 SMOOTHING &
H1205 JACK**

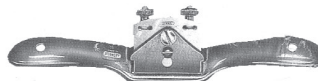


Spokeshaves

Fully adjustable for depth of cut and alignment.

Fine grey iron castings finished with durable black epoxy lacquer. Available with flat bottom for convex shapes and round (R) for concave shapes.

Code	Type	Blade	Price
1-12-151	Flat	55mm	£15.88
1-12-152	Round	55mm	£15.89



See pages 120-123 & 125 for spares

Stanley Planes

Block Planes

Stanley block planes are made from accurately machined, fine grey iron. Unmachined surfaces are finished with durable high gloss epoxy coating. Block planes are ideal for end grain work or any situation where single handed application are required. The low angle, full supported cutter ensures that the vibration is kept to a minimum thus making good performance on plastic laminated and other man-made materials.

No. 60.1/2 Low angle cutter seats at 13.1/2 degrees. Fully adjustable for depth of cut, cutter alignment and size of mouth. Particularly effective on end grain and plastic laminates.
5-12-060 152mmL 35/1.3/8 cutter £45.41



No. 9.1/2 Fully adjustable depth of cut, cutter alignment and size of mouth. Cutter seats at 21 degrees. Ideal for end grain and general purpose fine finishing.
5-12-020 160mmL 40mm cutter £46.98



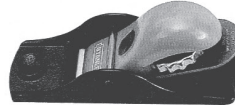
No.220 Adjustable for depth of cut and alignment. A general purpose block plane.
1-12-220 178mmL 40mm cutter £33.70



No 110 General purpose
1-12-116 180mmL 40mm cutter £24.21



N 102 Small block plane. Ideal for use by model makers.
1-12-102 140mmL 34mm cutter £15.90

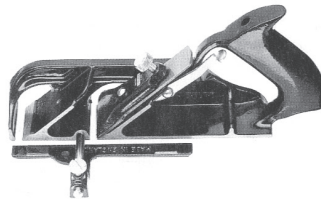


Rebate Plane

Made from fine grey iron with all working surfaces accurately machined for precise results. Two cutter positions for regular and bull nose work. The cutter is adjustable for depth of cut in the rear position. To accurately control dimensions of the rebate, an adjustable fence and depth gauge are supplied.

A cutting spur is also supplied for cross grain work.

Code	Length	Cutter	Price
1-12-078	255mm	38/1.1/2	£56.73

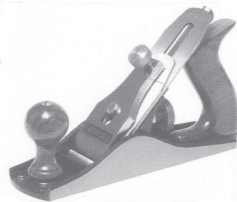


K&M Value Planes

Bench Planes

General purpose bench planes which are fully adjustable for alignment depth of cut and mouth size.

Code	Type	Length	Cutter	Price
VP-B3	Finishing	230mm	45mm	£16.65
VP-B4	Smoothing	250mm	50mm	£23.45
VP-B5	Jack	355mm	50mm	£33.75
VP-B6	Fore	457mm	60mm	£36.18
VP-B7	Jointer	560mm	60mm	£41.65

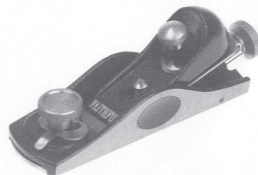


Block Planes

Block planes with low angle cutter and fully adjustable mouth for end grain and single handed work.

Supplied in a hinged wooden box.

Code	Length	Cutter	Iron Set	Price
VP-B60	160mm	35mm	13.5°	£22.14
VP-B9	160mm	42mm	21°	£22.15



Rebate Plane

Rebate plane with cast iron body and accurately ground base. Features two position cutter for rebate and bull nose work, a double sided adjustable fence, a spur for cross grain cutting and is supplied with an accurate depth stop.

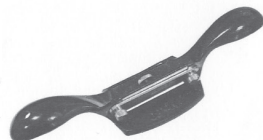
Code	Length	Blade	Price
VP-778	255mm	38mm	£39.70



Cabinet Scraper

Fine grey cast iron body with an accurately machined working surface. Double edged cutter can be tensioned to give coarse or fine settings. Used for fine finishing of hardwoods

Code	Length	Blade	Price
VP-C80	292mm	70mm	£16.31



Plane and Woodworking Set

4 piece set to provide the essential tools for woodworking. Containing a smoothing plane, 230mm sliding bevel, 230mm try square and a marking and mortice gauge. Supplied in a hinged wooden box.

Code	Length	Cutter	Price
VP-S4	250mm	50mm	£54.55



K&M - Knives & Blades

Knives

HT9 Die-cast metal, fixed blade trimming knife with thumb grip. No blades included. To suit blades WBG206,207,208,209. **Price each**

HT9

HT14 Di-cast metal, retractable blade trimming knife with side ratchet retraction mechanism and thumb grip. Complete with one heavy duty blade. To suit blades WBG206,207,208,209. **Price each**

HT14

SN111 Light/medium duty knife with ratchet and fixing lock. For use with Blade No SNB110. **Price each**

SN111

SN102 Heavy duty knife with ratchet and fixing lock. For use with Blade No SNB100. **Price each**

SN102

SN104 Extra heavy duty knife, with ratchet and fixing lock. Reinforced with metal insert for increased durability. For use with Blade No SNB100.

SN104

HT50 Turned aluminium craft knife with locking collet. No blade included. To suit blades SA1-SA4 inclusive. **Price each**

HT50

HT51 Turned aluminium craft knife with locking collet. No blade included. To suit blades SA5-SA15 inclusive. **Price each**

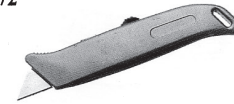
HT51

HT52 Turned aluminium and moulded plastic craft knife with locking collet. No blade included. To suit blades SA5-SA15 inclusive. **Price each**

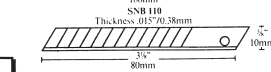
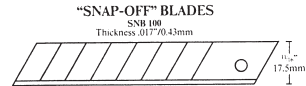
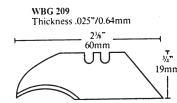
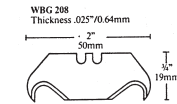
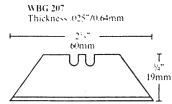
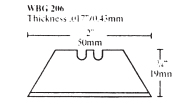
HT52

DK10 Disposable Knives **DK10**

DK10



BLADES



SA1

SA2

SA3

SA4

SA5

SA6

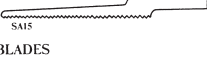
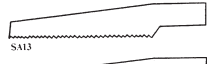
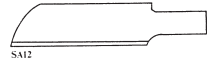
SA7

SA8

SA9

SA10

SA11



Blades

Code	Price	Code	Price
WBG206	£0.93 per 10	SA5	£2.72 per 10
WBG207	£1.14 per 10	SA6	£2.72 per 10
WBG208	£1.25 per 10	SA7	£3.58 per 10
WBG209	£1.29 per 10	SA8	£7.07 per 10
SNB100	£1.27 per 5	SA9	£2.32 per 10
SNB110	£1.19 per 5	SA10	£3.58 per 10
SA1	£3.58 per 10	SA11	£4.05 per 10
SA2	£3.58 per 10	SA12	£3.58 per 10
SA3	£2.72 per 10	SA13	£4.19 per 10
SA4	£2.72 per 10	SA14	£4.19 per 10
		SA15	£4.19 per 10

Stanley Knives



Knives

Code	Description	Price
2-10-199	140mm 199 Fixed Blade	£3.70
2-10-099	155mm 99E Retractable Blade	£5.43
0-10-598	110mm Folding Pocket	£6.54
0-10-601	110mm Disposable Craft (Pk 3)	£1.86
0-10-779	150mm Retractable Dynagrip	£6.02
0-10-810	145mm Sliding Pocket Knife	£6.72
0-10-088	150mm Retractable Utility	£2.26
0-10-010	140mm Fixed Blade Interlock	£4.37
0-10-590	122mm Interlock Craft	£5.88
0-10-299	136mm Fixed Blade Utility	£2.82

Blades



Code	Description	Price
0-11-911	1991 Blades	£1.22 pk 5
1-11-911	1991 Blades	£16.76 pk 100
0-11-921	1992 Blades	£1.40 pk 5
1-11-921	1992 Blades	£20.50 pk 100
0-11-983	1996 Blades	£1.41 pk 5
1-11-983	1996 Blades	£23.32 pk 100
0-11-952	5192 Blades	£1.68 pk 5
1-11-952	5192 Blades	£23.33 pk 100
0-11-953	5193 Blades	£1.39 pk 5
0-11-221	5901 Blades	£1.68 pk 3
1-11-221	5901 Blades	£18.64 pk 50
0-11-113	5903 Blades	£1.45 pk 3
1-11-113	5903 Blades	£16.92 pk 50
0-11-115	5905 Blades	£1.54 pk 3



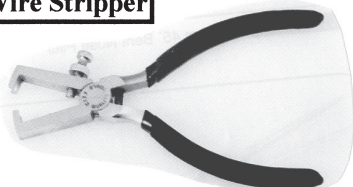
K&M Choice

Smoothing Plane



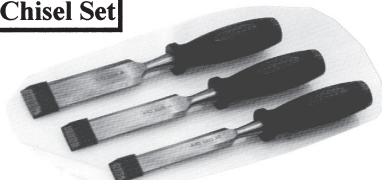
Code	Description	Price each
4121	245mm Smoothing Plane	£11.81

Wire Stripper



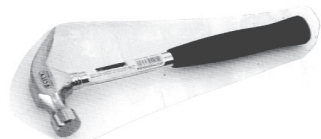
Code	Description	Price each
1069	150mm Wire Stripping Plier Double dipped handles and Satin Finish	£3.15

Chisel Set



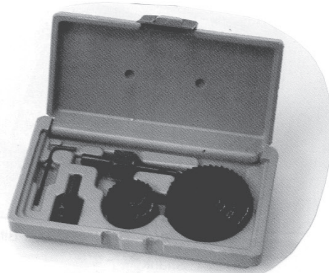
Code	Description	Price each
3020	3 Piece Hi Grip Chisel Set Contains 3/4", 1" and 1 1/4"	£8.99

Claw Hammers

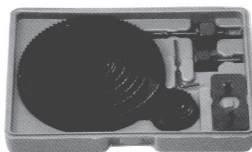


Code	Description	Price each
4400	450g (16oz) Tubular Shaft	£3.10
4415	225g (8oz) Tubular Shaft	£2.73

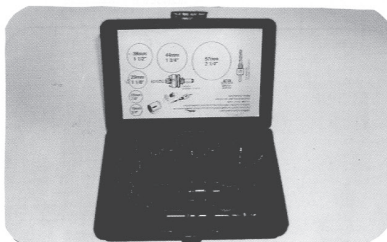
Holesaw Sets



Code	Description	Price per Set
5524	11 Piece Holesaw Set Includes 7 Piece tool steel cutting cups 7/8"-2 1/2", 1/4" & 3/8" Mandrel, 1/4" bit and Hex Key	£5.99



Code	Description	Price per Set
5523	16 Piece Holesaw Set Includes 12 Piece tool steel cutting cups 3/4"-5", 3/8" Mandrel, 1/4" Drill bit, Drive Plate and Hex Key.	£8.40



Code	Description	Price per Set
5517	9 Piece Bi Metal Holesaw Kit Sizes include 16, 19, 25, 32, 38 & 51mm	£25.97

Marking Knives

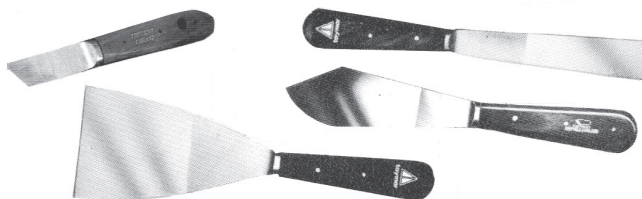
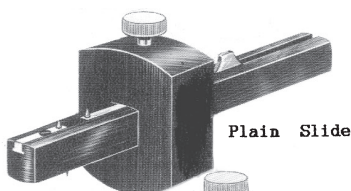
Type	Price each
Wood Handled	£3.42

Putty Knives

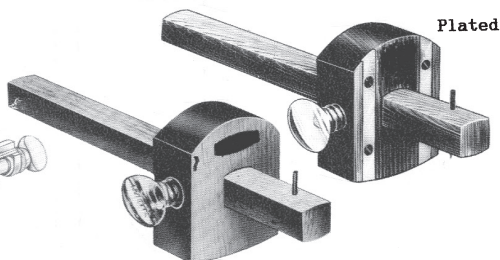
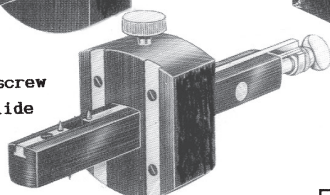
Code	Price each
1605	£6.01

Stripping Knives

Size	Price each
5" x 1"	£6.32
5" x 2"	£7.10
5" x 2½"	£7.69
5" x 3"	£8.27

Knives**Gauges**

Plain Slide

Thumbscrew
Slide

Plated

Marking Gauges

Code	Type	Price each
No 1	K & M Plain	£5.19
No 2	K & M Plated	£5.95
MR2049	Marples Plain	£10.37

Mortice Gauges

Code	Type	Price each
No 19	K & M Rosewood Plain Slide	£25.33
No 20	K & M Thumbscrew Slide	£27.89
M2153	Marples Plain Slide	£29.12
M2154	Marples Thumbscrew Slide	£46.18

Cutting Gauges

Code	Type	Price each
No 3	K & M Plain	£5.95
No 4	K & M Plated	£7.67

Combination

Code	Type	Price each
No 5	K & M	£8.20
No 6	K & M Plated	£10.06
No 4	K & M Plated	£7.67

Spares

	Price each
Plastic Thumbscrews	£0.84
Brass Thumbscrews	£3.09
Spurs for Marking Gauges	£0.34

Spares

	Price pair
Spurs for Mortice Gauges	£0.80

Tool Care Products**Honing Guide**

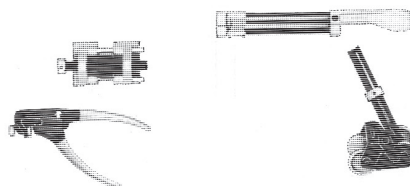
Code	Type	Price each
0-16-050	Stanley (complete with Oilstone)	£13.57

Saw Tooth Setter

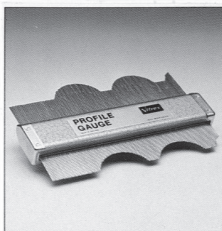
94-370R	£17.13
---------	--------

Saw Sharpener

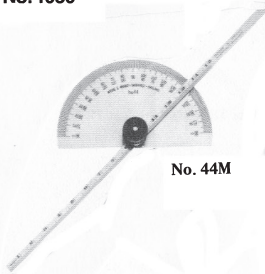
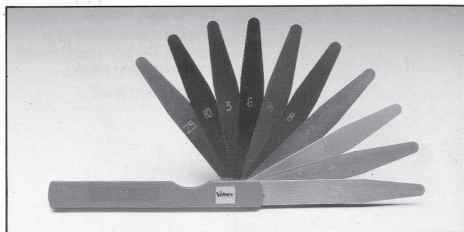
94-380R	£17.21
94-381R	Replacement File £5.96



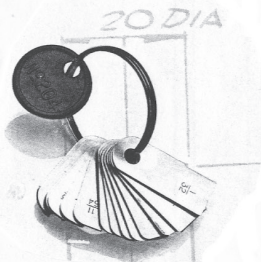
Gauges



No. 1030



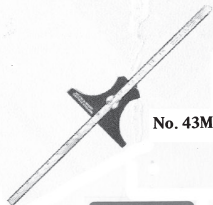
No. 44M



No. 204

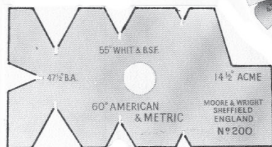


No. 204M

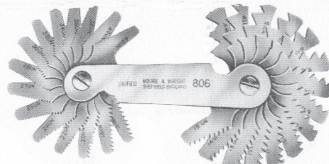


No. 43M

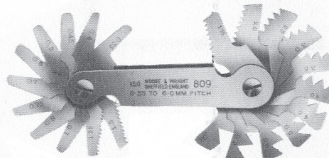
**MOORE
AND
WRIGHT**



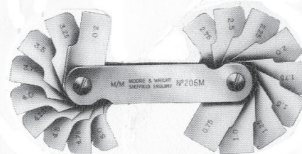
No. 200



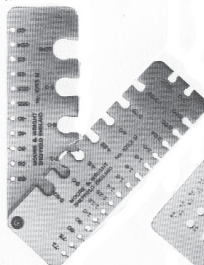
No. 806



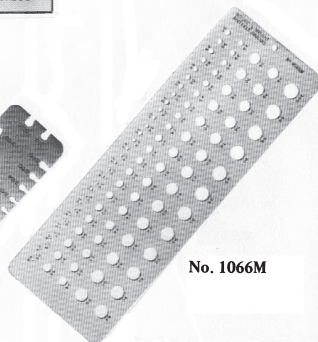
No. 809



No. 206M



No. 1053M



No. 1066M

Gauges

Depth

Reversible Base		
Code	Type	Price
43	Imperial	£18.60
43M	Metric	£18.62
With Protractor		
Code	Type	Price
44	Imperial	£37.64
44M	Metric	£37.68

Wire

Code	Type	Price
1052	Imperial	£32.90
1053M	Metric	£35.73

Drill

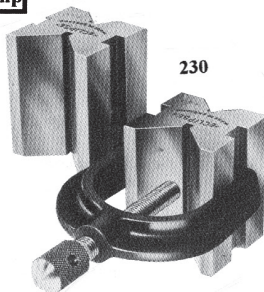
Code	Size	Price
1066M	0.5-10mm by 0.1mm	£94.59
1067M	0.5-13mm by 0.5mm	£51.75

Radius

Code	Type	Price
204	Imperial	£12.75
204A		£19.60
204M	Metric	£13.33
204MA		£19.60
206	Imperial	£16.35
206A		£23.76
206M	Metric	£17.75
206MA		£23.77

Vee Block & Clamp

Code	Price
230	£82.23



Screw Pitch

Code	Type	Price
801	Metric	£19.48
804	Whit/Metric	£30.68
809	Metric	£14.67
800	Whit	£16.59
806	Unified	£20.75

Feeler

Code	Type	Price
1608	Metric 8 blade	£3.20
1911R	Imp/Metric 18 blade	£4.64

Surface Gauge

Code	Price
E101B	£72.35
E106	£55.71

Screw Cutting

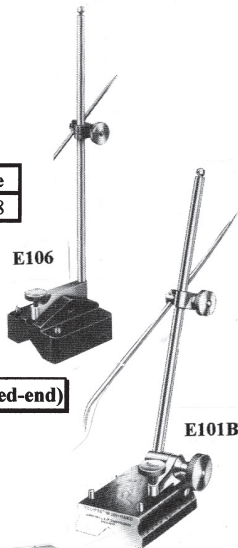
Type	Price
M&W 200	£7.08

Profile

Code	Price
1030N	£8.70

Angle Plate (Webbed-end)

Code	Price
E200	£52.78
E201	£59.43
E202	£95.16

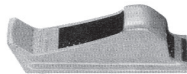


E101B

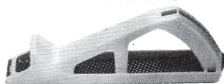
Webbed-end

Surform - Metal and Moulded Body

Metal Body



Moulded Body



Planerfile

A highly adaptable tool. Tough polypropylene handle can be set in two positions to enable use as either a plane or a file. Die-cast alloy body. Fitted with standard cut blade.

Code	Blade Length	Price each
5-21-122	250mm/10"	£15.03

Plane

Tough polypropylene handle. Die-cast alloy body. Fitted with standard cut blade.

Code	Blade Length	Price each
5-21-296	250mm/10"	£12.59

Flat File

Tough polypropylene handle. Die-cast alloy body. Fitted with standard cut blade.

Code	Blade Length	Price each
5-21-295	250mm/10"	£11.46

Block Plane

Die-cast alloy body. Fitted with fine cut blade

Code	Blade Length	Price each
5-21-399	140mm/5½"	£8.08

Round File

Especially useful for sculpturing, shaping or enlarging holes. Tough plastic handle. Front piece removable for blade change.

Code	Blade Length	Price each
5-21-297	250mm/10"	£8.33

Flat File

Glass reinforced polypropylene body. Thumb screw for quick blade release. Slight curve on blade for increased stock removal. Fine cut, can be used on push or pull stroke

Code	Blade Length	Price each
5-21-102	140mm/5½"	£5.49

Plane

Glass reinforced polypropylene body. Thumb screw for quick blade release. Fitted with standard cut blade

Code	Blade Length	Price each
5-21-103	250mm/10"	£8.76

Block Plane

Glass reinforced polypropylene body. Thumb screw for quick blade release. Fitted with fine cut blade

Code	Blade Length	Price each
5-21-104	140mm/5½"	£5.49

Shaver Tool

Polypropylene body. Compact and effective tool with curved blade for increased stock removal. Click action blade replacement. Works on pull stroke.

Code	Blade Length	Price each
5-21-115	64mm/2½"	£2.59

Surform - Replacement Blades

Standard Cut

10" Standard Cut Blade with teeth up to edge of Blade.

Code	Size Length x Width	To Fit	Price each
5-21-293	250mm x 42mm	21-103/122/295/296	£2.78

Fine Cut

10" Fine cut Blade for finishing work.

Code	Size Length x Width	To Fit	Price each
5-21-393	250mm x 42mm	21-103/122/295/296	£2.60

Half Round

10" Half Round Blade for stock removal and shaping curved surfaces.

Code	Size Length x Width	To Fit	Price each
5-21-299	250mm x 42mm	21-103/122/295/296	£3.26

Metal / Plastic Blade

10" Metal and Plastic Blade.

Code	Size Length x Width	To Fit	Price each
5-21-508	250mm x 42mm	21-103/122/295/296	£3.48

Round Blade

10" Round Blade.

Code	Size Length x Width	To Fit	Price each
5-21-291	250mm x 15mm	21-297	£4.35

Standard

2½" Shaver Blade - curved for stock removal. Works on pull stroke.

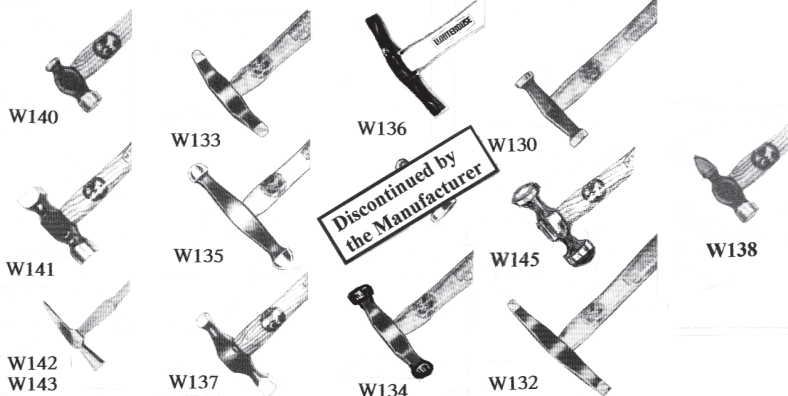
Code	Size Length x Width	To Fit	Price each
5-21-515	60mm x 42mm	21-115	£1.43

Fine Cut

5½" Fine Cut Blade for finishing work.

Code	Size Length x Width	To Fit	Price each
5-21-398	140mm x 42mm	21-102/104/399	£2.45

Art Metalworkers Hammers / Mallets



Code	Description	Price
W77	Long Head Panel Sq & Rd	£19.61
W130	Planishing 5oz Sq Face	£17.94
W132	Collet 6oz Head	£19.95
W133	Raising 9oz Head	£19.37
W134	Planishing 8oz Head	£19.38
W135	Blocking 10oz Head	£31.47
W136	Large Tray 10oz Head	£19.97

W410 Rawhide

Code	No	Size	Price
W-410-085A	No 3	44mm/1¼"	£15.69
W-410-125A	No 4	50mm/2"	£20.43
W-410-205A	No 5	63mm/2½"	£25.39

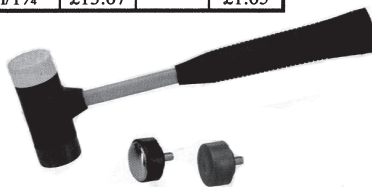
Code	Description	Price
W137	Collet 10oz Head	£19.95
W138	Planishing Rd Flat/Cone	£17.54
W140	Planishing 4oz	£16.73
W141	Planishing 10oz	£20.30
W142	Jewellers 1oz	£20.86
W143	Jewellers 2oz	£22.02
W145	Planishing Round/Dome	£16.70

W415 Plastic Faced

	Size	Price		Price
No 1	32mm/1¼"	£10.20	Spare faces	£1.05
No 2	38mm/1½"	£11.70		£1.25
No 3	44mm/1¾"	£13.67		£1.65

W406 Copper Faced

	Weight	Size	Price		Price
No 1	830g	32mm/1¼"	£11.98	Spare Face	£3.55
No 2	1260g	38mm/1½"	£16.99	Spare Face	£5.07
No 3	1975g	44mm/1¾"	£21.89	Spare Face	£6.95



Tinmans

Size	Price
38mm/1½"	£24.66
50mm/2"	£25.99
63mm/2½"	£35.84
75mm/3"	£39.16



Bossing

Size	Price
38mm/1½"	£22.31
50mm/2"	£31.98
63mm/2½"	£62.60



Hammers / Mallets

Engineers Ball Pein

Code	Weight	Price
H4-271004	4oz / ¼ lb	£6.90
H8-271008	8oz / ½ lb	£7.89
H12-271012	12oz / ¾ lb	£9.10
H16-271016	16oz / 1 lb	£9.99
H24-271024	24oz / 1½ lb	£11.50
H32-271032	32oz / 2 lb	£14.02



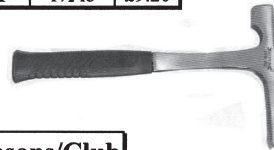
Claw

Code	Description	Price
1-51-031	16oz Steelmaster	£11.78
1-51-033	20oz Steelmaster	£13.03
20HW	20oz Eclipse	£8.40



Brick

Code	Weight	Price
B71	1½ lb	£9.20



Joiners Cross Pein (Warrington)

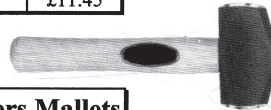
Code	Weight	Price
WH8-154000	8 oz	£9.59
WH12-154072	12 oz	£10.65
WH16	16 oz	£11.73

Code	Weight	Price
WC4-271204	4 oz	£5.41
WC8-271208	8 oz	£7.65
WC10-271210	10 oz	£8.95



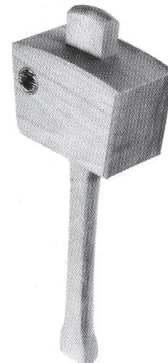
Masons/Club

Weight	Price
2½ lb	£9.75
4 lb	£11.45



Joiners Mallets

Size	Price
3½"	£6.25
4"	£6.96
4½"	£7.64
5"	£9.25



Pin (Cross Pein)

Code	Make	Price
1-54-077	Stanley	£10.42
271400	4oz	£6.13





Rules

900mm (36") Straight Edge		Price each
756040	Heavy duty Aluminium rule / straight edge Imperial & metric markings together with 90 & 180 degree vials	£7.50
Aluminium English/Metric		
75512	12"/300mm Dual markings Eng/metric	£1.88
75524	24"/600mm Dual markings Eng/metric	£4.36
75540	36"/1000mm Dual markings Eng/metric	£6.73

Stainless Steel Metric		Price each
R150M	150mm One Side Only, both edges mm	£1.84
R300M	300mm One Side Only, both edges mm	£2.87
R600M	600mm One Side Only, both edges mm	£5.17
Stainless Steel English/Metric		
R106ME	6"/150mm 8ths 16ths 32nds 64ths mm	£1.94
R112ME	12"/300mm 8ths 16ths 32nds 64ths mm	£2.88
R124ME	24"/600mm 8ths 16ths 32nds 64ths mm	£5.17
R39ME	39"/1000mm 8ths 16ths 32nds 64ths mm	£10.37

Stainless Steel		Price each
KMST300	300mm Metric one side only One edge marked in 0.5mm Divisions 10, 20mm etc Box marked 50, 100mm etc	£2.15

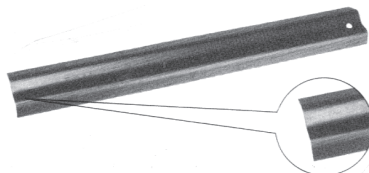
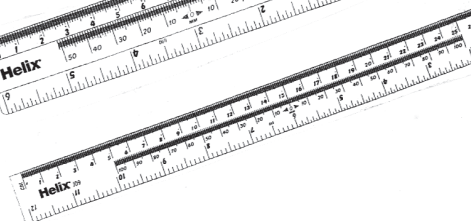
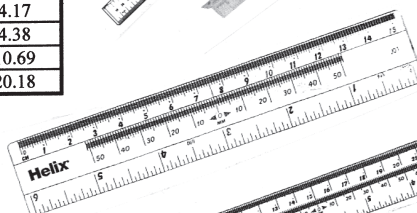
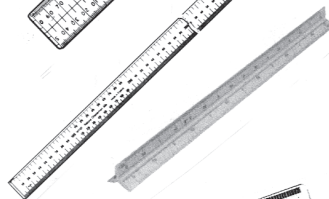
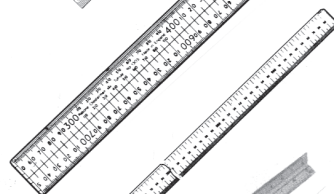
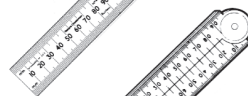
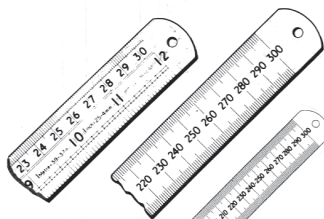
Scale Rules		Price each
LX09310	1:1:5:10:20:50:100:200:500	£4.92
LX09320	1:1:20:25:50:100:200:250:500	£4.99
K87010	1:1 2:1 1:4 1:2	£2.07
TA88010	Triangular 1:20:25:50:75:100:125	£1.91

Satin Chrome (Stainless Steel) English/Metric		Price each
FC06	6"/150mm	£2.38
FC07G	300mm Metric only	£4.17
FC12	12"/300mm	£4.38
FC24	24"/600mm	£10.69
FC39	39"/1000mm	£20.18

Hardwood Bench 25mm Wide		Price each
1597	1 mtr English/Metric	£12.90

Clear Plastic		Price each
JO3	6"/150mm	£0.19
JO9	12"/300mm	£0.55
L28	18"/450mm Shatter Resistant	£2.28
L16	12"/30cm Shatter Resistant	£0.70

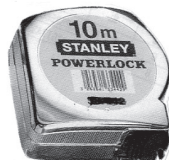
Safety Rule	Price each
300mm	£2.29



Measuring Tapes

Stanley Powerlock Tapes

Code	Description	Price
0-33-523	3mtr Metric/English 19mm Blade	£5.50
0-33-553	5mtr Metric/English 19mm Blade	£9.55
0-33-443	10mtr Metric/English 25mm Blade	£14.95



The Stanley Tapes

Code	Description	Price
1-30-686	3m/10ft Metric/English	£2.86
1-30-696	5m/16ft Metric/English	£4.50
1-30-656	8m/26ft Metric/English	£8.59



Closed Fibreglass Tapes

Code	Description	Price
0-34-296	20mtr Metric	£7.70
0-34-297	30mtr Metric	£10.41



K&M Choice Tapes

Code	Description	Price
KMTAPE 3131	3mtr Metric/English 13mm Blade	£1.90
KMTAPE 3151	5mtr Metric/English 19mm Blade	£2.70
KMTAPE 3152	7.5mtr Metric/English 25mm Blade	£5.50

Intellimeasure Ultrasonic Measurer

Measures distances up to 12m / 40' at $\pm 0.5\%$ accuracy. The easy to read LCD screen can add measurements and calculate area and volume.

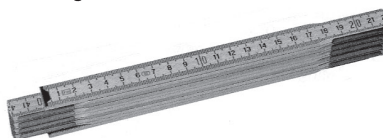
Code	Description	Price
0-77-018	Intellimeasure Ultrasonic Measurer	£33.09



Wooden/Plastic Folding Rule

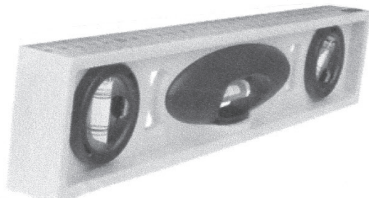
Metric Folding Wooden/Plastic rule graduated in mm, figured in centimetres. Deep etched black figures and graduations designed for long life.

Code	Description	Price
0-35-454	1m Plastic Rule	£4.20
0-35-455	2m Wooden Rule	£5.25



Levels

Stanley High Impact ABS Level



Easy to handle, lightweight shock resistant 3 vial level with top read vial for easy readability. Will not dent like aluminium levels. Ideal for use on finished surfaces with (non-marking) measuring scale for multi tasks. Made from high impact ABS plastic.

Code	Length	Price
1-42-474	300mm	£3.62
1-42-475	450mm	£4.61
1-42-476	600mm	£5.52
1-42-471	1200mm	£10.13

Torpedo Level

Aluminium



Heavy duty aluminium cast body with large top reading vial window for greater visibility and magnetic base. Three tinted 360 vials: plumb, horizontal and 45. The vials are easily replaced.

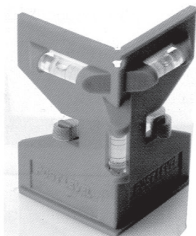
0-42-465	230mm long	£9.95
----------	------------	-------

Line Level

For hanging on a line to determine horizontal accuracy. Extruded aluminium with large hooks and an easy to read vial.

0-42-287	80mm long	£2.36
----------	-----------	-------

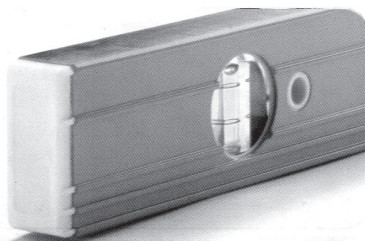
Post Level



5502	3 vial Post Level	£2.20
------	-------------------	-------

3 Vial Spirit Level

Box Section, ribbed 3 vials level



Code	Length	Price
5518	600mm/24"	£4.60
5519	800mm/32"	£5.49

Torpedo Level

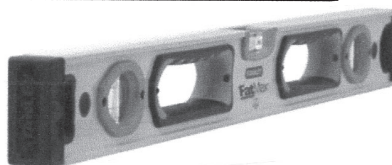
Plastic



Tough ABS plastic body fitted with three vials: plumb, horizontal and 45. Top reading feature allows greater visibility.

0-42-294	200mm long	£4.53
----------	------------	-------

Stanley FatMax 3 Vial Level



Heavy-duty box level, machine milled on two sides to ensure accuracy with improved vial views for ease of use. The large centre vial is bridged to allow a continuous line to be marked on the work piece. The dual bi-material grips are ideal for carrying and vertical levelling, and the levels have shock absorbing end caps for longer life. FatMax levels have an accuracy of $\pm 0.5\text{mm/m}$ on one face and $\pm 0.7\text{mm/m}$ on the other.

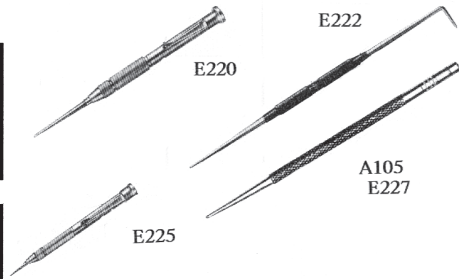
Code	Length	Price
1-43-524	600mm	£20.99
1-43-536	900mm	£25.21
1-43-548	1200mm	£29.42
1-43-572	1800mm	£50.45

Scribers / Calipers / Dividers

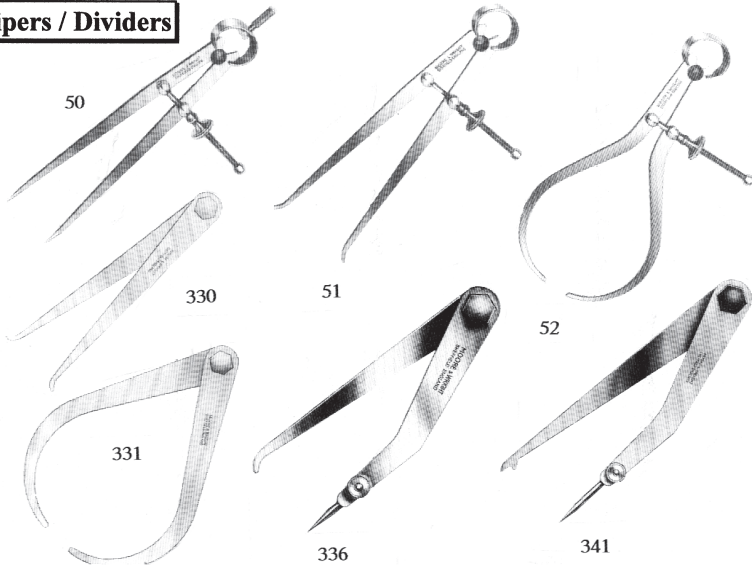
Scribers

Eclipse Scribers			Price
E227	4½"	Single Ended	£2.21
E222	Engineers	Double Ended	£3.07
E220		Pocket	£5.32
E225		Pocket	£10.49

K & M Scribers			Price
A105	4½"	Single Ended	£1.55
A122	Engineers	Double Ended	£2.25



Calipers / Dividers



Calipers					
Inside (Spring Type)			Outside (Spring Type)		
Code	Size	Price	Code	Size	Price
51/3	3"	£11.51	52/3	3"	£11.52
51/4	4"	£11.76	52/4	4"	£11.77
51/6	6"	£12.66	52/6	6"	£12.67
51/8	8"	£18.12	52/8	8"	£18.13
Inside (Firm Joint)			Outside (Firm Joint)		
Code	Size	Price	Code	Size	Price
330/6	6"	£5.58	331/6	6"	£7.08
330/8	8"	£9.14	331/8	8"	£9.72

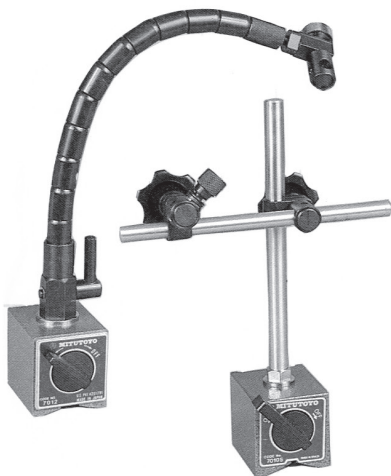
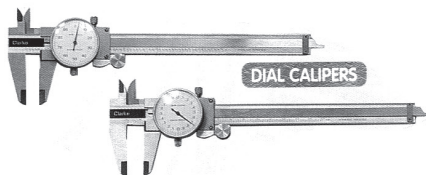
Jenny Calipers (Odd Leg)			
Code	Type	Size	Price
336/6	Adj/Point	6"	£9.71
341/5	Adj/Spur & Pt	5"	£8.51

Dividers (Spring Type)		
Code	Size	Price
50/3	3"	£11.50
50/4	4"	£11.75
50/6	6"	£12.65
50/8	8"	£18.11

Calipers and Dial Gauges

Vernier & Dial Calipers

Model	Range	Type	Price
5921	6"	Dial	£22.26
5921M	150mm	Dial	£9.99
5973	6"/150mm	Vernier	£22.26



Magnetic Stands

Model	Type	Price
7010S	Magnetic Stand	£65.00
7012	Flexi Stand	£118.56

Dial Gauges / Indicators

Model	Reading	Range		Graduations	Price
		Rev	Total		
03-0677	*0-100	1	5	0.01mm	£28.50
2046	*0-100	1	10	0.01mm	£31.10
2109F	0-100-0	0.2	1	0.001mm	£65.32
2411-08	0-50-0	0.1	0.25"	0.001"	£34.22
2412-08	*0-100	0.1	0.4"	0.001"	£34.53
2413-08	0-50-0	0.1	0.4"	0.001"	£34.53
2416	*0-100	0.1	0.1"	0.001"	£49.20
2805-10	*0-5-0	0.01	0.05"	0.0001"	£74.99

*With Revolution Counter

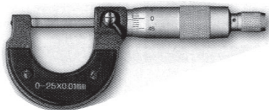


Micrometers and Vernier Measuring

External Micrometer

0-25mm Micrometer with satin chrome thimble and sleeve. Resolution 0.01mm

Code	Price
MIC-EX25	£15.20



External Digital Micrometer

0-25mm Precision Micrometer with digital read out metric and imperial settings. Resolution 0.001mm/0.00005"

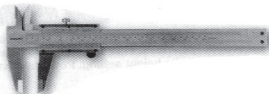
Code	Price
MIC-DG25	£56.90



Vernier Caliper

0-150mm x 0.2mm High carbon steel Vernier Caliper. Two way measurement, internal and external.

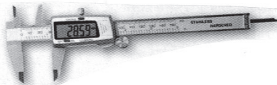
Code	Price
VC-CS150	£11.22



Digital Vernier Caliper

Four function measurement, internal, external, depth and step. Thumb lock adjustment and zero setting at any position.

Code	Size	Price
DVC-CS150	150mm	£16.21
DVC-CS200	200mm	£28.80
DVC-CS300	300mm	£39.98



Vernier Jumbo Caliper

Made from extruded aluminium. Head depth 80mm. Reversible head for inside measurements. Metric scale 0-610mm.

Code	Price
VJC-AL610	£15.20



Mitutoyo Micrometers

Series 103

Enamelled frame of modular cast iron friction micrometers

Code	Range	Reading	Price
103-137	0-25mm	0.01mm	£55.90
103-135	0-1"	0.0001"	£44.90

Series 101

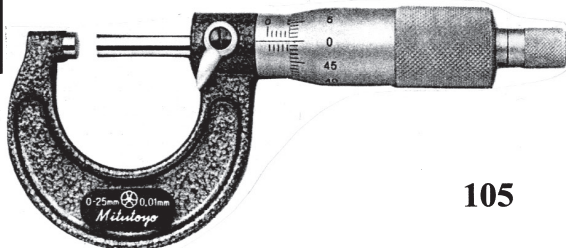
Satin finished carbide tipped micrometers with forged steel frame which are tapered for hard to get at places. S designates Standard type. F designates Friction type.

Code	Range	Reading	Price
101-105S	0-1"	0.001"	£52.20
101-109F	0-1"	0.001"	£52.20
101-113S	0-1"	0.0001"	£58.20
101-114S	1-2"	0.0001"	£75.60
101-116F	25-50mm	0.001mm	£75.60
101-117F	0-1"	0.0001"	£58.20

Depth Micrometer

0-75mm Depth Micrometer with three interchangeable rods. Base size 60mm.

Code	Price
129-110	£116.00



Vernier Calipers

With Thumb Lock for rapid accuracy, the stop is easily operated by thumb.

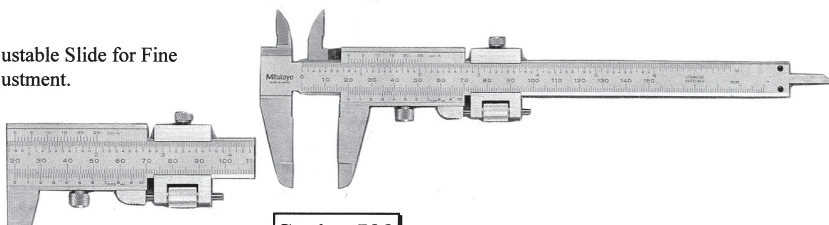


Series 531

531 Series Vernier Calipers are provided with lock instead of traditional stop screw; handling is trouble-free due to easy lever-operation. Incorporates "Quadri" feature.

Code	Range	Vernier Scale	Price
531-128	150mm / 6"	0.02mm / 0.001"	£56.50

Adjustable Slide for Fine Adjustment.



Series 532

532 Series Vernier Calipers are specially designed to meet the demand of the industries where fine adjustment feature is essential.

Code	Range	Vernier Scale	Price
532-119	130mm / 5"	0.02mm / 0.001"	£65.50
532-120	180mm / 7"	0.02mm / 0.001"	£89.00
532-121	280mm / 11"	0.02mm / 0.001"	£192.50
532-101	130mm	0.02mm	£65.50
532-102	180mm	0.02mm	£89.00
532-103	280mm	0.02mm	£192.50



LCD Vernier Caliper

Code	Description	Range	Resolution	Price
500-171U	Electronic Caliper	150mm/6"	0.01mm/0.0005"	£154.95
500-172U	Electronic Caliper	200mm/8"	0.01mm/0.0005"	£195.65

Micrometers

Standard Micrometers

Blue Textured Finish

Code	Range	Reading	Price
965M	0-25mm	0.01mm	£41.12
965MB	0-25mm	0.002mm	£46.38
965M50	25-50mm	0.01mm	£59.08
965M75	50-75mm	0.01mm	£75.25
965M100	75-100mm	0.01mm	£84.88
965	0-1"	0.01"	£41.12
965B	0-1"	0.0001"	£46.38
966/2	1-2"	0.01"	£65.19
966/3	2-3"	0.01"	£82.25
966/4	3-4"	0.01"	£90.99



**MOORE
AND
WRIGHT**

Depth Micrometers

Code	Range	Rods	Price
890M	0-25mm		£99.99
890	0-1"		£99.99
901M	25-55mm	3	£106.31
902M	50-210mm	8	£129.06
901	1-2"	2	£106.31
902	2-8"	6	£129.06

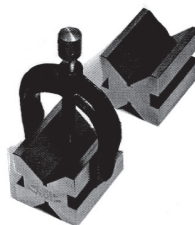


Magnetic Bases

Model	Price
E900WFMW	£47.09
E901WFMW	£87.69
E905WFMW	£36.45

Vee Blocks

Code	Price
230	£82.23

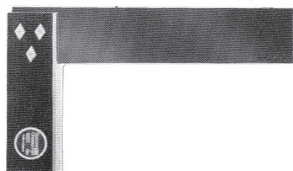


We would be pleased to supply your other requirements in the
ECLIPSE / M&W range.

Squares / Bevels

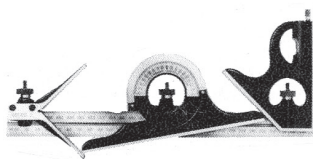
Mitre

Size	K&M 250	Marples M2210
10"	£17.01	£18.09



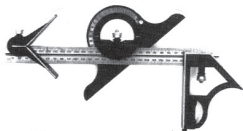
Carpenters

Size	K&M Rosewood	Marples M2200
6"	£8.35	£24.10
9"	£9.95	£28.23
12"	£12.85	£34.46



Combination Set

Moore & Wright Silverline
CSME12 £164.65 F485ME 12" £10.75



Quick Square

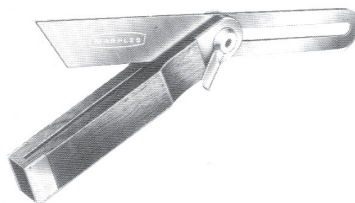
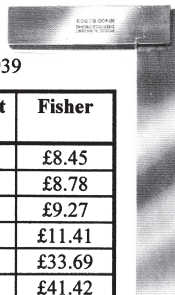
0-46-052 £15.41



Engineers

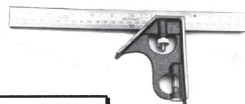
Precision Ground to BSS939

Size	Moore & Wright 400	Fisher
2"	-	£8.45
3"	£17.62	£8.78
4"	£17.65	£9.27
6"	£22.43	£11.41
9"	-	£33.69
12"	-	£41.42



Sliding Bevels

Size	K&M Rosewood
7½"	£9.20
9"	£10.70
10½"	£11.61

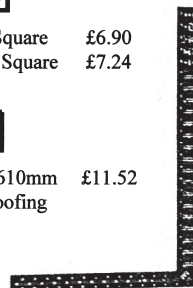


Combination Squares

F411ME 6" Combination Square £6.90
F422ME 12" Combination Square £7.24

Rafter & Try Square

F12401MR 16"x 24" 406x610mm £11.52
Steel Metric Roofing
square



Tube Benders

Universal Portable Tube Bender

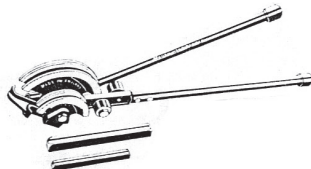
Code	Description	Price
BEM25	Machine with 20 & 25 Formers	£409.99
BEM32	Machine with 20, 25 & 32 Formers	£436.99
BECM28	Machine with 15, 18, 20, 22 & 25 Formers	£569.99



Handibender

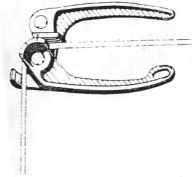
Machine complete with Formers and Guides. Copper and Stainless Steel Tube.

Code	Size	Price
218M	15mm & 22mm	£85.05



Mini Bender

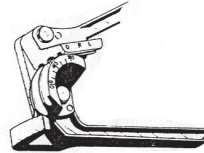
Bends small diameter (3mm, 4mm and 6mm) Annealed Copper, Stainless Steel, Aluminium and Steel Tubes.



Code	Price
210	£22.25

211 Midi Bender

For 6mm, 8mm and 10mm OD Copper, Brass, Aluminium and Steel. Ideal for Microbore Pipe.



Code	Price
211	22.45

Formers & Guides

Formers for BEM25, BEM32 & BECM28

Size	Formers	Type	Price
16mm	B16F	Aluminium Former (Conduit)	£38.33
20mm	B20F		£38.79
25mm	B25F		£55.54
32mm	B32F		£70.41

Formers and Guides for BECM28

Size	Formers Code	Price	Guides Code	Price
15mm	B15F	£37.96	B15G	£11.88
22mm	B22F	£41.66	B22G	£20.79
28mm	B28F	£55.41	B28G	£24.41
35mm	B35F	£74.99	B35G	£61.21
42mm	B42F	£105.83	B42G	£74.96

B15F - 15mm Former



B15G - 15mm Guide



B22F - 22mm Former



B22G - 22mm Guide



B28F - 28mm Former



B28G - 28mm Guide



Electric Nail & Staple Guns

140EL Professional Electric Stapler & Nailer

Professional 230 volt Electric Stapler & Nailer. The 140EL is a lightweight, high impact tacker for those heavy-duty applications, taking the standard 140 heavy gauge staples & nails.

Features include;
Staple/nail refill window
Ultra quick release reloading system
Single shot trigger
Safety on/off switch



Code	Description	Pack Size	Price
TES-0140	140EL Nail & Staple Gun		£29.38
TES-N580	18g 5/8" (15mm) Nails	Pack of 2000	£5.10
TES-N340	18g 3/4" (20mm) Nails	Pack of 1000	£3.22
TES-N100	18g 1" (25mm) Nails	Pack of 1000	£3.82
TES-S006	6mm Staples	Pack of 2000	£2.35
TES-S008	8mm Staples	Pack of 2000	£2.46
TES-S010	10mm Staples	Pack of 2000	£2.74
TES-S012	12mm Staples	Pack of 2000	£2.85

BTX530 Cordless Li-Ion Battery Tacker

The Rapid cordless BTX530 is powered by a 7.2V lithium ion battery. It can fire more than 1300 staples off a single charge, and works on many different materials at high speed. Light in weight and designed to be comfortable in use.

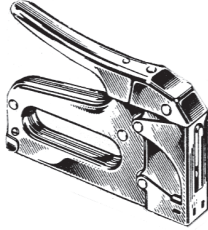


Code	Description	Pack Size	Price
BTX-0530	Cordless Battery Taker/Gun		£75.29
BTX-B015	15mm Brads	Pack of 1000	£5.64
BTX-S006	6mm Staples	Pack of 2500	£2.42
BTX-S008	8mm Staples	Pack of 2500	£2.67
BTX-S010	10mm Staples	Pack of 2500	£3.08
BTX-S012	12mm Staples	Pack of 2500	£3.30
BTX-S014	14mm Staples	Pack of 2500	£3.55

Stapling Machines & Staples

T50 Staple Gun Tacker

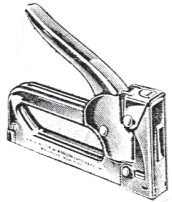
All purpose Heavy Duty Gun. All Chrome finish.



Code	Description	Price
T50P	Gun only	£27.79
T50-504A	1250 Staples 1/4"/6mm	£1.75
T50-504	5000 Staples 1/4"/6mm	£6.75
T50-505A	1250 Staples 5/16"/8mm	£1.78
T50-505	5000 Staples 5/16"/8mm	£6.85
T50-506A	1250 Staples 3/8"/10mm	£2.11
T50-506	5000 Staples 3/8"/10mm	£7.56
T50-508A	1250 Staples 1/2"/12mm	£2.23
T50-508	5000 Staples 1/2"/12mm	£8.35

JT21MC Staple Gun Tacker

Light household duty staple gun with chrome finish.

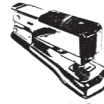


Code	Description	Price
JT21MC	Chrome Tacker	£14.03
JT21-214	5000 1/4" staples	£7.35
JT21-215	5000 5/16" staples	£7.40



107 Desk Stapler

Standard stapler manufactured in ABS with an inner metal chassis for added strength.



Code	Description	Price
107	Desk Stapler	£6.50
107-2614	5000 1/4" 26G staples	£2.39
107-2414	1000 1/4" 24G staples	£1.99

P22 Plier Type Stapler

Heavy duty industrial throat depth 63mm.



Code	Description	Price
P22	Stapler	£18.80
P22-224	5050 1/4" staples	£2.52
P22-225	5050 5/16" staples	£2.81

P66 Light Duty Hand Stapler



Code	Description	Price
P66	Stapler	£3.67
P66-S66	1000 staples	£0.59
P66-S66PP	2400 staples	£1.30

SL50 Staple Lifter

Staple remove lifter.



Code	Description	Price
SL50	Staple Lifter	£1.68

Dowelling

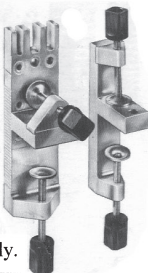
Universal Wood Dowelling set 3750

The all round dowelling tool for wood joints.

For corner, T butt and edge to edge.

For 6, 8 & 10mm wood dowel pins. The ideal kit, complete with 8mm drill depth stop and 40 8mm dowels.

6mm, 8mm, and 10mm dowel and drills are available separately.

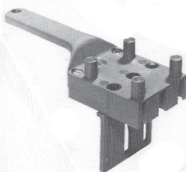


Code		Price
3750	Dowelling Jig	£18.65

Dowelmaster 4640

The Universal and Quick dowelling jig for corners and T butt joints.

Suitable for 6, 8 & 10mm dowels.



Code		Price
4640	Dowelmaster	£10.14

Set of 3 Depth Stops 2751

For 1/4-5/16-3/8" (6-8-10mm).

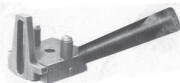
Ensures drilling of precise depth of hole.



Code		Price
2751	Set of Depth Stops	£2.07

Hobbymate WSL

The dowelling jig for Corner and T-butt joints.



Code		Price
4604	10mm (3/8")	£5.08

Dowel Drills

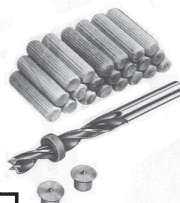
With depth stop

Code		Price
2730	6-8-10mm	£6.56
2731	6mm	£2.51
2732	8mm	£2.77
2733	10mm	£3.29



Dowel Kit

Each Kit contains:
Special Wood Drill,
Depth Guide, 2
centre Points and
specially fluted dowels.
Max. Safe Speed 3500rpm



Code		Price
2916	6mm	£3.48
2917	8mm	£3.80
2918	10mm	£4.37

2 Centre Points

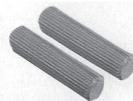
For accurate and easy dowel hole matching.



Code		Price
2911	6mm (1/4")	£0.97
2912	8mm (5/16")	£1.03
2913	10mm (3/8")	£1.08
2914	12mm (1/2")	£1.10

Fluted Hardwood Dowels

Best Quality air-dried beech wood.

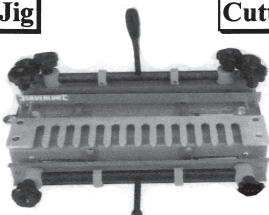


Code	Size	No (approx.)	Price
2906	6x30mm	50	£1.15
8511	6x30mm	500	£9.56
2908	8x40mm	40	£1.15
8512	8x40mm	600	£16.74
2910	10x40mm	30	£1.15
8513	10x40mm	482	£16.74

Dovetail Jig

DJ6936 Dovetail Jig

Allows both part of joint to be cut simultaneously for perfect results. Up to 300mm width capacity, suitable for most 1/4" routers. Features quick action eccentric clamps and 1/2" comb table.

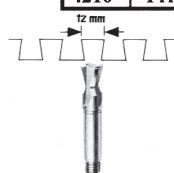


Code	Description	Price
DJ6936	Dovetail Jig	£42.95

Cutters for old 4205 (wolfcraft)

12mm Stand. Dovetail Bit

4210	Price:	£5.31
------	--------	-------



Trowels

London pattern Brick Trowel

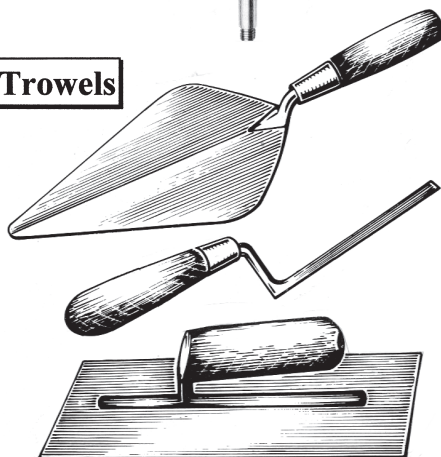
106	5"	£4.00
106	6"	£4.00
106	8"	£4.80
106	10"	£6.63
106	12"	£8.96

Tuck Pointing Trowel

104/6	3/8"	£4.00
104/6	1/2"	£4.00

Finishing Trowel

124DB	11" x 4 1/2"	£5.54
-------	--------------	-------



String/Twine

Polypropylene Twine

MA19261	1Kg	£9.58
MA76451	2.25Kg	£18.61

Cotton Twine

MA19252	Thin	250g	£4.34
MA19253	Thin	500g	£8.34
MA19254	Medium	125g	£2.10
MA19255	Medium	250g	£3.99
MA19256	Medium	500g	£8.08

Sisal Twine

MA19262	2.5Kg	£18.17
---------	-------	--------

Cotton String

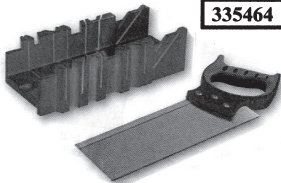
MA19260	40mtr	£0.99
---------	-------	-------



Sawing Aids/ Clamps & Cutters

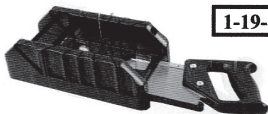
Mitre Box & Saw

Lightweight, High-impact ABS plastic mitre box with saw, 90°, 45°, 22.5° cutting angles. Fixing holes for fastening to the work bench.



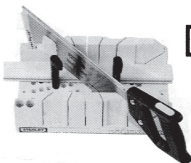
	Price each
335464	£8.33

Saw Storage Mitre Box with saw



	Price each
1-19-800	£11.50

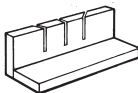
Clamping Mitre Box with Saw



	Price each
1-20-600	£17.05

431 Mitre Blocks

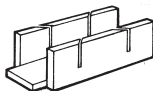
Selected beechwood, sides and base, tongued and grooved, glued construction.



	Price each
431 9"	£3.95

432 Mitre Boxes

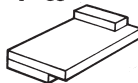
Selected beechwood, sides securely glued and screwed to base. Drilled for bench mounting.



	Price each
432 9"	£6.50

424 Bench Hook

Selected beechwood, end blocks reinforced with screws and plugged with wooden dowels.



	Price each
424	£8.75

333 Sanding Blocks

Compressed cork. Used with abrasive papers.



	Price each
333	£0.75

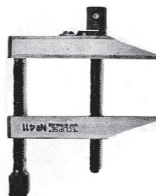
455 Web Stretcher

Selected beechwood. Supplied with retaining peg on chain.



	Price each
455 3"	£5.38

Toolmaker Clamps



	Price each
410 2"	£14.27
411 3"	£15.78
412 4"	£20.46

Bolt Cutters - Record

Size	Code	High Tensile Centre Cut Price each
14"	BC914H	£75.38
18"	BC918H	£91.15
24"	BC924H	£125.53
30"	930H	£180.25
36"	936H	£248.63



K&M Craft

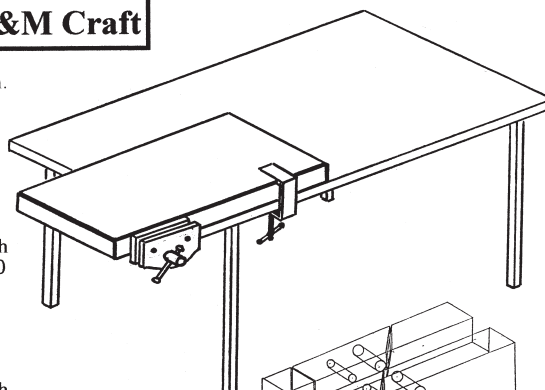
Workstation

Convert your existing tables to a Workstation.

Advantages:

1. Low Cost
2. Use existing tables
3. Fixed and removed with ease
4. Positive location with flush fitting clamp
5. Woodworking/Craft Vice included
6. May be fixed to side or end of table.

Price each
£39.20



Sawing Aids

Code	Size	Price each
SA600	6mm Square Timber	£2.99
SA100	10mm Square Timber	£2.99
SA120	12mm Square Timber	£2.99

Combo 3

Bench Hook / Sawing / Mitre Block Price each £1.49

Axle Block

Available in two sizes 2mm & 4mm
Solves the problem of wheel alignment, can be glued, pinned or screwed to the body of the vehicle.

Code	Size	Price per 100
AB2000	2mm	£9.59
AB4000	4mm	£9.65

Helping Hands

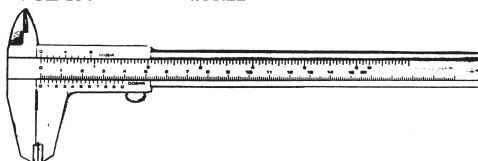
Code	Description	Price each
HH200400	With Glass Magnifier	£4.66



Vernier Caliper / Slide Gauge

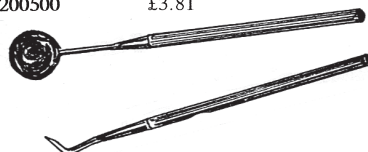
Metric/Imperial
0-150mm/0-6"

Code	Price each
VCE 150	£11.22



Inspection Mirror & Probe

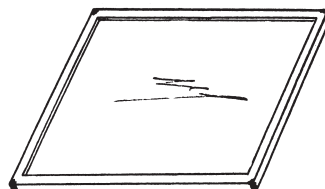
Code	Price each
IM200500	£3.81



Science/Inspection Mirror

Perspex mirror encased in black plastic.
Safe to use.

Size	Price each
80mm x 105mm x 5mm	£0.50



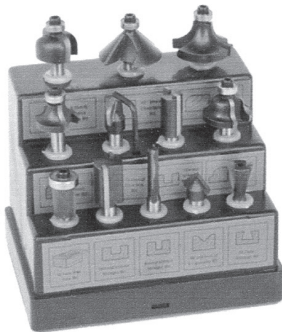
Special Offers

Router Bit Sets

RB1214

12 piece 1/4" shank. Precision made tungsten carbide tipped.

£13.99

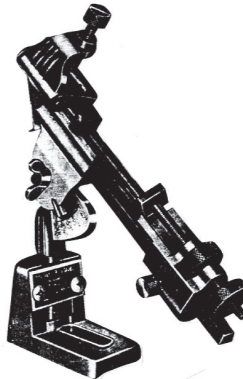


Drill Grinding Attachment

DGA 1335

A simple accurate device for sharpening drill bits from 3mm to 12mm.

£8.90

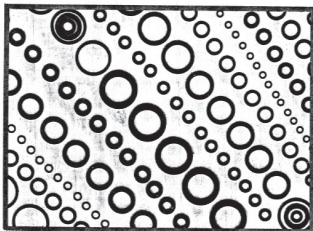


O-Ring Assortment

ORF1225

200 Pieces from 3x1mm - 22 x 2mm.

£9.30

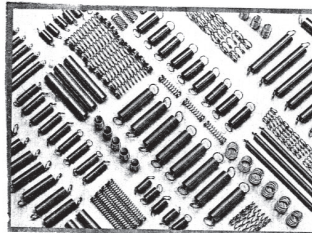


Spring Assortment

SAF1200

200 springs. Mix of compression and extension from 5x20-8x44mm.

£12.70

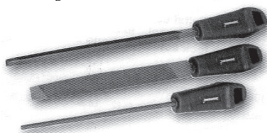


File Sets

FS3-6

3 Pieces. 6" 2nd cut. 1 each of flat, round and three square complete with handles.

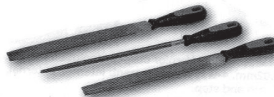
£4.62



FS3-10

3 Pieces. 10" 2nd cut. 1 each of flat, half round and round complete with handles.

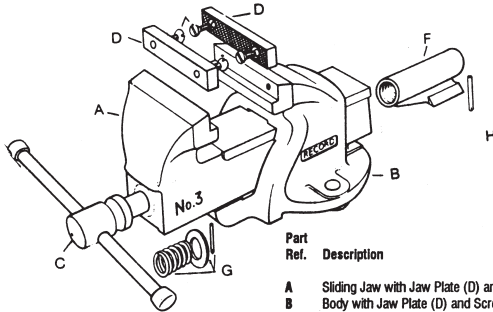
£6.67



Spare Parts Record

Available while stocks last

Mechanics Vice No 1 - 8

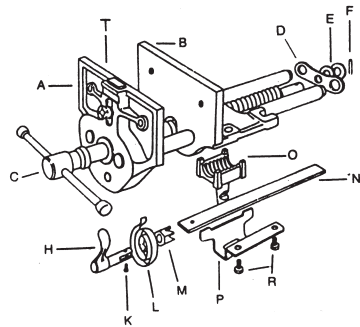


Please state diameter of thread

Part Ref.	Description	Vice No.					
		No. 1	No. 3	No. 4	No. 5	No. 6	No. 8
A	Sliding Jaw with Jaw Plate (D) and Screws (E)	25.85	48.69	80.10	86.96	119.88	180.93
B	Body with Jaw Plate (D) and Screws (E)	29.36	54.20	92.08	102.92	133.10	198.94
C	Main screw with Handle (C), Nut (F), Pin (H), Spring Washer and Pin (G)	24.95	37.86	57.79	66.33	67.99	73.74
D	Pair of Jaw Plates with Screws	11.54	17.61	31.43	31.65	44.53	59.99
F	Nut (F), Pin (H), Spring Washer and Pin (G)	7.31	9.07	13.35	14.28	14.40	14.60
G	Spring Washer and Pin (G)	3.37	3.54				

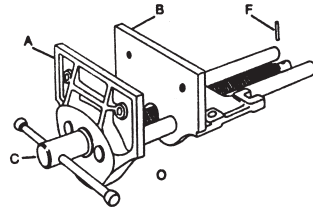
Quick Release Vice No 52-53

Part Ref.	Description	Model No.		
		52ED	52½ED	53ED
A	Sliding Jaw	67.20	89.30	91.00
B	Body	69.53	114.70	120.89
C	Main Screw with Handle & Washers (E) and Pin (F) & Nut (O)	72.33	94.15	94.15
D	End Bracket with End Washers & Pin (F)	10.96	10.96	10.96
H-N	Trigger complete	19.58	19.58	19.58
L	Trigger Spring and Nut	10.03	10.03	10.03
O	Nut with Nut Guide and Screws (R)	19.28	27.50	27.50
T	Front Dog with Screws and Washers	10.03	10.03	10.03



Plain Screw Vice No 52 - 53

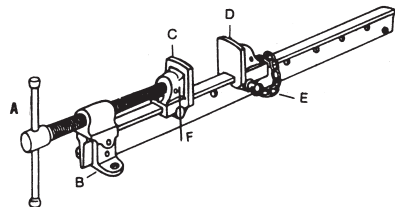
Part Ref.	Description	Model No.		
		52PD	52½PD	53PD
A	Sliding Jaws	29.05	36.46	40.51
B	Body	30.02	37.78	41.92
C	Main Screw with Handle and Pin (F) and Nut (O)	31.85	40.09	40.09
O	Nut	10.27	13.67	13.67



Sash Cramps

Part Ref.	Description	Model No.	
		135	136
A	Main Screw and Handle	11.35	30.05
B	Head	26.03	50.32
A-C	Main Screw with Working Slide	14.91	24.18
D	Tailslide with Peg and Chain	5.51	7.87
E	Peg and Chain	0.72	0.72
F	Thrust Pad and Pin	35.88	69.23
HWM	Head Working Slide		

Discontinued by the Manufacturer



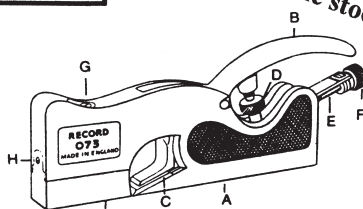
Spare Parts Record

Available while stocks last

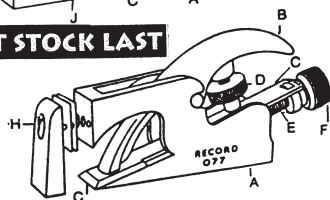
Rebate Planes

No. 073, 077

Part Ref.	Description	073	077
KIT	Fastener Kit containing Lever Cap Screw, Cutter Adjusting Screw & Nut, Mouth Locking Screw & Washer, Mouth Adjusting Screw (073) or Nose Locking Screw (077) (Parts D,E,F,G,H)	14.62	11.21
A	Body with Adjustable Mouth (J)	96.92	53.25
B	Lever Cap & Screw	39.73	20.43
C	Cutter	8.98	7.38
G	Mouth Locking Screw & Washer	3.49	-
H	Mouth Adjusting Screw (073)	1.92	-
H	Nose Locking Screw (077)	-	1.92

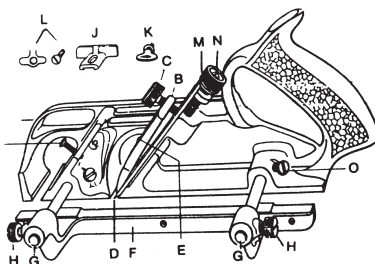


WHILST STOCK LAST



No. 778

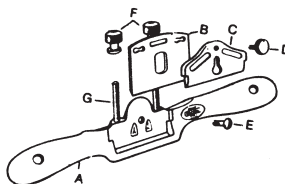
Part Ref.	Description	LP
KIT	Fastener Kit containing Lever Cap Screw, Pair Fence Lock Screws, Pair Body Arm Setscrews, Lever Cap Knurled Screw, Cutter Adjusting Nut & Screw, Locking Screw & Washer for Depth Gauge, Spur & Screw (Parts E,H,O,C,M,N,K & L)	23.81
A	Body	45.21
B	Lever Cap with Knurled Screw and Lever Cap Screw (Parts B,C,E)	8.17
F	Fence with Knurled Screws (H)	29.99
G	Fence Arms (each)	3.70
H	Pair of Fence Lock Screws	5.12
J	Depth Gauge with Screw and Washer (K)	3.85
L	Spur and Screw	1.54
M	Cutter Adjusting Nut and Screw	6.48
O	Body Arm Setscrews (Pair)	2.08



Spokeshaves

No. 151 & 151R

Part Ref.	Description	LP
KIT	Fastener Kit containing Cutter Clamping Screw, Lever Cap Screw, Pair of Cutter Adjusting Nuts & Studs (Parts D,E,F & G)	10.43
A	Body with Screws E and G	12.32
B	Cutter (For Prices see Page 351)	6.65
C-D	Lever Cap with Screws D & E	7.06
F	Pair of Cutter Adjusting Nuts and Studs	



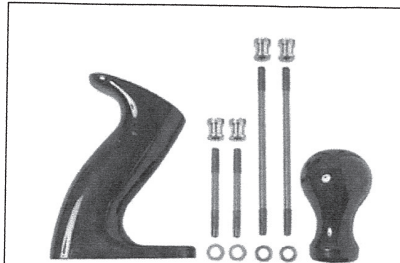
Stanley Spare Parts

1-12-700 Standard Bailey Handles

Price £11.08

Spares kit 1 to fit product numbers 12-003, 12-013, 12-004, 12-014, 12-048 and 12-904.

12176C Handle x 1, 32975C Handle Rod (metric) x 1, 83232C Handle Rod (imperial) x 1, 12192C Knob x 1, 32988C Knob Rod (metric) x 1, 83245C Knob Rod (imperial) x 1, 36122C Knob and Handle Nuts (metric) x 2, 34435C Knob and Handle Nuts (imperial) x 2, 26951C Knob and Handle Washers x 4.

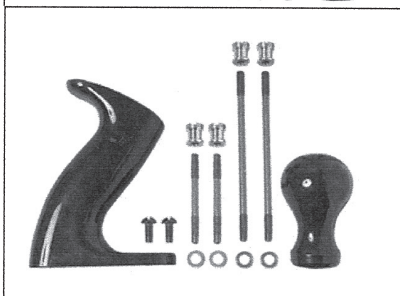


1-12-701 Large Bailey Handles

Price £11.15

Spares kit 2 to fit product numbers 12-045, 005, 055, 006, 007, 145, 015, 155, 016, 011 and 017 plus 12-905 and 906.

12216C Handle x 1, 33001C Handle Rod (metric) x 1, 83258C Handle Rod (imperial) x 1, 12192C Knob x 1, 32988C Knob Rod (metric) x 1, 83271C Knob Rod (imperial) x 1, 36122C Knob and Handle Nuts (metric) x 2, 34435C Knob and Handle Nuts (imperial) x 2, 26951C Knob and Handle Washers x 4, 37113C Handle Toe Screw (metric) x 1, 83284C Handle Toe Screw (imperial) x 1.

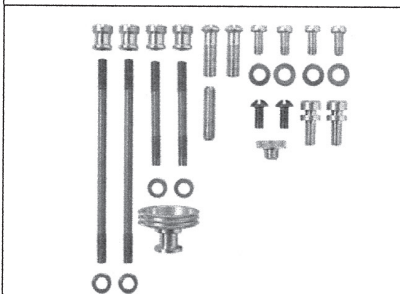


1-12-702 Plane Screws & Nuts

Price £10.76

Spares kit 3 to fit product numbers 12-003, 004, 045, 005, 055, 006, 007, 013, 014, 145, 015, 155, 016, 017, 204, 205, 011 and 048.

36083C Frog Screw (metric), 83287C Frog Screw (imperial), 22511C Frog Washer, 33066C Lever Screw, 36096C Frog Adjusting Screw (metric), 32864C Frog Adjusting Screw (imperial), 33009C Cap Screw, 32975C Handle Rod (metric), 33001C Handle Rod (metric) (large handle), 83232C Handle Rod (imperial), 32988C Knob Rod (metric), 83245C Knob Rod (imperial), 83271C Knob Rod (imperial) (large knob), 36122C Knob and Handle Nuts (metric), 34435C Knob and Handle Nuts (imperial), 26951C Knob and Handle Washers, 37113C Handle Toe Screw (metric), 36396C Handle Toe Screw-Imperial, 34419C Cutter Adj Nut (brass), 34427C Adj Nut Screw.



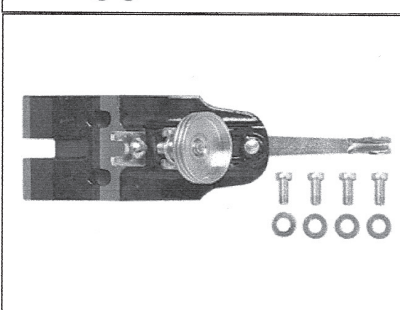
1-12-703 Bailey Plane Frog 1.3/4"

Price £14.90

Spares kit 4 to fit product numbers 12-003, 011, 013 and 048.

Contents:

73989C Frog Complete x 1.
36083C Frog Screw (metric) x 2.
83297C Frog Screw (imperial) x 2.
22511C Frog Washer x 4.



Spare Parts Stanley

1-12-705 Bailey Plane Frog 2.3/8"

Price £15.10

Spares kit 6 to fit product numbers 12-045, 055, 006, 007, 145, 155, 016 and 017.

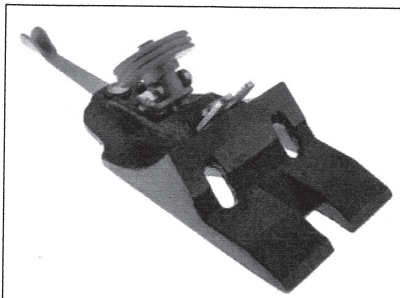
Contents:

74003C Frog Complete x 1.

36083C Frog Screw (metric) x 2.

83297C Frog Screw (imperial) x 2.

22511C Frog Washer x 4.



1-12-706 Lever & screw 1/3/4"

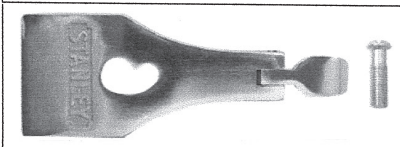
Price £15.05

Spares kit 7 to fit product numbers 12-003, 011, 013 and 048.

Contents:

73923C Lever Assembly x 1.

330066C Lever Screw x 1.



1-12-707 Bailey Lever & screw 2"

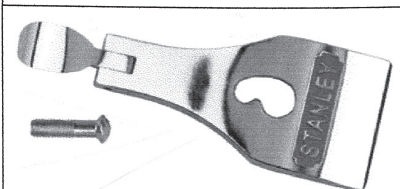
Price £15.38

Spares kit 8 to fit product number 12-004, 005, 014, 015, 204 and 205.

Contents:

73923C Lever Assembly x 1.

330066C Lever Screw x 1.



1-12-709 Block Plane Kit

Price £11.20

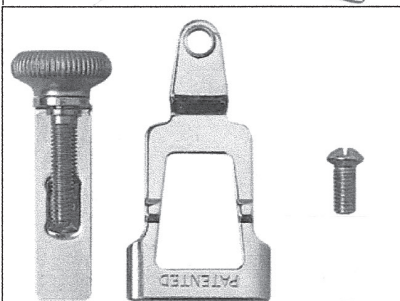
Spares Kit 10 Block Plane Cutter Adjust and Front knob to fit product numbers 12-020, 060, 220, 12-252, 920 and 960.

Contents:

1 of 91508C Cutter Adj Slide Assembly.

1 of 91176C Lateral Adj Lever.

1 of 91281C Lever Screw.



1-12-711 Plane Lever & Screw

Price £10.90

Spares Kit 12 Block Plane and Lever & Screw Low Angle to fit product numbers 12-060, 12960.

Contents:

1 of 91565C Lever Assembly.

1 of 91281C Lever Screw.



We have extensive stocks of some individual items from above please ask for availability and prices

Stanley Spare Parts

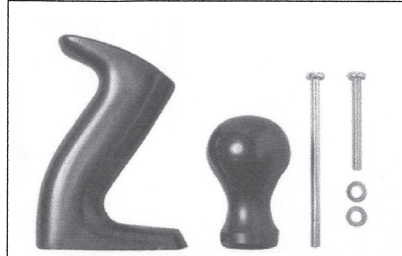
1-12-712 Plane Handles

Price £11.20

Spares Kit 13 Plane Handle to fit product numbers 12-204, 205, 033, & 044, 12203 & 404.

Contents:

- 1 of 12298C Handle.
- 1 of 37595C Handle Screw (metric).
- 1 of 12305C Knob.
- 1 of 37619C Knob Screw (metric).
- 1 of 26915C Knob & Handle Washers.



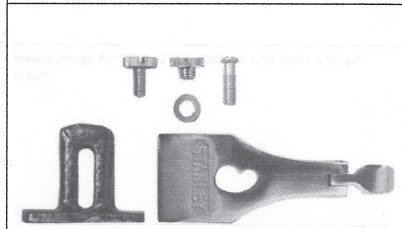
1-12-713 Lever & Depth Gauge

Price £11.30

Spares Kit 14 No. 78 Lever & Depth Gauge to fit product numbers 12078 and 12978.

Contents:

- 1 of 16786C Lever.
- 1 of 37643C Thumb Screw.
- 1 of 33544C Lever Screw.
- 1 of 16704C Depth Gauge.
- 1 of 55490C Depth Gauge Washer.



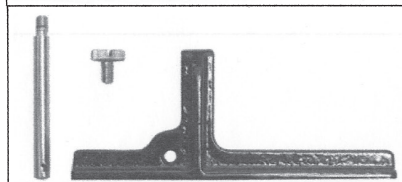
1-12-714 Fence & Screws

Price £11.75

Spares Kit 15 No. 78 Fence to fit product numbers 12078 and 12978.

Contents:

- 1 of 16689C Fence.
- 1 of 55490C Fence & Screw.
- 1 of 33682C Fence & Arm.



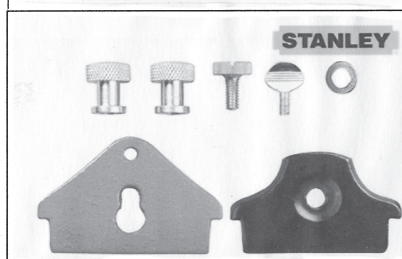
1-12-715 Spares for Spokeshave

Price £10.31

Spares Kit 19 Spokeshave to fit product numbers 12-151, 51R, 063, 064 and 12-951.

Contents:

- 1 of 17669C Cap.
- 1 of 55490C Thumb Screw.
- 1 of 36403C Cap Screw.
- 1 of 37773C Cutter Adj Nut.
- 1 of 16453C Cap (063/064).
- 1 of 19694C Thumb Screw.
- 1 of 22925C Washer.



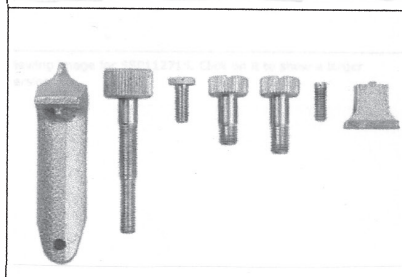
1-12-716 Shoulder Planes

Price £22.00

Spares Kit 17 Shoulder Plane to fit product numbers 12090 and 903.

Contents:

- 1 of 17003C Lever.
- 1 of 33317C Lever Screw.
- 1 of 74733C Cutter Adj Screw.
- 1 of 15781C Adjusting Slide.
- 1 of 33333C Binding Screw.
- 1 of 38437C Binding Screw.
- 1 of 33309C Stop Screw.

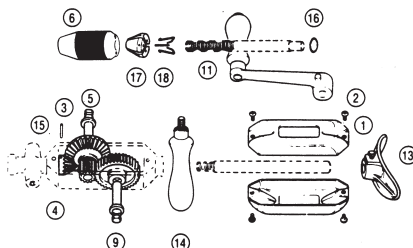


Spare Parts Stanley

Available while stocks last
748A

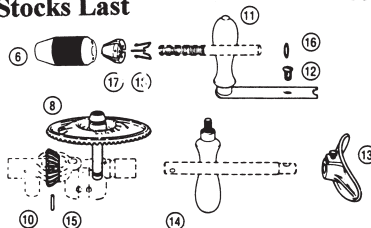
Breast Drills

DRILL PATTERN		748A		905	
NAME OF PART	Key No.	Part No.	Price £	Part No.	Price £
Body Cover	1	22099C	2.94	—	—
Body Cover Screws	2	36071C	0.37	—	—
Bevel Gear	3	75851C	18.09	—	—
Pinion	4	20495C	2.83	—	—
Gear Spindle	5	75819C	3.30	—	—
Chuck Assembly -less Spindle	6	75827C	17.34	75827C	17.34
Jacobs Chuck Assembly and Key	7	64843C	29.46	64843C	29.46
Large Gear Wheel - with Shaft	8	—	—	75616C	10.83
Spur Gear	9	17125C	12.23	—	—
Pinion	10	—	—	35748C	3.17
Handle & Handle Strip	11	75779C	6.00	75746C	3.17
Handle Strip Screws	12	—	—	35861C	0.05
Breast Pad & Set Screws	13	85409C	8.69	85409C	8.69
Side Handle	14	75802C	7.29	75705C	6.65
Pinion Pin	15	31705C	0.09	34305C	0.18
Thrust Balls (set of 20)	16	32759C	0.04	32759C	0.04
Set of Jaws (3)	17	35797C	5.70	35797C	5.70
Set of Springs (3)	18	32053C	1.70	32053C	1.70



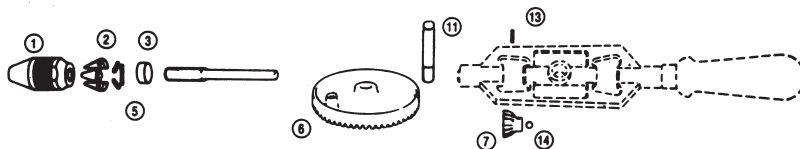
While Stocks Last

905



WHILST STOCK LAST

Hand Drills



DRILL PATTERN		105		103		803	
NAME OF PART	Key No.	Part No.	Price £	Part No.	Price £	Part No.	Price £
Chuck Assembly	1	57448C	3.69	90496C	6.33	75073C	10.55
Jaws Mark II	2	—	—	20608C	2.75	20608C	2.75
Jaw Pad	3	—	—	40283C	1.83	40283C	1.83
Jaw Spring Mark II (coiled)	5	—	—	31981C	1.35	31981C	1.35
Gear Wheel	6	—	—	—	—	17506C	12.58
Driving Pinion	7	—	—	20487C	1.66	20487C	1.66
Gear Shaft	11	—	—	—	—	35618C	2.77
Chuck Spindle	12	—	—	36525C	2.27	36525C	2.27
Pinion Pin	13	—	—	34298C	0.09	34298C	0.09
Thrust Ball	14	—	—	32783C	0.08	32783C	0.08

Available while stocks last

Spare Parts Stanley

BRACE

73/144N/02-716



Mk IV

Mk III

66R



WHILST STOCK LAST

BRACE PATTERN				73/Mk III				73/Mk IV				73/Mk V				144/Mk III				144/Mk IV 66R/Mk V				144/Mk V			
NAME OF PART	Key No.	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £
Spiral Rack Pin	1	34321C	0.65	34321C	0.65	34321C	0.65	34321C	0.65	34321C	0.65	34321C	0.65	34321C	0.65	34321C	0.65	34321C	0.65	34321C	0.65	34321C	0.65	34321C	0.65	34321C	0.65
Shell	2	38356C	9.34	38356C	9.34	38356C	9.34	38356C	9.34	38356C	9.34	38356C	9.34	38356C	9.34	38356C	9.34	38356C	9.34	38356C	9.34	38356C	9.34	38356C	9.34	38356C	9.34
Ratchet Gear	3	39028C	1.97	39028C	1.97	39028C	1.97	39028C	1.97	39028C	1.97	39028C	1.97	39028C	1.97	39028C	1.97	39028C	1.97	39028C	1.97	39028C	1.97	39028C	1.97	39028C	1.97
Pawl	4	35172C	1.41	35172C	1.41	35172C	1.41	35172C	1.41	35172C	1.41	35172C	1.41	35172C	1.41	35172C	1.41	35172C	1.41	35172C	1.41	35172C	1.41	35172C	1.41	35172C	1.41
Pawl Pin	5	34313C	0.10	34313C	0.10	34313C	0.10	34313C	0.10	34313C	0.10	34313C	0.10	34313C	0.10	34313C	0.10	34313C	0.10	34313C	0.10	34313C	0.10	34313C	0.10	34313C	0.10
Pawl Spring	6	31916C	0.03	31916C	0.03	31916C	0.03	31916C	0.03	31916C	0.03	31916C	0.03	31916C	0.03	31916C	0.03	31916C	0.03	31916C	0.03	31916C	0.03	31916C	0.03	31916C	0.03
Knock Fix Washer	7	22917C	0.08	22917C	0.08	22917C	0.08	22917C	0.08	22917C	0.08	22917C	0.08	22917C	0.08	22917C	0.08	22917C	0.08	22917C	0.08	22917C	0.08	22917C	0.08	22917C	0.08
Jaws & Spring	8	79326C	3.57	79326C	3.57	79326C	3.57	79326C	3.57	79326C	3.57	79326C	3.57	79326C	3.57	79326C	3.57	79326C	3.57	79326C	3.57	79326C	3.57	79326C	3.57	79326C	3.57
'G' Type Spring	9	31924C	2.07	31924C	2.07	31924C	2.07	31924C	2.07	31924C	2.07	31924C	2.07	31924C	2.07	31924C	2.07	31924C	2.07	31924C	2.07	31924C	2.07	31924C	2.07	31924C	2.07
Head	10	10978C	3.86	11082C	0.90	11082C	0.90	11082C	0.90	11082C	0.90	11082C	0.90	11082C	0.90	11082C	0.90	11082C	0.90	11082C	0.90	11082C	0.90	11082C	0.90	11082C	0.90
Quill	11	76037C	7.85	76037C	7.85	76037C	7.85	76037C	7.85	76037C	7.85	76037C	7.85	76037C	7.85	76037C	7.85	76037C	7.85	76037C	7.85	76037C	7.85	76037C	7.85	76037C	7.85
Ball Thrust Washer	12	29884C	0.32	29884C	0.32	29884C	0.32	29884C	0.32	29884C	0.32	29884C	0.32	29884C	0.32	29884C	0.32	29884C	0.32	29884C	0.32	29884C	0.32	29884C	0.32	29884C	0.32
Steel Balls	13	32807C	0.01	32807C	0.01	32807C	0.01	32807C	0.01	32807C	0.01	32807C	0.01	32807C	0.01	32807C	0.01	32807C	0.01	32807C	0.01	32807C	0.01	32807C	0.01	32807C	0.01
Ball Cup	14	35472C	1.25	35472C	1.25	35472C	1.25	35472C	1.25	35472C	1.25	35472C	1.25	35472C	1.25	35472C	1.25	35472C	1.25	35472C	1.25	35472C	1.25	35472C	1.25	35472C	1.25
Knurled Washer	15	21978C	0.65	21978C	0.65	21978C	0.65	21978C	0.65	21978C	0.65	21978C	0.65	21978C	0.65	21978C	0.65	21978C	0.65	21978C	0.65	21978C	0.65	21978C	0.65	21978C	0.65

BRACE PATTERN				02-716 Mk IV & V				66 Mk III			
NAME OF PART	Key No.	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £	Part No.	Price £
Spiral Rack Pin	1	34321C	0.65	—	—	—	—	—	—	—	—
Shell	2	38356C	9.34	—	—	—	—	—	—	—	—
Ratchet Gear	3	39028C	1.97	—	—	—	—	—	—	—	—
Pawl	4	35172C	1.41	—	—	—	—	—	—	—	—
Pawl Pin	5	34313C	0.10	—	—	—	—	—	—	—	—
Pawl Spring	6	31916C	0.03	—	—	—	—	—	—	—	—
Knock Fix Washer	7	22917C	0.08	22917C	0.08	—	—	—	—	—	—
Jaws & Spring	8	79326C	3.57	79326C	3.57	—	—	—	—	—	—
'G' Type Spring	9	31924C	2.07	—	—	—	—	—	—	—	—
Head	10	11082C	0.90	—	—	—	—	—	—	—	—
Quill	11	76037C	7.85	—	—	—	—	—	—	—	—
Ball Thrust Washer	12	29884C	0.32	—	—	—	—	—	—	—	—
Steel Balls	13	32807C	0.01	—	—	—	—	—	—	—	—
Ball Cup	14	35472C	1.25	—	—	—	—	—	—	—	—
Knurled Washer	15	21978C	0.65	—	—	—	—	—	—	—	—

IMPORTANT —
BEFORE ORDERING BRACE SPARES, PLEASE READ THE NOTES BELOW.

Identification of Braces: Mk III or Mk IV versions are marked accordingly on the brace frame. (Mk IV produced August 1974 to end of 1985). Mk V Braces (phased in January 1986) can be identified by the product number marked on the frame:

73 PATTERN MK V				144 PATTERN MK V				66R (RATCHET) MK V			
Product No.	Cat. No.	Size		Product No.	Cat. No.	Size		Product No.	Cat. No.	Size	
02-740	73E	5 1/4"		02-150	144	8"		02-660	66R	10"	
02-741	73	8"		02-151	144	10"					
02-742	73	10"		02-152	144	12"					
02-743	73	12"									

Plane Spares / Saw Sharpening

Plane Irons Stanley

Code	Description	Price
Bench Planes		
0-12-312	1¼" No 003	£7.03
0-12-313	2" Nos 004, 005, 204, 205, 014 & 015	£7.99
0-12-315	2.3/8" No 006 & 007	£8.83
0-12-133	1¼" SB3-033	£4.40
0-12-134	2" SB4-034	£4.75
Replacement Blade Plane		
0-12-376	Curved for general purpose work. 100 plane	£3.18
0-12-378	Straight for rebating or narrow edges. 100 plane	£2.92
0-12-379	Special, with a second bevel, ideal for plastic laminates. 100 plane	£3.06
Block Plane		
0-12-331	40mm Nos 9½/020 & 220	£6.15
0-12-504	35mm No 060½	£6.13
0-12-330	40mm Nos 110 & 116	£4.66
Rebate Plane		
1-12-333	38mm No 078	£6.42
1-12-327	19mm No 092	£6.09
1-12-328	25mm Nos 090 & 093	£6.13
1-12-332	28mm No 075	£5.41
Spokeshave & Scraper		
1-12-336	45mm No 063 & 064	£3.06
1-12-350	55mm No 151 & 152	£3.61
1-12-337	70mm No 080	£4.51

Plane Irons Record

Code	Description	Price
S1 2	2" Nos 04 & 05	£11.25
S1 2.3/8"	2.3/8" Nos 04½, 05½, 06 & 07	£13.91
0220-D	1.5/8" Nos 0220, 09½, 060½ & 0120	£10.75
778D	38mm/1½" No 778	£11.81
151-B	54mm/1½" Nos A151 & A151R	£7.39

SINGLE IRON BENCH PLANE IRON



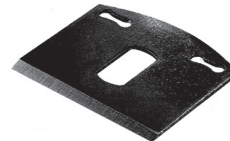
BLOCK PLANE IRONS



REBATE PLANE IRON



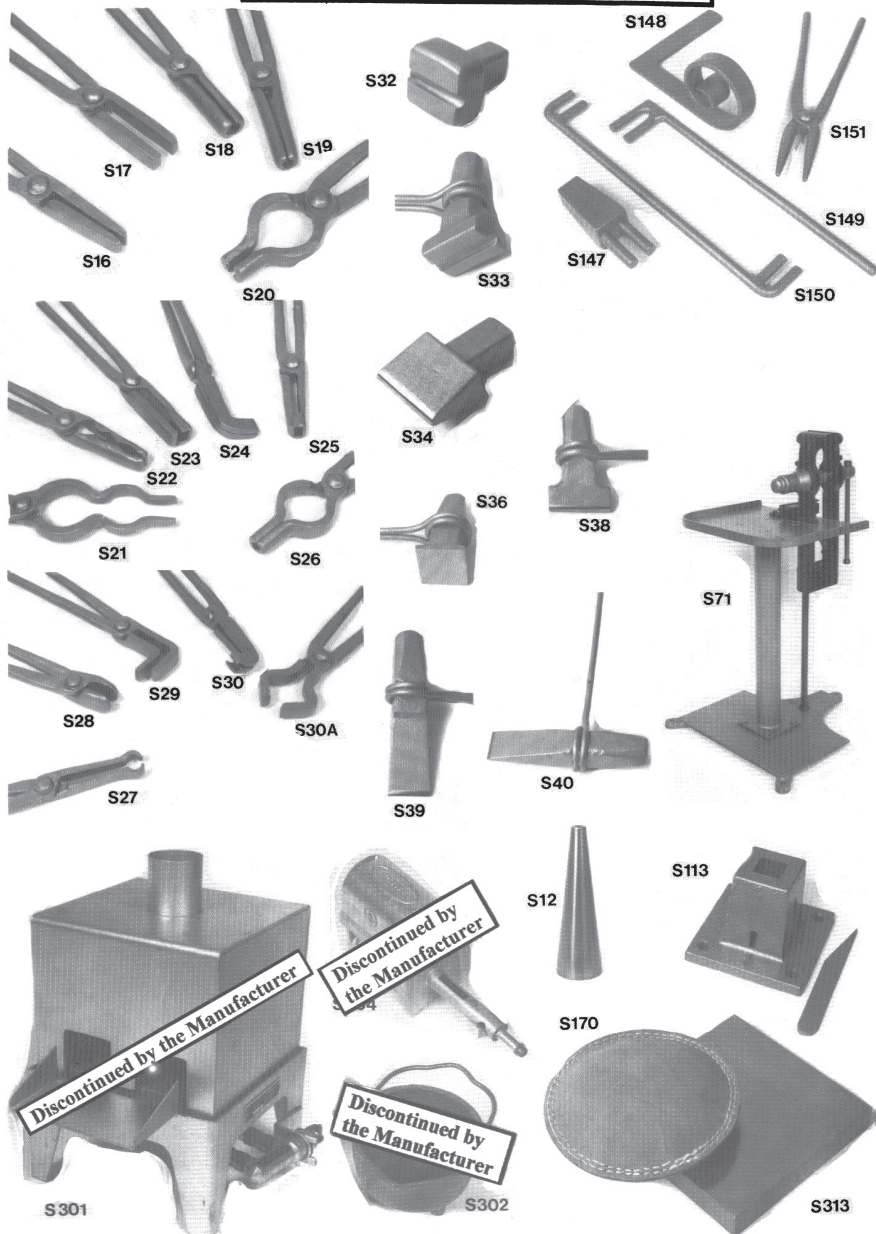
SPOKESHAVE IRON



Sharpening Service

Type	Price
TCT Saw Blades	
Per Tooth Sharpened	£0.35
e.g. 10" x 42 Tooth	£14.70
Replacement Tooth	£4.40
Plate Saws	
Per 25mm diameter	£0.96
Planer Knives	
Per 25mm length	£0.98
Bandsaw Blades	
Recut (reduction only)	£7.50
Replacement Tooth	£4.40

Blacksmiths & Tinsmiths Tools



Blacksmiths & Tinsmiths Tools

School Tongs

Code	Description	Price each
S16	Close Mouth	£44.98
S17	Open Mouth 6/9/13mm	£44.98
S18	Hollow Bit 6/9/13mm	£48.39
S19	Double Hollow Bit 6/9/13mm	£48.39
S20	Chisel or Bolt 9/13/16mm	£48.39
S21	Pick Up or Dandy	£56.57
S22	Universal	£48.39
S23	Square Mouth 13/16/19mm	£62.42
S24	Side Mouth 6/13/19mm	£56.57
S25	Flat Mouth	£56.57
S26	Round Mouth	£65.18
S27	Rivet 6/9/13/19mm	£44.92
S28	Farriers 9/11/13mm	£48.39
S29	Band Jaw 6/9/13mm	£56.57
S30	Round Side Mouth 13/19/25mm	£62.09
S30A	Road Wedge	£62.14
S13	Blacksmiths Rake	£15.38
S14	Blacksmiths Poker	£14.20
S15	Blacksmiths Shovel	£18.45

Anvils

(Single Bick London pattern)

Size	Price	Stand	Price
25.4Kg (56lb)	£368.04	Stand	£357.59
38.1Kg (84lb)	£519.33	Stand	£357.59
50.8Kg (112lb)	£649.24	Stand	£367.84
63.5Kg (140lb)	£754.37	Stand	£383.51

S170 sandbags

Size	Price each
152mm/6"	£46.89
203mm/8"	£57.28
254mm/10"	£75.62
304mm/12"	£93.75
357mm/14"	£116.38

Blacksmiths Leg Vice & Stand

Code	Description	Price each
S60	152mm/6" Vice Only	£747.86
S71	152mm/6" Vice & Stand	£1,081.49
S71A	Stand Only	£325.30

S302 Melting Pot (Cast Iron)

Lead Capacity	Size	Price each
16Kg	152mm/6"	£59.34

S313 Chipping Blocks

Size	Price each
152 x 152 x 25mm	£43.11
229 x 229 x 25mm	£66.06
304 x 229 x 25mm	£85.38
304 x 304 x 50mm	£176.46

S12 Mandrel Cone

Size	Price each
450 x 152 x 51mm / 18 x 6 x 2"	£484.72
600 x 225 x 76mm / 24 x 9 x 3"	£645.42

S113 Stake Key & Holder

Code	Description	Price each
S113	Stake Key & Holder	£124.13

Swages/Fullers/Sets

Please Specify 6mm/¼", 9mm/3/8" or 12mm/½"

Code	Description	Price each
S33	Top Swage Rodded	£67.70
S32	Bottom Swage	£60.57
S38	Top Fuller Rodded	£61.18
S34	Bottom Fuller	£55.44
S36	Flatter 64mm/2½" Rodded	£73.02
S39	Hot Set 1.36 Kg	£56.13
S40	Cold Set 1.36 Kg	£56.13

Swage Blocks

Size	S10 Block Price each	S11 Stand Price each
229x229x76 / 9x9x3"	£212.09	£419.15
305x305x102 / 12x12x4"	£340.24	£491.54
330x330x102 / 13x13x6"	£551.15	-

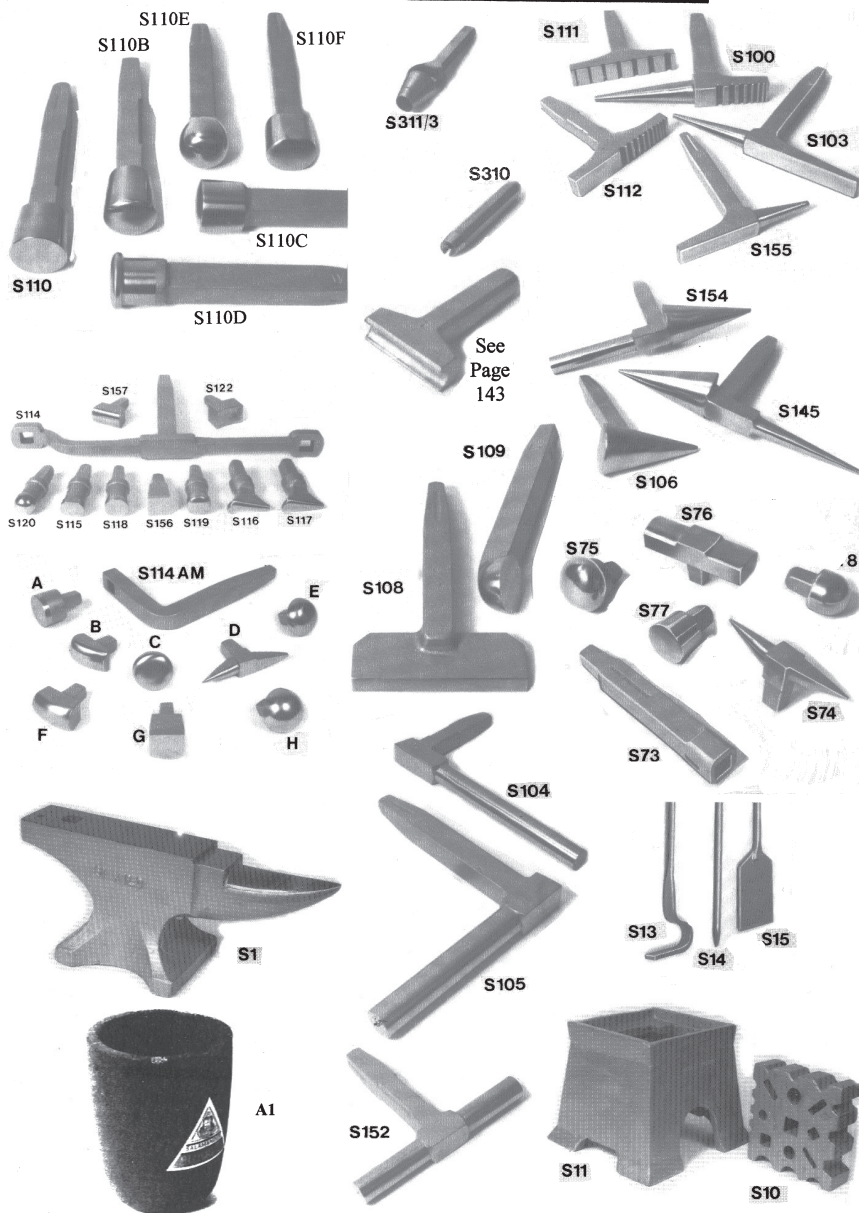
Scrolling Tools

Code	Description	Price each
S147	Horn	£34.98
S149	Single Ended Wrench	£26.64
S150	Double Ended Wrench	£34.98
S151	Pliers	£49.95

S148 Scrolling Irons

Size	Price each
57mm / 2¼"	£50.48
89mm / 3½"	£52.56
127mm / 5"	£49.95

Blacksmiths & Tinsmiths Tools



Blacksmiths & Tinsmiths Tools

Salamander Crucibles

A Shape for Lift Out Furnaces

Code	Height	Diameter		Price
		Top	Bottom	
A2	109	95	62	£31.34
A3	127	105	70	£33.79
A4	141	114	76	£39.15
A5	152	124	86	£57.75
A6	165	130	95	£61.28
A8	184	156	108	£64.22
A12	210	171	121	£68.50
A16	232	184	133	£77.05

Crucible Pot ATP10

Flamefast Tilt Furnace
Lid for Crucible Pot

£161.77

£34.76

Tinmans Stakes

Code	Description	Weight	Price
S73	Stake Holder		£63.09
S74	Anvil Stake		£49.08
S75	Button stake		£49.08
S76	Bracelet Head		£49.08
S77	Flat Taper Head		£49.08
S78	Jewellers Cup Head		£49.08
S100	Creasing Horn	5.45	£282.74
S103	Bick Iron	4.55	£231.74
S104	Pipe Stake	4.55	£164.60
S105	Side stake	6.82	£186.46
S106	Funnel Stake	3.65	£175.92
S108	Hatchet Stake	1.82	£115.33
S109	Half Moon	2.73	£113.93
S110	Canister	1.82	£91.21
S110B	Dome Head	1.82	£105.77
S110C	Pepperbox	1.82	£119.25
S110D	Mushroom	1.82	£114.73
S110E1	Ball Head 2"	1.82	£120.99
S110E2	Ball Head 2.3/8"	2.73	£162.08
S110F1	Oval Head 2"	1.82	£121.59
S110F2	Oval Head 2½ "	2.73	£162.08
S111	Grooving	3.64	£190.30
S112	Creasing Iron	3.64	£163.21
S145	Blowhorn	6.82	£291.26
S152	Double End	6.82	£200.37
S154	Funnel & Side	6.82	£303.09
S155	Extinguisher	3.64	£194.12

Casting Sand

	Price 20 Kg	
Mansfield	£17.99	
	Price 25 Kg	Price 50 Kg
Bentomix (PetraBond)	£38.18	£72.54

Ceramic Chips

£11.10 per Kg

Parting Powder

	Price
Per Kg	£3.01
Per 5 Kg	£11.29
Dusting Bags	£3.40

De Gas Tablets

Ecogas 16

£12.71 per 500gm

Coverall Flux

	Price per Kg
Aluminium	£4.80

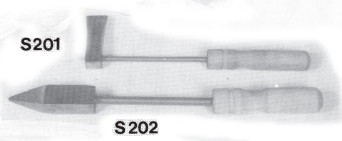
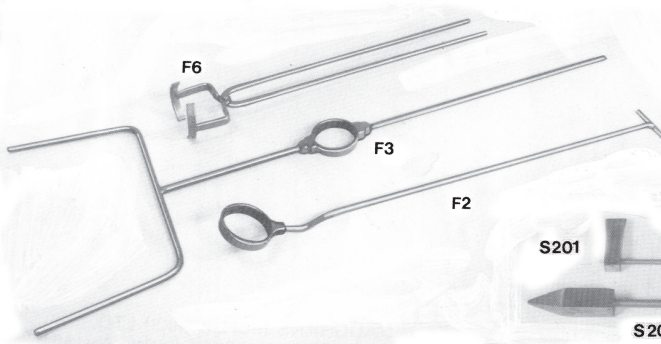
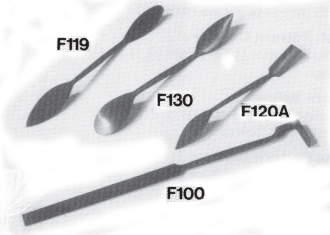
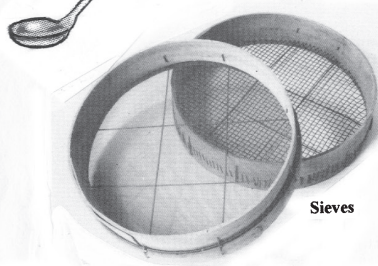
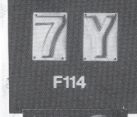
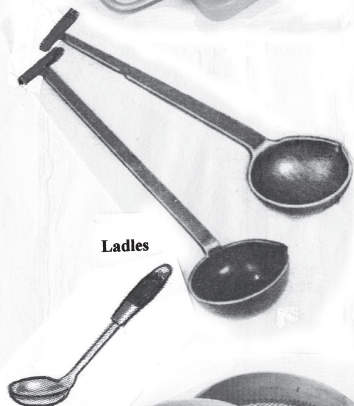
Firebricks

Size	Price
230x114x32mm	£4.60

Tinmans Stakes

Code	Description	Price
S114	Tinmans Horse (holder)	£310.16
S114AM	Art Metal Horse (holder)	£59.01
S114A	Taper Round Flat	£49.08
S114B	Long Taper Saddle	£49.08
S114C	Shallow Round	£49.08
S114D	Miniature Anvil	£49.08
S114E	Round Dome	£49.08
S114F	Dome Saddle	£49.08
S114G	Mini Anvil	£49.08
S114H	Deep Round Mushroom	£49.08
S115	Oval Flat Head	£61.79
S116	Shallow Oblong	£61.79
S117	Deep Oblong	£61.79
S118	Round Flat	£61.79
S119	Shallow Round	£61.79
S120	Deep Round	£61.79
S122	Saddle	£61.79
S156	Square	£61.79
S157	Long	£61.79

Foundry Equipment



Foundry Equipment

Moulding Boxes F221

Size	Price each
152x152x76x76mm/6x6x3x3"	£158.83
229x229x76x76mm/9x9x3x3"	£168.70
305x305x76x76mm/12x12x3x3"	£182.49
305x305x101x101mm/12x12x4x4"	£192.36

Ladles

Dia	Handle	Price each
75mm/3"	260mm	£10.38
102mm/4"	610mm	£16.12
152mm/6"	760mm	£17.43
203mm/8"	914mm	£31.10

Ladle Handles

Please State Size of Crucible	Price each
F2	£113.76
F3	£136.98

Crucible Tongs

Please State Size of Crucible	Price each
F6	£187.16

Moulders Tools

		Price each
F100	English Pattern Cleaner 1/4"	£43.53
	English Pattern Cleaner 3/8"	£49.80
	English Pattern Cleaner 1/2"	£54.80
F119	Leaf & Oval Spoon	£40.52
F120A	Leaf & Square	£34.62
F130	Leaf & Round Spoon	£48.56
F96	Square Trowel	£23.18
F97	Taper Trowel	£25.81
F84	Round Nose Trowel	£42.44
F84B	Round Taper Trowel	£51.45
F236	Sprue Cutter	£24.40
F98	Heart & Square	£26.87
F122	Leaf & Lifter	£51.73
F87A	Heart & Spoon	£52.90
F60	Ramming Dollies 1 1/2"	£14.65

Soldering Irons

Code	Type	Size	Price each
S201	Hatchet	114gms/4oz	£24.99
		227gms/8oz	£33.19
		341gms/12oz	£41.11
S202	Straight	114gms/4oz	£22.18
		227gms/8oz	£28.91
		341gms/12oz	£35.70

Folding Bars S98

Size	Price each
150mm/6"	£24.52
200mm/8"	£24.57
250mm/10"	£24.79
300mm/12"	£25.34
350/400mm/14/16"	£35.68

Sieves

Size	Price each
1.6mm / 1/16"	£20.61
3.2mm / 1/8"	£20.78
4.7mm / 3/16"	£22.81
6.35mm / 1/4"	£23.46

Letters & Figures

Please state which Letters of Alphabet or which Numbers are required.

F110 White Metal Sharp Faced Gothic

	Price each
12mm	£0.41
25mm	£0.58
38mm	£2.66
51mm	£4.18

F111 White Metal Flat Faced Gothic

	Price each
12mm	£0.46
25mm	£0.90
38mm	£2.60
51mm	£4.24

F113 Plastic Flat Faced

	Price each
12mm	£0.20
25mm	£0.29
38mm	£0.43
51mm	£0.53

F114 Stamped Brass

	Price each
12mm	£0.58
25mm	£1.76
38mm	£2.50
51mm	£3.81

Water Troughs (Mild Steel)

	Price each
Self Colour - 450 x 300 x 300	£166.53
Self Colour - 600 x 300 x 300	£205.77
Galvanised - 450 x 300 x 300	£301.29
Galvanised - 600 x 300 x 300	£344.44

Industrial Power Tools (Mains Voltage)

TC-ID650E Impact Drill 650W

650W universal impact drill with electronic speed control, soft grip ergonomic design and reverse facility.

No load speed:	0-2600/min
Impact rate:	0-41600bpm
Drilling depth:	Concrete: 13mm
	Steel: 10mm
	Wood: 25mm

Code	Price each
TC-ID650E	£29.29



TC-ID1000E Impact Drill 1010W

1010W impact drill with integrated electronic controls for pre-selection and adjustment of speed and switch to allow impact or drilling functions. The sturdy adjustable drilling depth stop enables exact repeat drilling depths and the reversing facility means screwdriving jobs can also be performed.

No load speed:	0-3000/min
Impact rate:	0-48,000/bpm
Drill chuck:	13mm Keyed
Drilling depth:	Concrete: 16mm
	Steel: 13mm
	Wood: 32mm

Code	Price each
TC-ID1000E	£38.99



RT-RH32 3-Function Rotary Hammer Drill

1250W rotary hammer with plenty of power for drill and chisel work. Features a vibration absorbing handle and special grip structure on secondary handle for virtually vibration free use. Supplied with 4 drill bits, 2 chisels and transport and storage case.

No load speed:	0-800/min
Impact rate:	0-4300bpm
Impact Strength:	3.5 Joules
Drilling Capacity:	Concrete: 32mm

Code	Price each
RT-RH32	£102.66



RT-AG115 Angle Grinder 115mm

Angle Grinder ideally suited for roughing, grinding, cutting and polishing. Features flat metal gear-head which allows work in areas of restricted access. Supplied with flange key and spindle-lock which allows quick disc change.

Power:	500W
No load speed:	12000/min
Disc Size:	115mm

Code	Price each
RT-AG115	£27.99



For Grinding Discs - See Page 50

Industrial Power Tools

TC-CD18 Cordless Drill Driver 18V

18V cordless drill driver with a 10mm single sleeve quick change chuck and 2 speed gearing for high powered screwdriving and fast drilling. This Drill has a soft grip design for added comfort and safety. Supplied with 1.5Ah Li-Ion battery and charger.

Speed: 0-350/0-1250/min
Torque: 38Nm, 18 settings
Weight: 1.37Kg

Code	Price
TC-CD18	£56.99



TE-CD12 Cordless Drill Driver 12V

12V cordless drill driver with a 10mm single sleeve quick change chuck and quick stop system to prevent continued running. With precision electronic speed control and variable torque settings it is easy to adapt to the requirements of the material and screws which are used. Features a slim ergonomic design and soft feel handle along with an integrated LED light which provides optimum illustration of the work area. Supplied with 2 x 1.3Ah Li-Ion batteries, high speed charger and storage case.

Speed: 0-350/0-1200/min
Torque: 25Nm, 18 settings
Weight: 0.96Kg

Code	Price
TE-CD12	£87.99



TC-CD182 Cordless Impact Drill 18V

18V cordless impact drill with 2 speed metal gearing and powerful motor to generate a high torque, delivering plenty of power for screwdriving and fast drilling. Features a quick change 13mm drill chuck and quick stop function along with an integrated LED lamp which provides optimum visibility in the work area at all times. Supplied with 2 x 18V 1.5Ah Li-Ion battery, high speed charger and a carry case.

Speed: 0-350/0-1250/min
Torque: 44Nm, 20 settings
Weight: 1.5Kg

Code	Price
TC-CD182	£106.65



TE-CD18LI Cordless Combi Drill 18V

18V cordless combi hammer drill with a powerful brushless motor and 2 robust metal gears for increased endurance. The drill offers powerful and effective drilling into wood, plastic, concrete and metal. It is fitted with a soft grip for added comfort and additional handle for excellent control. Supplied with a Power X-change 18V 4.0Ah Li-Ion battery, charger (30 minutes charge time) and carry case.

Speed: 0-500/0-1800/min
Impact Rate: 0-8000/0-28000/bpm
Torque: 60Nm, 22 settings

Code	Price
TE-CD18LI	£138.76



Industrial Power Tools (Mains Voltage)

TC-CS1400 190mm Circular Saw 1400W

Handy and powerful 1400W circular saw. The sawing depth and tilt angle can be adjusted without tools at the twist of the hand. The large ergonomic handle means the saw is comfortable to hold and positive to guide. Supplied with parallel guide, dust extractor adapter, 1x 190mm TCT blade and blade changing tool.

Power: 1400W
No Load Speed: 5,200/min
Max Cutting Depth: 90° - 66mm / 45° - 45mm
Blade: 190mm Dia 24 Tooth 30m Bore

Code	Price each
TC-CS1400	£61.99



TE-RO1225 Electronic Router 1/4" 1200W

1200W router with electronic speed control. Features easily set cutter depth with 3 revolver stops and precision depth adjustment, chip shield and spindle lock for simple cutter change. Supplied with 6 and 8mm clamp, dust extractor adapter, parallel guide, compass point, copy sleeve and tool for changing cutter.

Power: 1200W
Speed: 11000-30000 min-1
Stroke height: 55mm
Clamp: 8 & 6mm

Code	Price each
TE-RO1225	£72.99



For Router Bits - See Page 200 & 201

TH-HA2000 Hot Air Gun

Hot air gun with two heat setting which can be changed during operation. Ideal for deforming and welding of plastics and PVC, soldering and the removal of paints, labels, stickers and colours.

Input power: 2000W
Air flow: 300/550 l/min
Air temperature: 350/500°C
Weight: 0.7kg

Code	Price each
TH-HA2000	£21.22

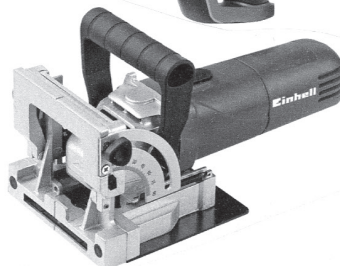


TC-BJ900 Biscuit Jointer

Biscuit jointer suitable for milling slots for shadow joint connections in compact, wood, plywood and chip board. Features multi purpose rail setting, adjustable height (up to 6mm) and 3 step adjustment of the routing depth. Supplied with dust collection bag and transport and storage case.

Power: 860W
Idle speed: 11000/min
Router bit: 100x22x3.8mm
Routing depth max: 14mm
Fence adjustment: 0-90°C

Code	Price each
TC-BJ900	£63.99



Biscuits

Code	Size	Price per 200
BISC-0	Size 0	£6.90
BISC-10	Size 10	£7.17
BISC-20	Size 20	£7.86

Industrial Power Tools (Mains Voltage)

TC-PL750 Power Planer 750W

Powerful 750W handheld planer with a large knife shaft for optimum results in one go. Features a solid aluminium soleplate for flat results and integrated automatic park rest. Supplied with parallel guide, rebate depth gauge and carbide planing knife.

No load speed:	17000/min
Cutting depth:	2mm
Rebate depth:	10mm
Planner width:	82mm

Code	Price each
TC-PL750	£39.99



TE-PL900 Planer 900W

900W planer with large adjustable rebate and chipping depth and switch to control the direction chippings are ejected. Features automatic blade protection, comfortable soft handle, aluminium planer plate and carbide planer knives with large knife wave for ideal working results. Supplied with parallel guide and rebate depth stop.

No load speed:	15000/min
Cutting depth:	0-3mm
Rebate depth:	18mm
Planner width:	82mm

Code	Price each
TE-PL900	£64.75



TC-BS8038 Belt Sander 800W

800W powerful and robust belt sander which is ideally suitable for sanding wood, plastics and metal. Features an electronic speed control, additional handle for improved accuracy and an integrated dust extraction system with dust bag.

Belt speed:	0-380 m/min
Sanding belt size:	75x533mm

Code	Price each
TC-BS8038	£48.99

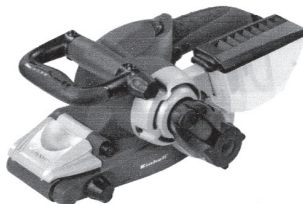


TE-BS8540E Variable Speed Belt Sander 850W

850W high performance belt sander with a powerful motor and high speed sanding belt. Features electronic belt speed control, folding front cover, adjustable second handle and an integrated dust extraction system with dust bag.

Belt speed:	300-400 min
Sanding belt size:	75x533mm
Sanding surface:	75x140mm

Code	Price each
TE-BS8540E	£69.99



For Belts - See Page 172

Industrial Power Tools (Mains Voltage)

TC-JS60 Electronic Jigsaw 410W

410W multi purpose jigsaw with user friendly design and blade speed control electronics to ensure material-compatible operation.

Mitre cuts up to 45° are possible with the swivel soleplate.

Stroke at no load: 500-3000/min

Cutting depth: Wood: 60mm

Steel: 6mm

Plastic: 10mm

Code	Price each
TC-JS60	£25.42



TE-JS100 Variable Speed Jigsaw 750W

750W pendulum jigsaw with adjustable saw plate (45°) allowing various angles of tilt. Features tool free adjustable soleplate and easy to change blade. Equipped with electronic controls and 4 pendulum stroke settings.

Stroke at no load: 800-3000/min

Cutting depth: Wood: 100mm

Steel: 10mm

Plastic: 12mm

Code	Price each
TE-JS100	£61.99



For Jigsaw Blades - See Page 50

TC-OS1520 Orbital Sander

Light and handy orbital sander with integrated dust extraction adapter.

Power: 150W

No load speed: 23000/min

Oscillating circuit: 2mm

Weight: 1.1kg

Code	Price each
TC-OS1520	£18.99



TE-OS2520E Orbital Sander

Orbital Sander with powerful motor for sanding large surfaces of wood, plastic and metal with integrated dust extraction system.

The sander uses a clamping mechanism and hook and loop fastening to allow quick and easy change of abrasives.

Power: 250W

No load speed: 14000-24000/min

Orbital circle diameter: 2.0mm

Sanding size (clamp): 280x115mm

Sanding size (hook & loop): 230x115mm

Code	Price each
TE-OS2520E	£47.99



For Orbital Sander Sheets - See page 171

Power Tools

BS250 Bandsaw

- Sturdy steel body bandsaw with optional stand and wheelkit to allow movement around the classroom
- Adjustable easy to set blade guides
- Large cast iron worktable can be tilted to 45°
- Strong fence with cam action lock for ease of use and simple tension adjustment for clamping strength
- Dynamically balanced band wheel
- The large capacity makes this a compact machine capable of serious work

Specifications

Motor	1/2hp
Maximum depth of cut	120mm
Throat depth	240mm
Blade speed	740 m/min
Blade length	1791mm (70½")
Blade width capacity	¼ - ½"
Table size	315 x 330mm
Table height from floor	370mm
Overall size (HxWxD)	860 x 550 x 480mm
Weight	30Kg

Price	£229.99
--------------	----------------

Optional stand and wheelkit	£73.99
-----------------------------	--------



see page 53 for bandsaw blades

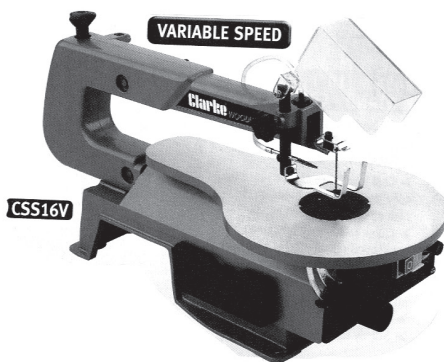
Variable Speed Scroll Saw

- 120W motor
- Parallel arm design cuts straight up and down
- Quick blade changing system
- Pin end and plain end blade holder
- Table can be tilted up to 45° left
- Fully guarded arms
- Dust extraction facility

Specifications

Motor	120W, 230V
Throat	400mm
Ma. Cut thickness	50mm
Table tilt	0 to 45° left
Blade length	133mm
Cuts per minute	400-1700rpm
Cutting stroke	19mm
Overall size (LxWxH)	625 x 285 x 320mm
Weight	16Kg

Price	£115.95
--------------	----------------



see page 144 for scroll saw blades

Power Tools

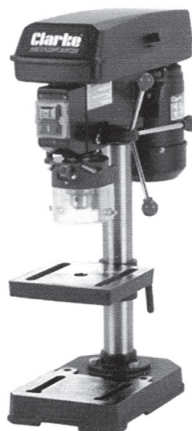
CDP102B Bench Drill Press

- Powerful 350W induction motor
- New stylish design
- Convenient front position no volt switch
- Micro switch is equipped inside the pulley cover
- 5 Speeds from 620 to 2620rpm
- Extra large worktable and base
- Table can be swivelled a full 360° allowing the base to be used as a work support
- Supplied with chuck guard

Specification

Spindle Taper	B16
Chuck capacity	1.5-13mm
Max dist chuck to table	170mm
Max dist chuck to column	115mm
Table size	165 x 163mm
Work table tilt	0-45°
Overall size	400 x 290mm
Overall height	590mm
Motor	350W, 230V
Speeds	5
Net Weight	15Kg

Price	£99.99
SPG102B Spare Plastic Guard	£10.90



see pages 190 to 196 for drills

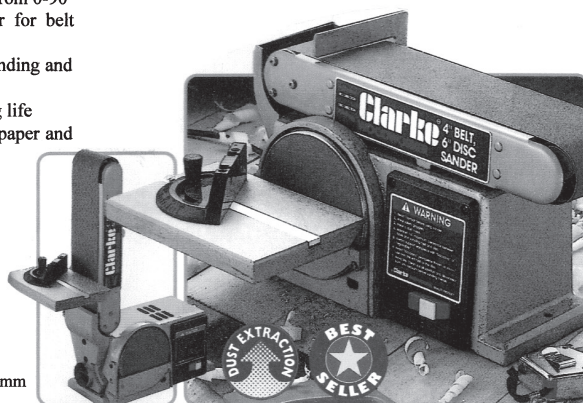
CS4-6D Belt Disc Sander

- Improved disc guarding with finger guard on belt and locking on/off switch for safety.
- Sanding belt tilts and locks at any angle from 0-90° for vertical sanding with quick adjuster for belt tension and removable back stop.
- Worktable can be used for disc or belt sanding and can be tilted to 45°
- Robust cast iron base for rigidity and long life
- Supplied with mitre gauge, sanding disc paper and sanding belt.

Specifications

Motor	440W, 230V
Belt size	100 x 915mm
Speed	500m/min
Work table tilt	0-45°
Belt table tilt	0-90°
Work table size	200 x 155mm
Disc Size	150mm dia
Disc Speed	2900 rpm
Overall size (LxWxH)	535 x 430 x 292mm
Weight	20Kg

Price	£116.00
--------------	----------------



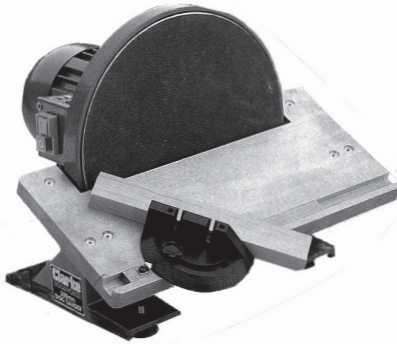
see pages 172 & 173 for belts & discs

Shears / Disc Sanding Machine

Sheet Metal Shears

Shears for cutting metal sheet and bar. Once bolted to the floor or secured to a baseplate (not provided) the long handle enables good leverage to be applied resulting in a clean cut with minimum effort.

Code	Cutting Capacity	Price
CPS150	3mm Sheet / 8mm Dia Bar	£94.95
CPS150B	5mm Sheet / 8mm Dia Bar	£74.95
CPS200B	5mm Sheet / 10mm Dia Bar	£94.90



CDS300A Disc Sander

- 12" (305mm) Disc Sander with direct drive motor, suitable for many woodworking uses.
- Mounting holes for a secure, stable platform
- Dust extraction facility
- Work table tilt 0-45°
- Adjustable mitre gauge supplied

Specifications	
Work Table Size	440x150mm
Disc Size	12"/305mm
No Load Speed	1420 rpm
Overall Size	442x440x350mm
Weight	31.5Kg
Code	Price each
CDS300A	£165.99



Gabro

Gabro SF 600

Sheet metal folding made easy for industry, training and model engineering. The top clamp is adjustable to suit varying material thicknesses and incorporates eight 2.0mm wide slots for folding box sections up to 13mm deep.

Code	Description	Price
SF600	Sheet Metal Folder	£175.19

Gabro Manual Guillotine / Notchers

Suitable for bench mounting and including Table, Angle Guide/Backstop, Line Guide, Security Link, Side Fence, Die Opening Tool, Nibbling Steady, pair table Extensions (except 2M2). Assembly and Operating Instructions. Packed in Robust Carton.

3M2 Manual Guillotine / Notcher

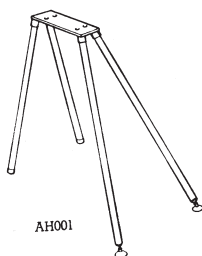
Code	Description	Price each
3M2	BD001 Manual Guillotine / Notcher	£1,302.58
STAND	BM001 Wheeled Stand	£230.75

2M2 Manual Guillotine / Notcher

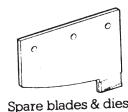
Code	Description	Price each
2M2	AC001 Manual Guillotine / Notcher	£737.47
STAND	AH001 Tubular Stand	£144.41

Spares

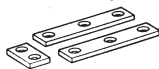
	2M2		3M2	
Description	Code	Price	Code	Price
Top Blade	A053	£100.46	B056	£141.28
Die Side Piece (per pair)	A008	£65.93	B008	£109.20
Die Front Piece	A007	£26.69	B007	£49.40
Complete Set	AB021	£191.51	BC023	£244.88



AH001



Spare blades & dies



BM001

Gabro

Gabro Box / Pan and General Purpose Folders

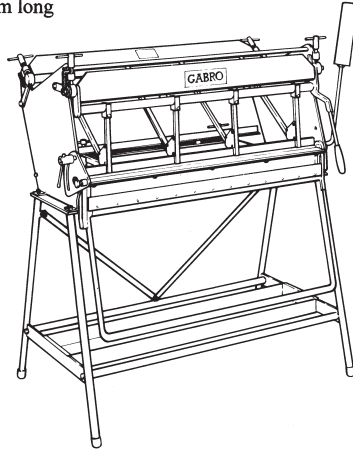
MODEL BF1000

Standard machine including stand and the following accessories;

- 1 Clamp Bar 32x32x6mm, plain angle 1000mm long
 - 1 Clamp Bar 32x32x6mm, 45° bevelled angle 1000mm long
 - 1 Tray
 - 1 Bed Raising Plate
 - 1 Counterbalance Assembly
 - 1 Backstop
 - 1 Bending Plate 600mm long
 - 1 Bending Plate Packer
 - 1 M8 Hex T Wrench
- Operating Instructions

Packed in a robust Pallet Mounted Carton

Code	Description	Price each
DF002	BF1000 Model	£2,025.93
DA031	Clamp Bar 32x32x6mm plain angle 1000mm long	£45.00
DA027	Clamp Bar 32x32x6mm bevelled 45° 1000mm long	£60.48
DA047	Clamp Bar 25x25x5mm plain angle 1000mm long	£35.42



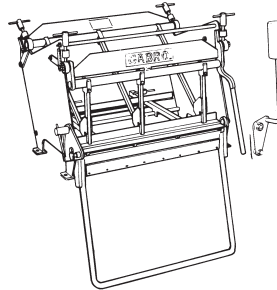
MODEL BF620-2

Standard machine suitable for bench mounting and including the following accessories;

- 1 Clamp Bar 32x32x6mm, plain angle 600mm long
 - 1 Clamp Bar 32x32x6mm, 45° bevelled angle 600mm long
 - 1 Bending Plate 90x6mm, 600mm long
 - 1 Bed Raising Plate
 - 1 Bending Plate Packer
 - 1 Backstop
 - 1 Counterbalance Assembly
- Operating Instructions

Packed in a robust Pallet Mounted Carton

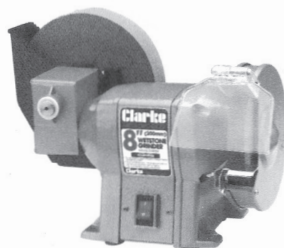
Code	Description	Price each
DF001	BF620-2 Model	£1,601.35
DJ002	Stand & Tray	£196.98
DO45	Clamp Bar 32x32x6mm plain angle 600mm long	£26.69
DO71	Clamp Bar 32x32x6mm bevelled 45° 600mm long	£43.95
D102	Clamp Bar 32x32x6mm bevelled 60° 600mm long	£43.99
DO57	Clamp Bar 25x25x5mm plain angle 600mm long	£21.99



Grinder/Polisher & Bandsaw Accessories

CBG8W Wetstone/Drystone Grinder

- Grinder with Wetstone and Drystone.
- Wetstone wheel includes tool rest / water bath for extra fine finishing.
- High speed Drystone for grinding / shaping.
- Adjustable eye shield, spark guard and tool rest on Drystone wheel.
- Anti-vibration rubber feet and holes for mounting.
- Wetstone wheel size: 200 x 32 x 20mm Bore.
- Drystone wheel size: 150 x 21 x 12.7mm Bore.
- 135rpm Wetstone, 2960rpm Drystone
- 275W Motor
- Weight 11kg



Code	Description	Price
CBG8W	Wetstone/Drystone Grinder	£67.95

Blades for RSBS8

Code	Size	Price
RPBS8A	56" x 1/4 x 10	£8.16
RPBS8B	56" x 3/8 x 6	£8.49
RPBS8C	56" x 1/4 x 14	£8.16

Blades for RSBS12

Code	Size	Price
RPBS12C	88" x 1/4 x 6	£8.16
RPBS12D	88" x 1/2 x 6	£8.84
RPBS12E	88" x 3/8 x 10	£8.49

Blades for RSBS10-BD

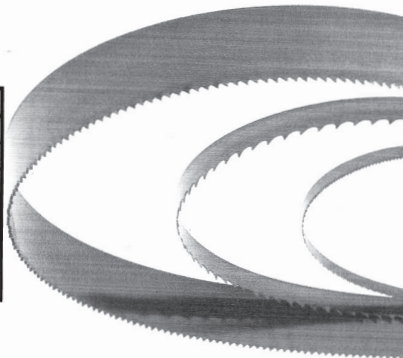
Code	Size	Price
BB701206	70" x 1/2 x 6	£8.84
BB701214	70" x 1/2 x 14	£8.84
BB701406	70" x 1/4 x 6	£8.16
BB701414	70" x 1/4 x 14	£8.16

Blades for BK3

Code	Size	Price
7701056	56½" x 3/8 x 6	£8.49
7701018	56½" x 1/4 x 10	£8.16
7701025	56½" x 1/4 x 14	£8.16
7701032	56½" x 1/4 x 24	£8.16
7701049	56½" x 1/4 x 32	£8.16

Bandsaw Accessories WSL

Code	Description	Price
001200	Tension Knob	£3.20
011211	Securing Knob	£3.10
7600687	Tracking Kit	£12.40
7600205	Roller and Pin	£2.20
7600199	Guide Blocks and Centre Plate	£18.97
7600076	BK3 Rip Fence	£20.62
7600688	Timing Belt - Low Speed	£6.23



Sabre Bandsaw

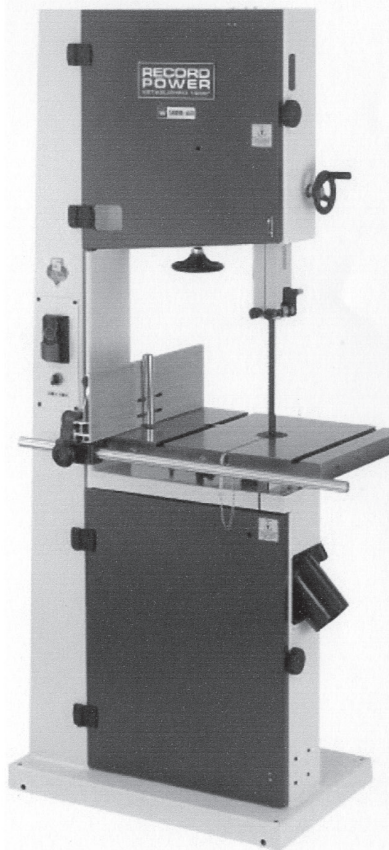
The Sabre-450 is the next evolutionary step from the highly regarded Startrite bandsaws. This bandsaw builds on the previous success and boasts a range of fantastic new features. The 1500W output (2hp) motor drives the heavy cast iron wheels with ample power to cope with the heaviest of cuts. The cam-action fence adjustment, spring-loaded guides, cam-action blade tension release and double-sided fence mount make this a machine that is easy to set up and use and leaves you free to concentrate fully on the project in hand. The Sabre-450 features an electromechanical braking system, making it ideal for use in educational environments. This machine requires a 16amp power supply.

Features

- Heavy Duty Cast Iron Bandsaw Wheel
- Electromechanical Braking System
- Double-Sided Fence Mount
- Cam-Action Blade Tension Adjustment
- Easy-Adjust Blade Guides
- Single-Point Fence Included
- Heavy Duty Double Trunnion
- Table Levelling Pin
- Inspection Window for Easy Tracking
- Rack and Pinion Blade Guide Adjustment
- Cam-Action Fence Positioning
- Easy Fence Movement
- Heavy Duty Tensioning System
- Useful Height Guide

Specifications

	SABRE-450
Blade Length	153"
Blade Speed	1000m/min
Motor Input P1	2000W
Motor Output P2	1500W
Extraction Port Diameter	100mm
Throat Depth	445mm
Max Depth of Cut	320mm
Table Size	658x400mm
Table Height from Floor	900mm
Blade Width	1/4-1.3/8"
Weight	149kg
Dimensions (HxWxD)	1880x976x740mm



Code	Phase	Blade Length	Price
SABRE-450	Single phase	153"	£1,199.99
756-0351	Heavy Duty Cast Iron Mitre Fence		£58.30
756-0352	Wheel Kit		£61.99

See Page 53 for Blades

Scroll Saw / Welders

Scroll Saw Blades

Unpinned Scroll Saw Blades			Pinned Scroll Saw Blades		
Code	Overall length 130mm	Price per Pk10	Code	Length between pins 127mm	Price per Pk10
SSBU7	7 Teeth per 25mm	£5.40	SSBW7	7 Teeth per 25mm	£5.50
SSBU10	10 Teeth per 25mm	£5.45	SSBW10	10 Teeth per 25mm	£5.55
SSBU15	15 Teeth per 25mm	£5.52	SSBW15	15 Teeth per 25mm	£5.60
SSBU18	18 Teeth per 25mm	£5.56	SSBW18	18 Teeth per 25mm	£5.65
SSBU20	20 Teeth per 25mm	£5.67	SSBW20	20 Teeth per 25mm	£5.68
SSBU25	25 Teeth per 25mm	£5.69	SSBW25	25 Teeth per 25mm	£5.70

see page 137 for scroll saw machine

Welders

MIG105EN 100 amp maximum output from a 230v supply. Wire sizes 0.6/0.9mm. Max weld thickness 4-5mm.

Price each £229.95

MIG151EN 150 amp maximum output from a 230v supply. Wire sizes 0.6/0.9mm. Max weld thickness 5-6mm.

Price each £279.95

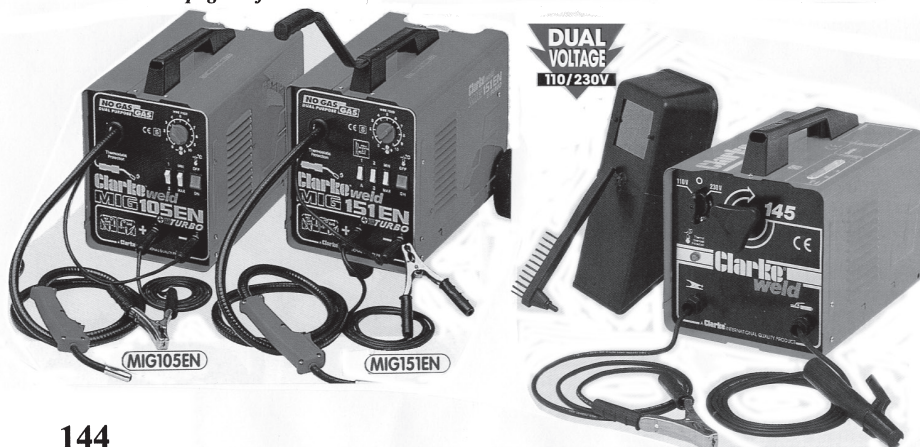
ARC145TN 40-140 amp range output from a 230v supply. Electrodes 1.6-3.25mm.

Price each £114.95

see page 36 for Arc rods

Welding Wire

Code	Size	Spool	Type	Price
NW802062	0.8	0.3Kg	ALU	£13.95
NW802132	0.6	0.7Kg	M/S	£5.95
NW802134	0.6	5.0Kg	M/S	£19.69
NW802133	0.8	0.7Kg	M/S	£5.84
NW802135	0.8	5.0Kg	M/S	£16.88
NW802051	0.8	0.5Kg	S/S	£17.44
Flux Cored (For No Gas MIG Welder)				
6000664	0.9	0.45Kg	M/S	£8.95
6000666	0.9	4.5Kg	M/S	£59.95



Drilling Machines / Sander / Dust Extractor

Heavy Duty Drilling Machines

DP58B Bench drill. 16mm drill capacity.
12 speeds 180-2740 rpm. 80mm depth of feed.
371/548mm distance from chuck to table/base.
3/4hp motor. **Price each £315.99**

DP58P Floor drill. 16mm drill capacity.
12 speeds 180-2740 rpm. 80mm depth of feed.
668/1154mm distance from chuck to table/base.
1hp motor. **Price each £373.99**

Both Drilling machines have No volt safety isolater switch.



DP58B

DP58P

Dust Extractor Units

The **RSDE2** is a general purpose workshop dust extractor with a 50 litre capacity. It is a compact and powerful single motor drum machine and is supplied with a castor wheel set, a 100-32mm reducer with 2 metre of 32mm hose, 2 metre of 100mm hose, 5 paper bags and an easy fit cuff.

The **DX1000** is an excellent value 45 litre dust extractor which is ideal for limited budgets or single machines which require a dedicated extractor. This compact but powerful high filtration machine is designed to filter down to 0.5 microns to minimize the amount of harmful dust in the workshop. It is particularly useful for fine dust producers such as saws or sanders.

Code		Price
RSDE2	50ltr Dust Extractor Unit	£245.99
DX1000	45ltr Value Dust Extractor Unit	£99.89
Accessories		
DX1500E	Paper Bags (5)	£6.55 pk 5
DX1500F	Cartridge Filter	£13.99

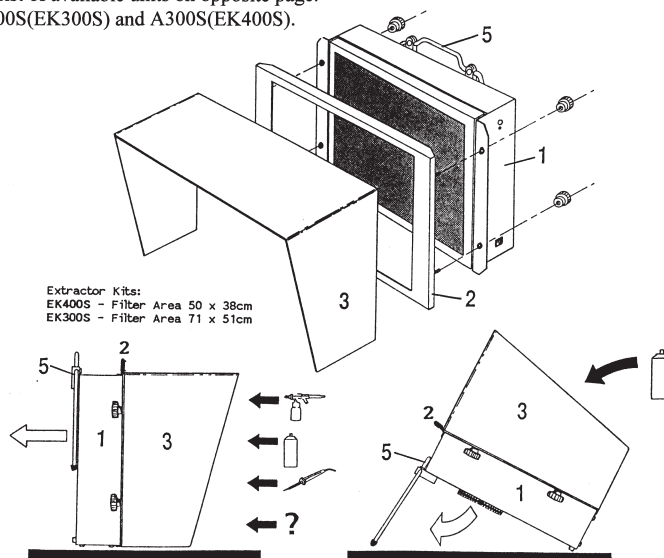


Carriage Extra

Filtration / Extraction Systems

At source air filtration and extraction cabinets for desk, bench and portable applications. Ideal for extracting aerosol particulates and vapours, solder/adhesive resin fumes and general chemical gasses and vapours. List of available units on opposite page.

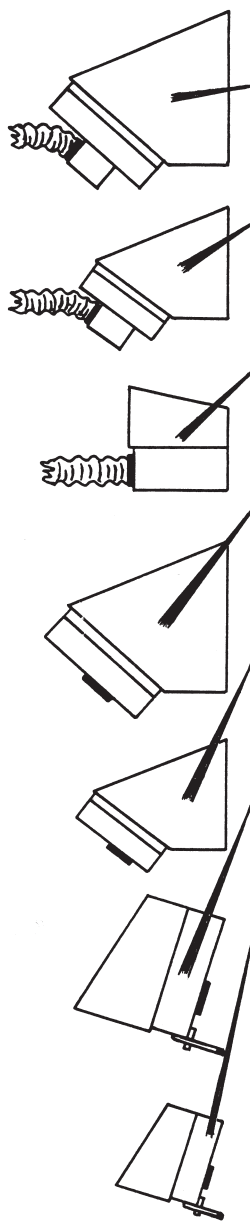
Illustrated A200S(EK300S) and A300S(EK400S).



Model	Description	Price
A300S (EK400S)	Air Filtration Cabinet. Incorporating: Axial Fan, Cabinet, Particulate & Carbon Filtration.	£331.17
A200S (EK300S)	Air Filtration Cabinet. Incorporating: 2 x Axial Fans, Cabinet, Particulate & Carbon Filtration.	£369.99
A200H (EK200H)	Hood mounted air filtration system. Incorporating: Axial Fan, Cabinet & Hood, Particulate & Carbon Filtration.	£598.50
A100H (EK100H)	Air Filtration Cabinet. Incorporating: 2 x Axial Fans, Cabinet & Hood, Particulate & Carbon Filtration.	£823.45
A300S-D (FFA3/D)	Air Extraction Cabinet. Incorporating: Centrifugal Blower, Cabinet, Particulate Filter, 2 Mtr Flexi-Duct.	£210.63
A200H-D (EK200H-D)	Air Extraction Cabinet. Incorporating: Centrifugal Blower, Cabinet & Hood, Particulate Filter, 2 Mtr Flexi-Duct.	£883.47
A100H-D (EK100HD)	Air Extraction Cabinet. Incorporating: 2 Centrifugal Blowers, Cabinet & Hood, Particulate Filter, 2 x 2 Mtr Flexible-Duct.	£999.99

For replacement filters see page 148

VERSATILE, MODULAR AIR FILTRATION SYSTEMS, FOR NUMEROUS STUDIO & WORKSHOP APPLICATIONS



Filtration Extraction Systems

Model No	Previous	EK400S	EK300S	EK200H	EK100H	FPA3/D	+	EK200H/D	EK100H/D
Extractor Type	Current	A300S	A200S	A200H	A100H	A300S-D	+	A200HD	A100H-D
Filter Area Size	Recirculating	495 x 372mm	705 x 502mm	495 x 372mm	705 x 502mm	Ducted to outside		Ducted to outside	Ducted to outside
Air Volume through Filters	20" x 15"	355m/hr	710m/hr	20" x 15"	28" x 20"	495 x 372mm		495 x 372mm	705 x 502mm
Ave Velocity at filter face	0.5 m/sec	210 cfm	420 cfm	210 cfm	28" x 20"	20" x 15"		20" x 15"	28" x 20"
Fan Type	98 ft/min	0.5 m/sec	0.5 m/sec	0.5 m/sec	98 ft/min	385m/hr		385m/hr	770m/hr
Fan Motor	220/240v 50hz	40 Watts	80 Watts	40 Watts	80 Watts	105 Watts		105 Watts	210 Watts
Particulate filter	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes
Carbon filter	Yes	Yes	Yes	Yes	Yes	No		No	No
Ducting and Sizes	No	No	No	No	No	Yes - 100mm x 2m		Yes - 100mm x 2m	Yes - 100mm x 2m
Odour removal	Partial	Partial	Partial	Partial	Partial	All		All	All
Dimensions -	580x390x370mm	790x520x410mm	680x600x540mm	960x760x710mm	960x760x710mm	565x390x430mm		680x600x540mm	960x760x710mm
Width x Height x Depth	23" x 15" x 14"	31" x 20" x 16"	27" x 24" x 21"	38" x 30" x 28"	38" x 30" x 28"	22" x 15" x 17"		27" x 24" x 21"	38" x 30" x 28"
Weight	11kg	19kg	20kg	36kg	36kg	10kg		21kg	38kg
Maximum artwork size	24lb	42lb	44lb	79lb	79lb	22lb		46lb	84lb
Maximum 3D object size	400x250x200 mm	650x400x250 mm	470x370x310 mm	750x470x410 mm	750x470x410 mm	380x250x200 mm		470x370x310 mm	750x470x410 mm
(Width x Height x Depth)	16x10x8 in	25x16x10 in	19x15x12 in	30x19x16 in	30x19x16 in	15x10x8 in		19x15x12 in	30x19x16 in

* These units are of a recirculating type and are not intended for use with ducting, however should heavier than initially intended use develop, ducting can be added as an option if necessary.

** Low level of solvent odour removal - not for high concentrations of solvents etc.

A2 & A1 drawing boards can be inserted into the extraction unit at a convenient working angle

+ Can be used in upright position (for 3D applications) or in reclining position (for artwork spray adhesives and fixatives).

Models EK400S & EK300S can be mounted onto the relevant hoods to convert into EK200H & EK100H models.

Filtration Extraction Systems

Code	Description	Price
IFA3P	Pack of 6 particulate (intake) filters, for spray and general dust particle capture to 5 microns. Model No's A300S-D (FFA3/D), A300S (EK400S), A200 (HEK200H), A200H-D (EK200H-D), T460S-C (EK400S-C), T660H-C (EK200H-C), T550S-D, P1001, P1001-D and P1002-C (495x372x23mm)	£77.05
IFA2P	Pack of 6 particulate (intake) filters, for spray and general dust particle capture to 5 microns. Model No's A200S (EK300S), A100H (EK100H), A100H-D (EK100H-D), T670S-C (EK300S-C), T930H-C (EK100H-C), P1002, P1002D and P1002-C (750x502x47mm)	£102.55
CHA3	Carbon impregnated fibre filter (single) for low level solvent odour removal in model No's A300S (EK400S), A200H (EK200H) and P1001 (495x372x12mm)	£23.50
CHA2	Carbon impregnated fibre filter (single) for low level solvent odour removal in model No's A200S (EK300S), A100H (EK100H) and P1002 (705x502x12mm)	£36.50
FKA3	Filter Kit - Contains 3xIFA3 particulate filters and 1 x CHA3 carbon impregnated filter. For model No's A300S (EK400S), A200H (EK200H) and P1001	£54.52
FKA2	Filter Kit - Contains 3xIFA2 particulate filters and 1 x CHA2 carbon impregnated filter. For model No's A200S (EK300S), A100H (EK100H) and P1002	£78.75
HEA3	Pleated fine particulate (intake) filter (single) for solder fume particulate and fine dust/powder capture to 1.0 microns. For recirculatory model No's A300S (EK400S), A200H (EK200H), T460S-C (EK400S-C), P1001, P1001-C (495x372x23mm)	£47.00
HEA2	Pleated fine particulate (intake) filter (single) for solder fume particulate and fine dust/powder capture to 1.0 microns. For recirculatory model No's A200S (EK300S), A100H (EK100H), T670S-C (EK300S-C), P1002, P1002-C (705x502x47mm)	£71.50
HE405	Pleated fine particulate (intake) filter (single) for solder fume particulate and fine dust/powder capture to 0.3 microns. For recirculatory model No's T370H and T570H (405x320x47mm)	£97.50
HE495	Pleated fine particulate (intake) filter (single) for solder fume particulate and fine dust/powder capture to 0.3 microns. For recirculatory model No's A300S (EK400S), A200H (EK200H), T460S-C (EK400S-C), P1001, P1001-C (495x372x23mm)	£104.50
HE705	Pleated fine particulate (intake) filter (single) for solder fume particulate and fine dust/powder capture to 0.3 microns. For recirculatory model No's A200S (EK300S), A100H (EK100H), T670S-C (EK300S-C), P1002, P1002-C (705x502x47mm)	£157.50
HE/CA/405	Pleated fine particulate (intake) filter (single) for Activated carbon filter combined for gases, vapours, solder fume particulate and fine dust/powder capture to 0.3 microns. For recirculatory model No's T370H and T570H (405x320x73mm)	£193.50
AC200	High capacity activated carbon filter for gas and solvent capture. For model No's T460S-C (EK400S-C), T660H-C (EK200H-C) and P1001-C (405x320x50mm)	£108.50
AC100	High capacity activated carbon filter for gas and solvent capture. For model No's T670S-C (EK300S-C), T930H-C (EK100H-C) and P1002-C (585x450x50mm)	£157.50

Dust Extractors

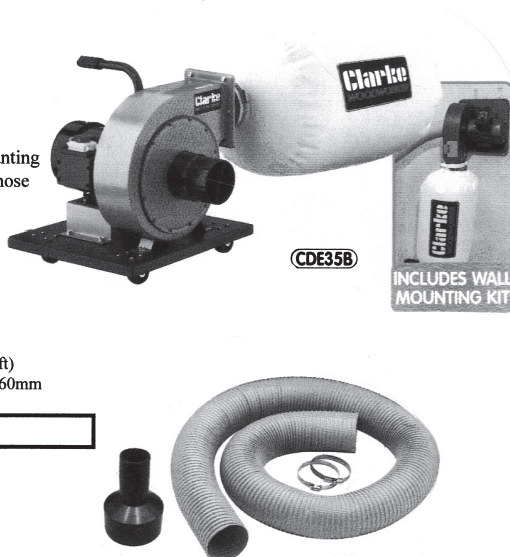
CDE35B Dust Extractor

- Powerful 1hp induction motor
- 450cfm air flow rate
- 5 micron filter bag
- Easy to move with four castors
- Wall mounting capability
- Supplied with two hooks for wall mounting
- Supplied with 4" diameter 2.5m long hose and a hose reducer

Specification

Motor	1hp (750W)
Air flow rate	450cfm
Hose dia	4"
Hose connection dia	2"
Hose length	2500mm
Bag Volume	0.056m ³ (2 cuft)
Overall size (LxWxH)	470 x 380 x 460mm
Weight	22Kg

Price	£164.79
--------------	----------------



CDE7B Dust Extractor

- Powerful 1hp induction motor
- 500cfm air flow rate
- 5 micron filter bag and cloth collection bag
- Easy to move with four castors
- Supplied with 4" diameter 2.5m long hose and a hose reducer

Specification

Motor	1hp (750W)
Air flow rate	500cfm
Hose dia	4"
Hose connection dia	2"
Hose length	2500mm
Bag Volume	0.057m ³
Overall size (LxWxH)	710 x 510 x 1520mm
Weight	27Kg

Price	£182.15
--------------	----------------



Thermoforming & Thermoplastic Processing Equipment

Vacuum Forming

CRC 1820

- 432 x 482mm (17 x 19") aperture.
- 8mm (0.312") max. Sheet thickness.
- 280mm (11") max. Mould height.
- Four zone ceramic heater system.
- Inverse wiring system gives precise control of heat emission.
- Cantilevered heater hood for roll feeding material.
- Digital timer with alarm.
- Blow release.
- Half size, quarter size and special size reducing plates available.
- Floor standing with castors for mobility.

CRC 725FLB

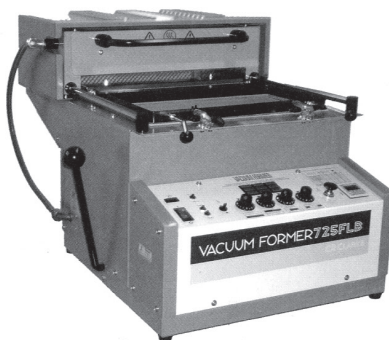
- 228 x 432mm (9 x 17") aperture.
- 6mm (0.25") max. Sheet thickness.
- 140mm (5.5") max. Mould height.
- Four zone ceramic heater system.
- Heater mode display.
- Digital timer with alarm.
- Blow release.
- Half size reducing plate (optional).
- Stand and reducing frame available (optional)

CRC 750FLB

- 432 x 482mm (17 x 19") aperture.
- Specification as CRC 725FLB.

CRC 1210

- 204 x 280mm (8 x 11") aperture.
- 6mm (0.25") max. Thickness.
- 100mm (4") max. Mould height.
- Ceramic heater system.
- Blow release.
- Stand available (optional).



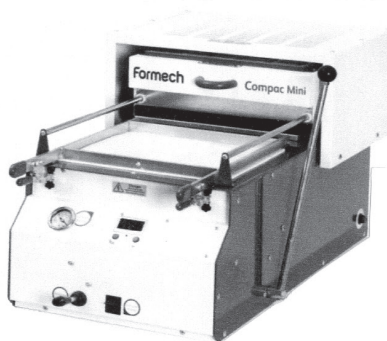
Order Code	Description	Price
CRC 1820	Vacuum Forming Machine - Aperture 482 x 432mm	£6,930.99
1820R/1	Reducing Frame - Aperture 432 x 228mm	£205.95
1820R/2	Reducing Frame - Aperture 228 x 204mm	£205.96
1820K	Service Kit c/w Silicone Seal, Platen Seal & Adhesive kit	£81.90
CRC 725FLB	Vacuum Forming Machine - Aperture 432 x 228mm	£2,796.99
725R	Reducing Frame - Aperture 228 x 204mm	£148.95
725S	Stand with Castors	£232.95
725K	Service Kit c/w Silicone Seal, Platen Seal, Filter & Adhesive	£66.95
725/25	Silicone Seal 458 x 254mm (725FLB / 1820R/1 / 750R/1)	£37.95
725/26	Silicone Seal 228 x 204mm (725R / 1820R/2 / 750R/2)	£25.95
725RK	Service kit for Reduction Frame Silicone Seal & Adhesive	£39.95
CRC 750FLB	Vacuum Forming Machine - Aperture 482 x 432mm	£4,650.99
750R/1	Reducing plate - 750FLB - Aperture 432 x 228mm	£176.95
750R/2	Reducing plate - 750FLB - Aperture 228 x 204mm	£176.96
750K	Service Kit c/w Silicone Seal, Platen Seal, Filter & Adhesive	£73.95
CRC 1210	Vacuum Forming Machine - Aperture 280 x 204mm	£1,750.99
1210S	Stand with Castors	£207.95
1210K	Service Kit c/w Silicone Seal, Platen Seal & Adhesive	£47.95

Formech Vacuum Forming

Compact Mini

Fixed heater box which slides forward on guide rails.
Interlocking table stops table from being raised whilst heater box is in the forward position.
Auto zone control infrared heaters concentrically arranged to eliminate the need for presetting zones.
Simple two button operation.
Forming Area: 280x230mm
Depth of Draw: 130mm
Sheet Size: 300x250mm

	Price
Machine Price	£1,759.40
Reduction Window 125x100mm	£80.00
Mini Trolley	£229.90
Spare Parts Kit	£158.50



450DT

Vacuum former with high resolution 4" touchscreen for convenient and precise control. 20 program memory allows users to conveniently store and recall projects.
Quartz heaters with variable standby.
4 independently controllable heating zones.
Forming Area: 430x280mm
Depth of Draw: 160mm
Sheet Size: 450x300mm

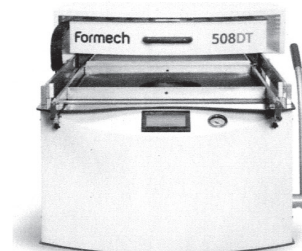
	Price
Machine Price	£2,840.50
Reduction Window 228x203mm	£110.00
Trolley	£248.90
Spare Parts Kit	£207.95



508DT

User friendly vacuum former with the power and capability to form demanding shapes and material. High resolution 4" touchscreen for convenient and precise control. 20 program memory allows users to conveniently store and recall projects.
Quartz heaters with variable standby.
4 independently controllable heating zones.
Forming Area: 482x432mm
Depth of Draw: 185mm
Sheet Size: 508x457mm

	Price
Machine Price	£4,540.99
Reduction Window 228x203mm	£121.00
Trolley	£253.65
Spare Parts Kit	£273.60



Thermoforming & Thermoplastic Processing Equipment

Hot Wire Strip Heaters

CRC500 and 920

Hot wire strip heaters with a single guarding heating wire and one power setting. Working lengths are 500mm and 920mm respectively, the machines are suitable for heating materials from 1-5mm in thickness.



CRC500

CRC600S, 1000S and 1500S

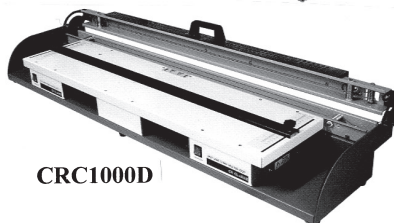
Hot wire strip heaters offering single sided heating. The working lengths of the machines are 600mm, 1000mm and 1500mm respectively. Wires are adjustable for height and spacing allowing materials up to 8mm thick to be processed. The hinged clamp beam holds the material in position during the heating cycle. A calibrated workstop makes setup quick and easy.



CRC600S

CRC600D, 1000D and 1500D

These machines are identical to the S range but with the addition of upper heating wires in the clamp beam. This reduces heating times by up to 50% and is especially effective on materials of 3mm thick and above. These machines can process materials up to 10mm thick.



CRC1000D

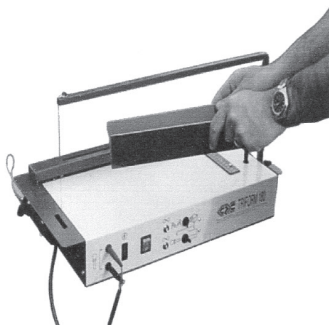
Order Code	Description	Price
CRC500	Hot Wire Strip Heater 500mm capacity	£374.95
CRC600S	Hot Wire Strip Heater 600mm capacity Single Sided	£533.99
CRC600D	Hot Wire Strip Heater 600mm capacity Double Sided	£873.99
CRC920	Hot Wire Strip Heater 920mm capacity	£559.95
CRC1000S	Hot Wire Strip Heater 1000mm capacity Single Sided	£841.95
CRC1000D	Hot Wire Strip Heater 1000mm capacity Double Sided	£1,180.95
CRC1500S	Hot Wire Strip Heater 1500mm capacity Single Sided	£1,263.95
CRC1500D	Hot Wire Strip Heater 1500mm capacity Double Sided	£1,692.95
Spares		
900/31	Ni-chrome Wire 25SWG x 10M	£20.90
900/32	Ni-chrome Wire 20SWG x 10M	£24.90
500-95	Ni-chrome Wire for CRC500 (Pack of 3)	£24.98
920-95	Ni-chrome Wire for CRC920 (Pack of 2)	£24.99

Thermoforming & Thermoplastic Processing Equipment

Expanded Polystyrene Cutting

CRC180 Hot Wire Cutter / Line Bending Heater

- 300mm (12") cutting length.
- Tensioned wire on a C shaped bow.
- Tilting options of 22.5, 30 or 45 degrees.
- Fitted with a sculptor tool for freehand sculpting of expanded polystyrene.
- Heating wire is energised by foot pedal, minimising any fumes from the material being cut.



CRC280 Hot Wire Cutter

Expanded thermoplastic materials can be cut using a hot wire melting the material which then shrinks and clears a path for the wire to advance.

- 280mm (11") cutting length.
- 635mm (25") throat depth.
- Adjustable work guide for accurate material referencing.
- Robust polyethylene work table.
- Wire bow protractor accurately sets angles, chamfers and cones.
- 5 cutting speeds.
- 3 sculpting speeds.
- Foot switch virtually eliminates fumes from any residue left on heating wire.



Order Code	Description	Price
CRC180	Triform Hot Wire Cutter / Line Bending Heater	£556.95
CRC280	Hot Wire Cutter	£632.99
	Spares	
280EB	Extended Bow 1000mm throat depth	£60.99
280S	Sculptor Tool only	£72.99
900/31	Ni-chrome Wire 25SWG x 10M	£20.90
900/32	Ni-chrome Wire 20SWG x 10M	£24.90

Thermoforming & Thermoplastic Processing Equipment

Dip Coating

Plastic dip coating involves heating the metal object and fluidising the plastic powder. The metal object is heated in an oven to between 200 and 400 C, depending on the thermal mass (the greater the thermal mass the less heat required).

Plastic powder is then fluidised by passing high volume low pressure air through it. When the heated object is dipped into the bath of fluidised powder, the heat from the object causes the powder to melt on contact and coat all its external surfaces. The object is then removed from the bath and the residual heat continues to act on the powder, causing it to flow to a smooth and attractive finish.

Fluidised Baths

A standard range of three units are available ranging from 5 litre to 50 litre static volume.

Each unit has a porous PVC membrane allowing low pressure high volume air into the bath whilst forming a barrier preventing powder entering the chamber below.

A steel mesh guard is provided to protect the membrane from accidental damage by contact with the hot metallic components during the dip coating process.

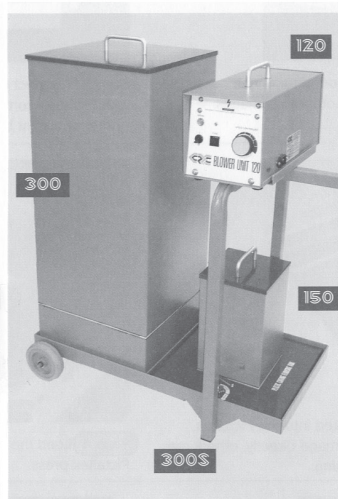
CRC 300 Fluidised Bath

- Requires air supply.
- Freestanding unit.
- 50L static volume.
- Integral plenum box
- 20kg powder ample for initial Fill and topping up.



CRC150 Fluidised Bath

- Accessory for location on top of 300.
- 5L static volume.
- Quick acting clamps.
- Allows economical use of more expensive powder or quick change of colour irrespective of the contents of the lower bath.



CRC150R Fluidised Bath

- Size as CRC150 but freestanding with integral flow valve and plenum box. Variety of air input sources may be used including 120 blower suction unit or one of our vacuum forming machines with a pressure outlet (Retro-fit kit).

CRC120 Blower Suction Unit

- Blow / suck capacity.
- Provides low pressure high volume air for all fluidised baths.
- Variable speed regulator gives optimum fluidised pressure.
- May be used for other applications and demonstrations such as venturi effects or vacuum demonstrations.

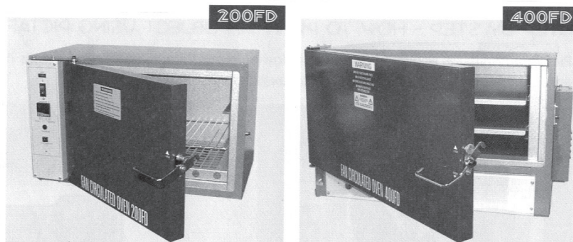
CRC300S Stand

- Mobile stand for models 300, 150 and 120. Makes a mobile dip coating workstation.

Thermoforming & Thermoplastic Processing Equipment

Ovens

A range of Fan Circulated Ovens which are suitable for heating materials prior to dip coating, dome blowing, press forming and thermoforming. They may also be used for pre drying materials prior to vacuum forming. All ovens are capable of heating materials up to 350C, and are fitted with digital temperature controllers and high quality insulation for optimum energy efficiency. CFC400FD comes complete with stand, stand for CFC200FD is available separately.



Order Code	Description	Price
CRC300	Fluidised Bath 50Ltr	£279.99
CRC150	Fluidised Bath 5Ltr	£152.95
CRC150R	Free-standing Bath 5Ltr	£152.96
CRC120	Blower/suction Unit	£573.99
CRC300S	Stand for 300, 150 & 120	£152.95
CRC120K	Kit containing Blower/suction Unit, 5Ltr and 50Ltr Fluidised Bath and Stand	£1,136.50
CRC200FD	Fan Circulate Oven	£1,459.95
CRC200S	Stand for 200FD	£256.96
CRC400FD	Fan Circulated Oven Requires 14 - 25 Amp Supply	£3,902.95
300/06	Porous Membrane 300mm Sq.	£38.99
150/04	Porous Membrane 150mm Sq.	£26.99

Dip Coating Powder

Colour	Per		
	Kg	5Kg	20Kg
Black	£6.91	£32.82	£110.53
White	£6.49	£30.83	£103.81
Blue	£7.51	£35.63	£120.02
Red	£8.54	£40.56	£136.61
Yellow	£9.12	£43.33	£145.93
Orange	£9.13	£43.38	£146.12
Green	£9.17	£43.55	£146.68
Brown	£7.64	£36.30	£122.26

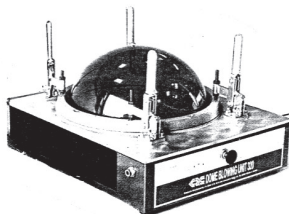
Thermoforming & Thermoplastic Processing Equipment

Dome Blowing

Dome blowing is carried out by heating a suitable material in an oven until it becomes flexible or rubbery. Transferring the material when hot to a ring like clamp and blowing low pressure air under the clamped material to form a dome. Masks may be added to the clamp ring to alter the shape produced.

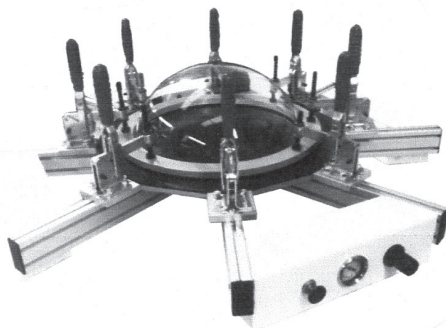
CRC320 Dome Blowing Unit

- 300, 225 & 150mm (12, 9 & 6") Dia. Dome blowing clamping rings.
 - Rigid cast aluminium forming rings.
 - Integral valve controls the blowing process.
 - Durable silicone cold vulcanised air seal.
 - Toggle clamp fully adjustable up to 10mm.
 - Runs from pressure outlet of vacuum forming machines* or a suitable compressed air supply.
- *Excludes 1800.



CRC650 Dome Blowing Unit

- Designed for free dome blowing of heated thermoplastic sheet using air pressure supplied by an independent source, such as a compressor.
- Supplied with one ring to customer requirements (100-600mm diameter available).
- Integral pneumatic valve for blowing process control.
- Durable rubber seal plate with air diffuser.
- Fully adjustable toggle clamps.
- Typically used with 3-8mm thickness material.
- Pressure regulator and air control valve.

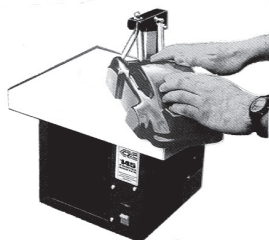


Trimming

CRC145 Profile Router

Trims light gauge vacuum formings and thin gauge thermoplastics.

- Combined fence/guard enables fine details to be trimmed.
- Cuts with or without flanges.
- Swarf collection duct connects to existing extraction unit.



Order code	Description	Price
CRC320	Dome Blowing Unit - 300, 225, 150mm Dia	£815.95
CRC650	Dome Blowing Unit - Please advise size required (100-600mm)	£2,464.99
CRC145	Profile Router	£749.95
TOOL-24	Carbide Slot Drill 3.2mm Diameter	£26.99

Low Temperature Casting & Plastic Recycling

LT1 Low Temperature Casting Unit

Designed for use with Pewter so that pupils can observe safely the physical processes of melting and pouring metals. The unique cooling system keeps the entire case cold to the touch while the internal melting pot has a clearly labelled swivel lid for observing the state of the molten metal and adding new material.

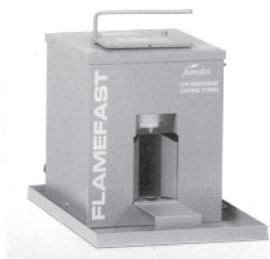
Requiring only a 13 amp 230V AC socket the thermostatically controlled unit is typically ready 15 minutes from switching on.

It does not require an extraction system.

Width 242mm. Height 300mm. Depth 280mm.

Weight 10kg.

LT1	Casting Unit	£795.75
-----	--------------	---------



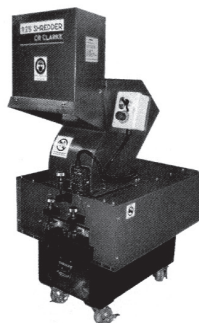
Plastic Recycling System

This equipment is suitable for use with most types of plastic, in particular the commonly used ones such as HDPE, LDPE, HIPS & Acrylic.

R25 Shredder

Mounted on castors for ease of movement, plugs into a standard 13A socket outlet. Plastic materials to be shredded are loaded into the top hopper and are chopped between rotating and static blades. A filter screen in the bottom of the machine ensures that all material pieces are less than 5mm in size.

R25	Shredder 230V	£4,109.95
-----	---------------	-----------



R30 Sheet Press

The shredded material is sprinkled onto a moulding tray loaded into the heat press and pressure is applied. This softens the material and fuses the granules together. The finished sheet is not as homogenised as, for example, a commercially moulded sheet, but is perfect for low-stress applications. The R30 press can form sheets up to 458 x 305mm. One frame 458 x 254mm is supplied with the machine other sizes are available.

R30	Sheet Press 230V	£3,489.95
R30S	Stand with castors R30	£404.99
R30SC	Cooling system option	£364.99
R30T1	Frame 305 x 229mm	£220.97
R30T2	Frame 458 x 254mm	£220.98
R30T3	Frame 458 x 305mm	£220.99



Injection Moulding

Injection Moulding Machines

Advantages

Easy and simple to operate. It enables one man to set the simple and inexpensive tooling. Running costs and maintenance are low. It has a double ejection system. It can be easily converted to air operation.

General Information

The adjustable, quick-action vice was designed for fast and effective production. One movement of the vice handle opens the vice and ejects the mouldings by a cam (or for the longer mouldings, by two side ejectors, fitted in the upright pillars). The top half of the machine is on slides to accommodate different mould widths. The machine is fitted with a guard, interlocked with the injection handles.

Specifications

3/4oz (21 gram) capacity. Stainless Steel barrel. Voltage: 230/240 or 110 volts. Temperature: Energy regulator control with reference dial. Heater capacity: 600 watt. Vice opening: Max 6". Platen: 4" x 3". Mould opening: 2". Machine Dimensions: Base 18" x 12", Height 29".

Machines (Hand Machine illustrated)

Code	Type	Price
KM5102	Hand Machine	£2,469.42
KM5102A	Air Machine	£3,444.80

Materials

High Impact Polystyrene

10 Colours Available:

Red - Orange - Yellow - Green - Blue - Brown - Black - White - Clear - Smoked.

Weight	Price
Kg	£6.20
5 Kg	£30.40
10 Kg	£55.20
25 Kg	£127.64
102SP Starter Pack 10 Kg (1 Kg each Colour)	£59.40

Polyethylene / Polypropylene

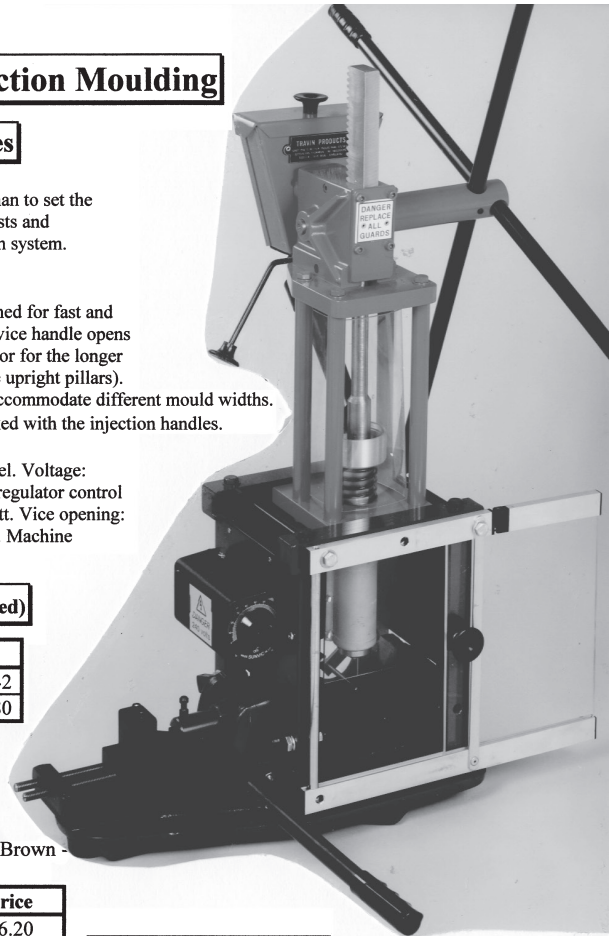
Polyethylene	10 Kg Pack	£41.45
Polypropylene	10 Kg Pack	£42.94

Special Price - just as it comes - colour varies.

Natural Rubber Devcon

1Kg	£15.20
5Kg	£73.83
20Kg	£286.12

Mould Making Material	
500gm	£78.02



Educational Moulds

Steel two part moulds

Screwdriver	£366.87
Decorative Paper Clip	£471.05
Mould Blank	£488.13

Aluminium two part moulds

Paper Clip	£86.33
Golf Tee	£86.26
Lable Tag/Key Fob	£86.51
Pitch Mark Repairer	£86.59
Car Shaped Rubber	£86.89
Draft & Board Square	£150.08
Clothes Peg	£442.40

Machine Tools for Design & Technology

CHAMOIS - PL Series, Dust Extraction Mounted

The RJH Morrisflex CHAMOIS Double-Ended Polisher has a long pedigree, and is favoured for training purposes in most educational establishments. It is also ideal for use in industrial workshops. The CHAMOIS dust extraction model fully complies with UK COSHH regulations, the European Machinery Directive and also with the BS4163 "Health & Safety in Workshops of Schools and Similar Establishments" regulations. All RJH Morrisflex machines carry a 24 month warranty and are supplied with a comprehensive operating manual.

KEY FEATURES

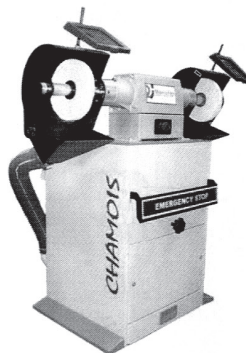
- Integral dust extractor with a tray collector for easier and cleaner waste handling
- Taper adaptors suitable for use with polishing mops, finishing wheels or wire brushes up to 200 x 25mm

SAFETY FEATURES

- No-volt overload push-button starter
- 110 volt control circuit
- Motor thermal overload protection
- Knee stop bar
- Fire retardant terylene needlefelt dustbag
- Heavy duty adjustable polycarbonate eye shields
- Large adjustable mop guards with safe edging and 3" (approx. 76mm) extraction spigots
- Excellent workpiece access.
- Protective sleeves on taper nose on both sides of the polishing mop

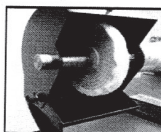
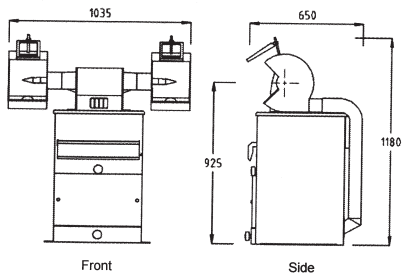
OPTIONAL REFINEMENTS

- Flexible halogen floodlight with transformer
- Lockable triple pole isolator
- Single phase unit
- Parallel adaptors
- Lockable "E" stop



Chamois, PL200E**

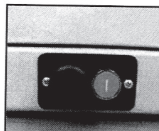
Model shown is fitted with 200 x 25 mm mops (not supplied)



Guards



Protection Sleeves



Electric Controls



Knee Stop Bar

Model	PL2003TE	PL2003SE
Electrics	3 phase	1 phase
Wheel Motor	0.85Kw	0.7Kw
Extractor Motor		0.55Kw
Spindle Speed		3000rpm
Mop/Wheel Size	200mm dia x 25mm wide	
Price	£2969.00	£3199.00

See page 234 for mops and compound

Machine Tools for Design & Technology

Gryphon

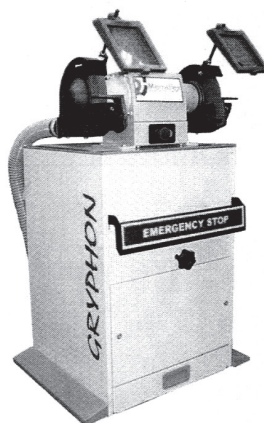
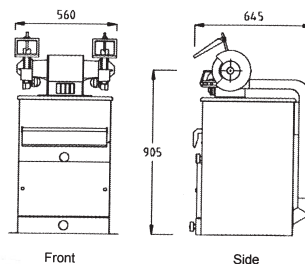
Double Ended Grinder with integral dust extraction

The Gryphon fully complies with HSE and COSHH regulations and the European CE mark directive.

Features include:-

- No-volt overload pushbutton starter
- Emergency stop bar
- Terylene-needlefelt dust bag
- Cast iron guards to maximise protection

Model	GR2003TE	GR2003SE
Electrics	3 phase	1 phase
Wheel Motor	0.85Kw	0.7Kw
Extractor Motor		0.70Kw
Wheel speed		2880rpm
Spindle diameter		20mm
Grinding wheel		200 x 25 x 20mm
Price	£2695.00	£2808.00



Gryphon, GR2003TE

Bear

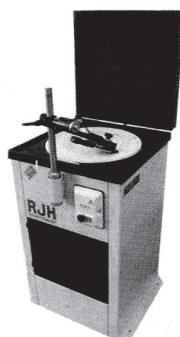
Toolgrinder

The Bear fully complies with HSE and COSHH regulations and the European CE mark directive.

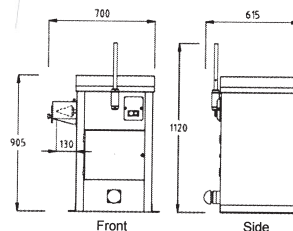
Features include:-

- No-volt overload pushbutton starter
- Automatic safety cut-out if front door is Opened whilst the machine is switched on.

Model	BEAR 1	BEAR 1S
Electrics	3 phase	1 phase
Motor	0.18Kw	0.25Kw
Wheel size		406 x 32mm
Wheel type		Aluminium Oxide A80
Price	£2892.00	£3036.00



Bear, BEAR 1



Machine Tools for Design and Technology

Gerbil

Vacuum Form Plastic Cutting and Finishing Machine

The new 2010 & 2020 multi-purpose cutting machines are an enhancement of the original, and extremely popular, Gerbil.

Developed in partnership with the education sector, these machines can now be used for wood finishing as well as for vacuum form cutting.

2010

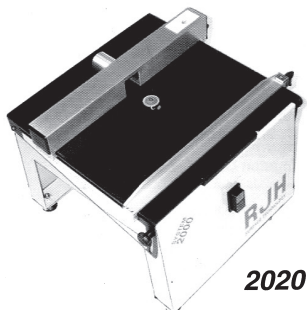
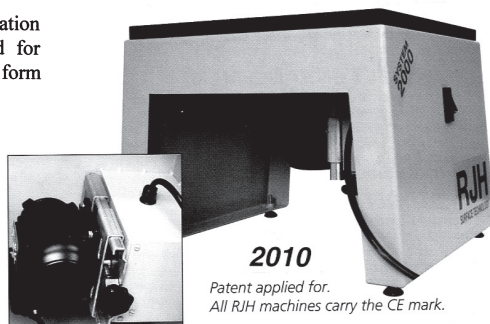
Features include:

- Multi-tool arbor
- Tungsten carbide cutting disc and holder
- Can be upgraded to a 2020

2020

Features include

- Multi-tool arbor
- Tungsten carbide cutting disc and holder
- Adjustable tilting table
- Guide fence
- Dust extraction spigot incorporating guard for tooling
- Light finishing drum sander supplied with cutting template for abrasive sheets
- Tungsten carbide flange cutter



Model	2010	2020
Motor Speed	1380 rpm	
Motor Power	0.07 kW (single phase)	
Cutter Height Adjustment	20mm	
Table Degree Adjustment		10 degrees
Table Size	400mm x 400mm	
Bench Space	460mm x 400mm	
Overall Height	288mm	310mm
Net Weight	19 Kg	21 Kg
Price	£646.00	£919.60
Spare Abrasive discs	£3.80 each	
Spare Tungsten Carbide cutting disc	£21.30 each	

Machine Tools for Design & Technology

ANTELOPE - AN Series , Dust Extraction Mounted

The **RJH Morrisflex ANTELOPE Bandfacer** is one of our most popular machines. It has been designed to meet strict performance and safety criteria, and is therefore ideal for use in schools and colleges as well as in industry. These machines are suitable for working on wood, acrylic or metal. The ANTELOPE fully complies with UK COSHH regulations, the European Machinery Directive and also with the BS4163 "Health & Safety in Workshops of Schools and Similar Establishments" regulations. All RJH Morrisflex machines carry a 24 month warranty and are supplied with a comprehensive operating manual.

KEY FEATURES

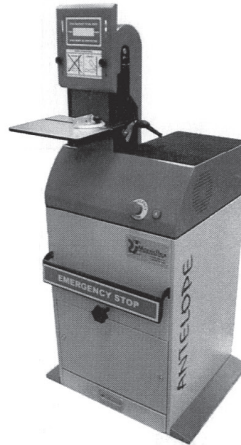
- Integral dust extractor with a tray collector for easier and cleaner waste handling
- Quick action calibrated tilting table for operating positions between 90 and 135 degrees
- Adjustable protractor guide
- Thumb screws for belt adjustment
- Supplied with 150 x 1090 mm aluminium oxide abrasive belt

SAFETY FEATURES

- No-volt overload push-button starter
- 110 volt control circuit
- Knee stop bar
- Fire retardant terylene needlefelt dustbag
- Full guarding including adjustable front belt guard for maximum finger protection
- Protective motor cover

OPTIONAL REFINEMENTS

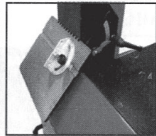
- Flexible halogen floodlight with transformer
- Lockable triple pole isolator
- Single phase unit
- Lockable "E" Stop



Antelope, AN1503VCOB



Electric Controls



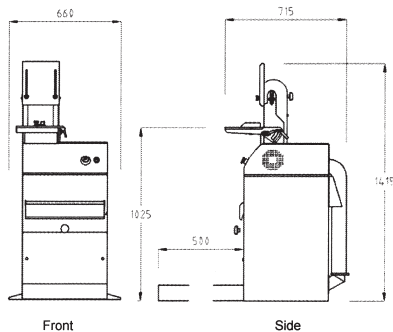
Work Table & Protractor



Knee Stop Bar



Thumb screw for the adjustment of belt

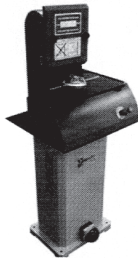


Machine Tools for Design & Technology

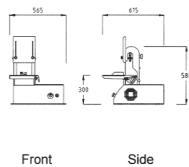
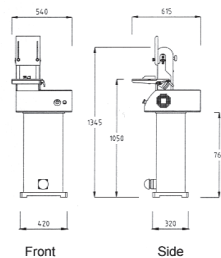
DEER - ED Series, Bench and Pedestal Mounted

The RJH Morrisflex DEER is a bench or pedestal bandfacer designed for use with centralised dust extraction systems. The DEER incorporates the same safety features as the ANTELOPE workhead, and is available with the same optional refinements. The differences to the ANTELOPE are detailed in the table below:

KEY: ●=included, ✕=not available	ANTELOPE	DEER - PEDESTAL	DEER - BENCH
Dust Extractor	●	✕	✕
Push-button Stop	●	●	●
Knee Stop Bar	●	✕	✕
Foot Stop	✕	●	✕
110V control system	●	●	●



Deer, AN150V3P



Deer,
AN150V3B

SPECIFICATION - ANTELOPE & DEER Bandfacers

Antelope AN & Deer							
Motor	Electrical Supply	Bench Mounted		Pedestal Mounted		Dust Extraction Mounted	
		Code	Price	Code	Price	Code	Price
1.5Kw	400/3/50	AN150 V3B	£1,678.00	AN150 V3P	£1,999.00	AN150V3 COB	£3,275.00
0.75Kw	230/50	AN150 V1B	£1,870.00	AN150 V1P	£2,197.00	AN150V1 COB	£3,444.00

Storage Cabinets and Machine Tool Accessories

Highly Flammable Storage Cabinets

Finished in stove enamel yellow and designed to comply with Flammable Liquid Storage Regulation (1972) as appropriate and the factory Inspectorate Guide HSG51. Supplied with labels to BS5378.

GA71524 D457 x L457 x H915mm
Single Door - 1 Shelf **£216.48**

GA71525 D457 x L915 x H915mm
Double Door - 2 shelves **£310.55**

GA71526 D457 x L915 x H1830mm
Double Door - 3 shelves **£435.45**



Gerbil Accessories

Code	Description	Price
762-2012	Tungsten Carbide Disk Holder	£21.35
762-2013	Drum Sander and template	£32.85
762-2014	Multi-tool Arbor	£27.95
762-2015	Tungsten Carbide Flange Cutter & bearing	£27.95

Antelope Abrasive Belts

Size	Grit	Price per 10
150 x 1090 mm	40	£55.80
150 x 1090 mm	60	£49.85
150 x 1090 mm	80	£47.26
150 x 1090 mm	100	£45.94



Bear Accessories

Code	Description	Price
962-1200	Honing Oil (5 Ltr Can)	£39.99
762-4000	Wheel Dressing Attachment	£111.90



Vee Belts and Rubber Bands

Vee Belts

The number following the letter is the inside circumference in inches.
e.g. A60 is 1/2" x 60" - M34 is 3/8" x 34"



A16 £6.75	A32 £10.40	A47 £14.34	A62 £18.13	A77 £22.13	M25 £9.16	M40 £12.11
A18 £7.24	A33 £10.87	A48 £14.44	A63 £19.24	A78 £22.51	M26 £9.36	M41 £12.44
A19 £7.24	A34 £10.65	A49 £14.84	A64 £18.59	A79 £22.85	M27 £9.55	M42 £12.51
A20 £7.24	A35 £11.08	A50 £14.96	A65 £19.11	A80 £22.97	M28 £10.05	M43 £12.80
A21 £7.50	A36 £11.23	A51 £15.15	A66 £19.27	A81 £23.11	M29 £10.13	M44 £13.00
A22 £7.52	A37 £11.34	A52 £15.64	A67 £19.42	M15 £7.25	M30 £10.38	M45 £13.14
A23 £7.79	A38 £11.73	A53 £16.09	A68 £19.46	M16 £7.47	M31 £10.56	M46 £13.31
A24 £8.29	A39 £12.08	A54 £16.21	A69 £20.01	M17 £7.56	M32 £10.59	M47 £13.67
A25 £8.54	A40 £12.40	A55 £16.21	A70 £20.16	M18 £7.69	M33 £10.80	M48 £13.84
A26 £8.77	A41 £12.62	A56 £16.36	A71 £20.39	M19 £8.09	M34 £11.19	M49 £14.11
A27 £9.08	A42 £13.00	A57 £16.92	A72 £20.66	M20 £8.28	M35 £11.51	M50 £14.28
A28 £9.35	A43 £13.33	A58 £17.28	A73 £21.09	M21 £8.58	M36 £11.64	M51 £14.49
A29 £9.52	A44 £13.54	A59 £15.83	A74 £21.38	M22 £8.54	M37 £11.91	M52 £14.63
A30 £9.84	A45 £13.67	A60 £17.65	A75 £21.67	M23 £8.77	M38 £12.03	M53 £14.69
A31 £10.02	A46 £13.84	A61 £18.09	A76 £21.98	M24 £9.00	M39 £12.05	M54 £14.84

Rubber Bands

Rubber Bands size chart 454g (1lb) packs.

Width (mm)	Length (mm)								
	32	41	51	63	76	89	102	127	152
1.5	20339 (No 10)	20342 (No 12)	20344 (No 14)	20346 (No 16)	20349 (no 18)	20350 (No 19)	.....	.....	20353 (No 24)
3	20356 (No 30)	.....	20360 (No 32)	20362 (No 33)	20364 (No 34)	20367 (No 36)	20369 (No 38)
6	20372 (No 63)	20374 (No 64)	20376 (No 65)	.....	20381 (No 69)
9	20387 (No 75)	.....	.....
12	20400 (No 89)

Also available VL20404 Assorted

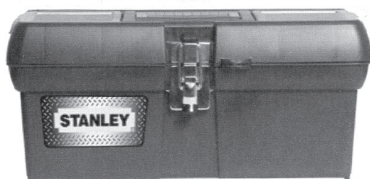
All Priced £5.24 per 454g (1lb)



Toolboxes

Injection Moulded Utility Toolbox

Toolbox with robust metal latches for secure fastening. The soft grip handle folds flat in to the lid, which also includes 2 organisers which are accessible without opening the toolbox. A built in metal (plastic for 22" size) padlock eye enables the toolbox to be locked. Includes removable tote tray inside.



Code	Size	Price
194857	16"	£9.19
194858	20"	£13.80
192146	22"	£9.99
194859	25"	£18.41

Mini Plastic Toolbox

Code	Size	Price
MPT12	12"	£4.80

Cash Box with Combination Lock

Durable steel cash box with combination locking mechanism for keyless convenience. Including removable 6 compartment internal tray for organising coins and spring clip for organising notes under the lid



Code	Size	Price
CBCL	291 x 194 x 82mm	£18.65

Steel Toolboxes

Single Tray

Lockable boxes for tool and equipment storage. All steel construction with powder coated finish and carry handle on top lid.



Code	Size	Price
AB14	14"	£16.78
AB19	19"	£20.73

5 Tray Cantilever

Rigid 5 tray toolbox which has the advantage of displaying the contents when open, while being extremely compact when closed. Tubular steel carry handle opens and closes the box as it is lifted and lowered. The lid of the closed box can be secured with a padlock for added security.



Code	Size	Price
CB518	16"	£21.90

Barn Type

Toolbox made from heavy-gauge sheet steel with a durable powder finish. Fitted with a sturdy carry handle and clip style lock which accommodates a padlock for added security.



Code	Size	Price
TBT16	16"	£11.44
TBT19	19"	£13.60

Storage Cabinets

Storage Cabinets

Durable storage cabinets which can be stacked or wall mounted. Cabinets feature grey polypropylene ends, galvanised steel shelves and clear polystyrene drawers.

Code	Drawer Type	Size	Price
2260	60A	550x300x150	£52.90
2248	48B	550x300x150	£52.91
2224	24C	550x300x150	£52.92
2043	40A 4D 1E	500x300x150	£28.46

Drawer Information

A 35 x 52 x 135

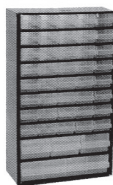
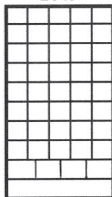
B 37 x 69 x 135

C 57 x 87 x 135

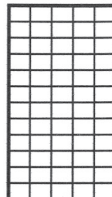
D 57 x 65 x 135

E 57 x 275 x 135

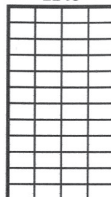
2043



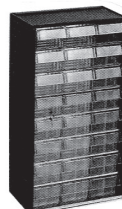
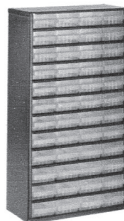
2260



2248



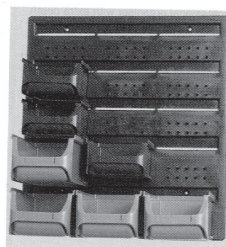
2224



Bin Organiser

Wall mounted storage system containing bins manufactured from high impact polypropylene.

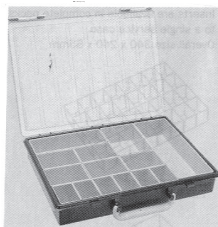
Code	Contents	Dimensions	Price
1815	9 bins	102x100x60mm	£12.35
	6 bins	102x160x75mm	



Service Case 13

Robust box made of unbreakable plastics with 13 removable inserts and supplied with sliding locks and an ergonomic handle.

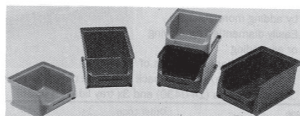
Code	H x W x D	Price
SRCS13	57 x 338 x 261mm	£3.86



Storage Bins

A range of tough high density polyethylene storage bins.

Code	Dimensions	Price
23-2001	70x101x157mm	£2.70
23-2002	126x150x235mm	£4.95
23-2003	150x215x335mm	£6.73
23-2004	175x300x455mm	£13.48
23-2005	200x320x500mm	£15.95



Safety Equipment

D4 Pioneer Spectacle

Adjustable sidearms giving four separate positions. Clear polycarbonate lense. EN166

Code	Description	Price each
D4	Spectacle	£2.81



SE22 Max IVV Eyeshield

With clear acetate anti-mist impregnated lens complete with comfort nosebridge. EN166

Code	Description	Price each
SE22	Eyeshield	£2.58



552 Novaspec Eyeshield

A wide vision eyeshield with integral lens can be worn over spectacles if required. EN166

Code	Description	Price each
552	Eyeshield	£2.60



3 Ply Disposable Face Mask

3 ply design .Soft, odourless and non-irritating with flexible earloops and full width, pliable nosepiece. Protects against dust/ sawdust. High bacterial filtration efficiency (BFE). More comfortable than moulded masks, with less 'fog-up'.

Code	Description	Price Pk 50
986012	Face Mask	£7.75



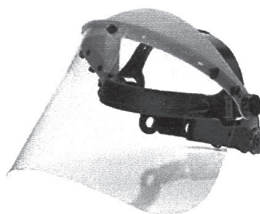
Portwest Browguard and Screen

Browguard with 200mm Polycarbonate screen with adjustable pivot points which allow the screen to be left at any desired angle.

Suitable for Chemical & Molten Metal.

Conforms to EN166.

Code	Description	Price each
954-2200	Complete Unit	£9.85
954-0200	Screen only	£4.92



Face Masks

FFP1 633532 EN149-2001

Fine non-toxic dust, fibres and aqueous mists

FFP2 868550 EN149-2001

Fine non-toxic dust, fibres and aqueous mists

FFP3 633895 EN149-2001

Fine non-toxic dust, fibres and aqueous mists

Valved for added comfort

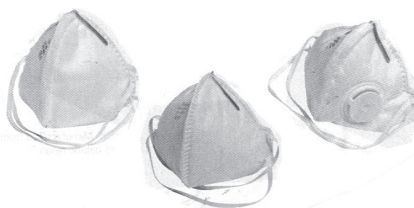
30-2894 EN149-2001 FFP1

Sanding and non-toxic particles

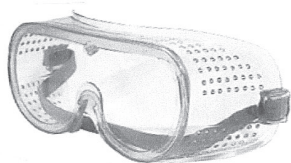
30-2899 EN149-2001 FFP2

Power tools and MDF respirator

Code	Pack size	Price
FFP1 633532	50	£47.85
FFP2 868550	50	£61.75
FFP3 633895	25	£49.25
30-2894	each	£1.83
30-2899	each	£2.60



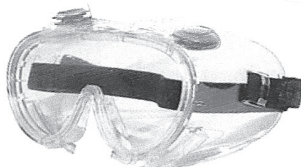
Safety Equipment / Protective Clothing



600 Goggles

With direct ventilation clear frame with polycarbonate lens. Comfortable frame with super soft nosebridge. EN166

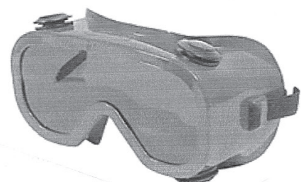
Code	Price each
Type 600 Goggles	£2.56
Spare Elastic	£0.65



900 Goggles

Comfortable frame with supersoft nosebridge and indirect ventilation for full splash and dust protection. EN166 Chemical, Dust & Molten metal.

Code	Price each
Type 900 Goggles	£2.82
Spare Elastic	£0.65



XL25 Goggles

Gas welding goggle with clearflow ventilation directly onto lens surface. EN166 & 175.

Code	Price each
Type XL25 Goggles	£5.18
Spare Elastic	£0.65

Masks

Code	Description	Price
BT390C	Disposable Moulded Face Masks	£0.48 pk 3 £7.20 pk 50

Aprons

Description	Price each
Chrome Leather 36x24	£14.45
Unbleached Cotton Boys 27x22	£2.84
White Poly-cotton Youths 35x26	£7.49
Blue Poly-cotton Youths 35x26	£7.50

Royal Blue Boiler Suits

Code	Description	Price each
BSM46	Medium 100cm	£16.95
BSL48	Large 112cm	£16.99

Ear Plugs

Disposable hygienic ear plugs for high level hearing protection. Confirms to EN352-2. Protection levels: H=36 M=34 L=33 SNR=37dB.

Code	Pack of 5
954-2537	£1.45

Gloves/Gauntlets

Description	Price per pair
Chrome Leather Gloves	£1.78
Chrome Leather Gauntlets	£4.99
PVC Red/Grey Acid Chemical and oil resistant	£2.24
Vinyl Disposable Gloves	£5.50 per 100
Latex Disposable Gloves	£6.78 per 100

Leggings (Chrome Leather)

Description	Price per Pair
12" Leggings	£15.81
14" Leggings	£16.89

Ear Defenders

Code	Description	Price each
2452	Bilsom Blue	£9.86

Cleaning Rags

5Kg Box	£6.80
---------	-------

Stockinette Roll

Stockinette Roll	400g	£3.78
	800g	£6.75

Personal Cleansing & Skin Care

Swarfega Original

Rapid hand cleansing jelly for removing oil and grease.

SO0025	275ml	£3.44
SO0050	500ml	£6.44
SO0100	1ltr	£8.20
SO0450	4.5ltr	£32.92
SO1250	15ltr	£80.78

Swarfega Original Pump Pot

Rapid hand cleansing jelly for removing oil and grease. Supplied in a handy pump pot for easy use.

SOPP45	450ml	£6.48
---------------	-------	-------

Swarfega Heavy Duty

Advanced gel formula hand cleanser, contains highly refined hydrocarbon solvent which quickly and effectively dissolves oil and grease.

SH0050	500ml	£6.50
SH0450	4.5ltr	£27.98
SH1500	15ltr	£72.29

Swarfega Power

Powerful fast acting and versatile hand cleaner. Contains added conditioner to leave skin soft and supple after use.

SP0045	450ml Pump Pot	£5.83
SP0100	1ltr	£7.63
SP0400	4ltr Pump Top	£22.75

Swarfega Hand Wipes

Large heavy duty wipes for use in the workshop.

SW0125	Tub 150 Wipes	£15.93
---------------	---------------	--------

Swarfega Orange

Advance formulation hand cleaner with polygrains. Natural citrus oil for quick and efficient removal of oil and grease.

SR0045	450ml Pump Pot	£7.26
SR0400	4ltr Pump Top	£22.71

Jizer

Water rinsable degreaser.

J10500	5ltr	£20.31
---------------	------	--------

Janitol Plus

Degreasing detergent. Breaks down and removes dirt, oil and grease. Extremely effective on floors and oil covered surfaces.

JA0500	5ltr	£16.40
---------------	------	--------

Deb Protect

Multi-purpose Pre-work cream.

DP0100	1ltr Cartridge	£15.99
DPD	Dispenser	£11.99

Deb Restore

Skin reconditioning cream.

DR0100	1ltr	£17.99
DRD	Dispenser	£11.99

Deb Protect after Work

Skin reconditioning cream.

DA2500	2.5kg	£16.97
---------------	-------	--------

Contect 'Duck Oil'

Water repelling, releasing and lubricating. Will rapidly displace water leaving surfaces water repellent.

DO0050	500ml	£4.80
DO0500	5ltr	£34.99

Paper Rolls

Multi-purpose paper wipes high consumption areas to remove oil, grease, water and dirt. Ideal for hand wiping.

6 roll pack, 1 ply, 300mtr x 197mm rolls

PR3197	Pack of 6	£26.75
---------------	-----------	--------

Folded Hand Towels

2-ply Z type white hand towels.

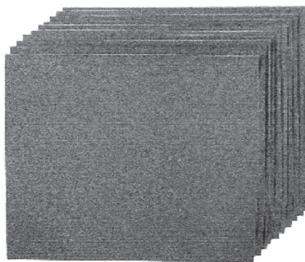
HT0200	Pack of 200	£2.95
HT3000	Case 3000	£39.25
HTD	Dispenser	£22.38

Abrasives

Glass Paper Sheets

All sheets 280 x 230mm

Grit		Price	
		per 25	per 100
00	240	£2.35	£9.10
0	180	£2.35	£9.10
1	150	£2.35	£9.10
1½	120	£2.35	£9.10
F2	100	£2.40	£9.30
M2	80	£2.45	£9.50
S2	60	£2.95	£11.50
2½	40	£2.95	£11.50



Stearate Paper Sheets (Finishing)

All sheets 280 x 230mm

Grit	Price per 25
320	£7.33
240	£7.52
180	£7.69
150	£7.80
120	£8.20

Silicon Carbide Paper (Waterproof) Sheets

All sheets 280 x 230mm

Grit	Price		
	per 25	per 50	per 100
1200	£6.94	£13.53	£25.82
1000	£6.94	£13.53	£25.82
800	£6.94	£13.53	£25.82
600	£6.94	£13.53	£25.82
400	£7.20	£14.04	£26.78
320	£7.20	£14.04	£26.78
240	£7.20	£14.04	£26.78
180	£7.20	£14.04	£26.78
150	£8.02	£15.64	£29.83
120	£8.02	£15.64	£29.83
100	£8.40	£16.38	£31.25
60	£8.40	£16.38	£31.25

Aluminium Oxide Paper Sheets

All sheets 280 x 230mm

Grit	Price		
	per 25	per 50	per 100
240	£6.30	£11.97	£22.93
180	£6.26	£11.89	£22.79
150	£6.26	£11.89	£22.79
120	£6.25	£11.88	£22.75
100	£6.25	£11.88	£22.75
80	£6.99	£13.28	£25.44
60	£8.06	£15.31	£29.34
50	£9.25	£17.58	£33.67
40	£10.47	£19.89	£38.11

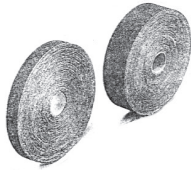
Emery Cloth

All sheets 280 x 230mm

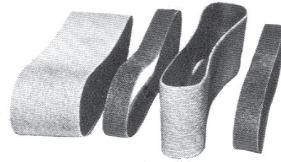
Grit		Price		
		per 25	per 50	per 100
FF	150	£12.31	£24.00	£46.78
1	100	£12.31	£24.00	£46.78
1½	80	£13.42	£26.20	£51.00
2	60	£13.42	£26.20	£51.00

Orbital Sander Sheets

Grit	Price per 10	
	92 x 230	115 x 280
100	£0.98	£1.20
80	£1.08	£1.32
60	£1.24	£1.51
40	£1.56	£1.96



Abrasives



Emery Cloth Rolls

All Rolls 50 Mtr long

Grit	Price per Roll	
	25mm	50mm
FF	£15.17	£26.74
1	£15.35	£27.97
1 ½	£15.50	£28.28
2	£15.95	£29.79
2 ½	£16.42	£31.85

Aluminium Oxide Cloth Rolls

All Rolls 50 Mtr long

Grit	Price per Roll	
	25mm	50mm
120	£18.58	£32.66
80	£19.07	£34.20
60	£20.81	£36.62
40	£22.92	£41.45

Aluminium Oxide Paper Rolls

All Rolls 50 Mtr long

Grit	Price per Roll			
	100mm	115mm	150mm	200mm
240	-	£25.90	-	-
180	-	£25.60	-	-
120	-	£25.20	-	-
100	£23.16	£25.00	£40.72	£53.64
80	£25.62	£28.59	£42.60	£59.45
60	£28.78	£32.25	£50.98	£67.58
40	£36.71	£41.06	£65.04	£86.15

10mtr Mini Aluminium Oxide Paper Rolls

Grit	Price per 115mm Roll
240	£6.60
180	£6.75
120	£6.81
80	£7.50
60	£8.37
40	£10.41

Aluminium Oxide Belts

Non Ferrous Metals, Glass, Frictional Materials, Rubber, Ceramics, Real and Artificial Stone, Wood, Plastics and Metal.

Price per 10 - Available Pro Rata

Size	Grit			
	100	80	60	40
60 x 400mm	£8.74	£8.98	£9.39	£9.94
65 x 410mm	£8.84	£9.08	£9.51	£10.06
75 x 457mm	£11.30	£11.74	£12.16	£13.42
75 x 480mm	£11.63	£12.10	£12.54	£13.86
75 x 533mm	£12.39	£12.92	£13.40	£14.86
75 x 610mm	£13.50	£14.10	£14.65	£16.33
100 x 552mm	£15.50	£15.90	£16.81	£18.75
100 x 560mm	£15.70	£16.11	£17.03	£19.01
100 x 610mm	£16.67	£17.13	£18.13	£20.28
100 x 915mm	£24.07	£24.79	£26.39	£29.83
100 x 1650mm	£40.92	£42.17	£44.99	£47.98
150 x 1090mm	£45.94	£47.26	£49.85	£55.80
150 x 1220mm	£49.91	£51.38	£54.28	£60.95
150 x 1600mm	£56.81	£58.07	£59.20	£70.29
150 x 1680mm	£59.65	£60.97	£62.16	£73.80

Other Sizes Available to Special Order

Dresser Stick

For Cleaning Belts/Discs: **£11.53** each

Abrasives



Discs

Aluminium Oxide - Wood, Plastic, Metal.

Cloth Backed - Priced per 10 - Available Pro Rata

Grit	Diameter									
	125	150	180	200	230	255	305	355	405	460
100	£4.81	£6.94	£9.49	£12.44	£15.66	£19.40	£27.98	£38.02	£49.67	£62.90
80	£5.31	£8.15	£10.51	£13.60	£17.24	£21.31	£30.68	£41.67	£54.50	£69.01
60	£5.83	£8.27	£11.26	£14.74	£18.44	£23.01	£33.17	£45.10	£58.91	£75.93
40	£6.47	£9.33	£12.69	£16.60	£20.98	£25.91	£37.35	£50.81	£66.38	£84.03

E-Weight Paper - Priced per 10 - Available Pro Rata

Grit	Diameter									
	125	150	180	200	230	255	305	355	405	460
100	£1.69	£2.35	£3.27	£3.96	£5.18	£6.42	£10.76	£13.39	£18.21	£23.14
80	£1.84	£2.51	£3.53	£4.31	£5.60	£6.89	£11.20	£14.37	£19.44	£24.76
60	£2.05	£2.81	£3.96	£4.81	£6.13	£7.73	£11.37	£15.95	£21.59	£27.43
40	£2.51	£3.48	£4.82	£5.93	£7.71	£9.63	£13.68	£19.61	£26.11	£33.12

Self Adhesive E Weight Paper - Priced per 10 - Available Pro Rata

Grit	Diameter									
	125	150	180	200	230	255	305	355	405	
100	£2.76	£3.40	£5.17	£6.81	£8.87	£10.46	£13.97	£19.04	£25.80	
80	£2.96	£3.62	£5.40	£7.60	£9.49	£10.90	£16.18	£20.70	£26.40	
60	£3.29	£3.97	£6.05	£7.83	£10.36	£12.30	£19.03	£23.35	£29.87	
40	£4.02	£5.52	£7.57	£9.56	£12.54	£15.39	£21.53	£29.38	£37.70	

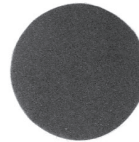
Velcro Backed - Priced per 10 - Available Pro Rata

Grit	Diameter	
	300	355
60	£22.95	£34.33
80	£20.27	£30.40



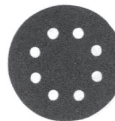
Hook & Loop (Velcro Backed) - Priced per 10 - Available Pro Rata

Grit	Diameter			
	125	250	300	355
60	£6.96	£19.92	£22.95	£34.33
80	£7.86	£19.23	£20.27	£30.40
120	£8.06	£18.32	£16.72	



Pre Punched Hook & Loop - Priced per 10 - Available Pro Rata

Grit	Diameter		
	115	125	150
60	£4.58	£8.01	£12.59
80	£4.46	£7.89	£12.47
120	£4.35	£7.79	£12.37

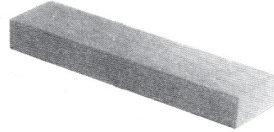


Abrasives

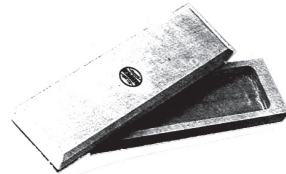
Oilstones

Available in Various Sizes listed below.

Code	Type	Make	Size	Price
821	Combination Square	H Abrasives	8x2x1"	£8.47
1B8	Combination Square	India	8x2x1"	£29.85
1BF	Fine Square	India	8x2x1"	£28.76
1BM	Medium Square	India	8x2x1"	£28.77
1BC	Coarse Square	India	8x2x1"	£28.78
1B6	Combination Square	India	6x2x1"	£26.48
SB4	Combination Square	India	4x1x½"	£13.27
SBF	Fine Square	India	4x1x½"	£12.80
SBM	Medium Square	India	4x1x½"	£12.82
SBC	Coarse Square	India	4x1x½"	£12.84
RBF	Fine Round	India	4x½"	£12.07
RBM	Medium Round	India	4x½"	£12.08
TBF	Fine Triangular	India	4x½"	£9.69
TBM	Medium Triangular	India	4x½"	£9.71



	Price each
Wooden Oilstone Box 8 x 2 x 1	£6.57
Plastic Oilstone Box (Complete with Oilstone)	£8.25



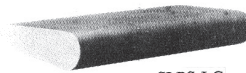
Slipstones

These are used for the sharpening of tools that have curved cutting edges such as gouges etc.

Code	Size	Price each
SLPS-SM	57 x 22 x 5 - 2	£5.53
SLPS-LG	114 x 44 x 13 - 5	£8.70
SLPS-TP	Set of 2 Slipstones (1 of each of the above)	£13.18



SLPS-SM

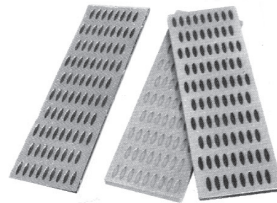


SLPS-LG

Diamond Sharpening Set

Coarse, fine and extra fine sharpeners.

Code	Description	Price
07435	Diamond Set	£11.34



Abrasives

Grinding Wheels

Please state: Aluminium Oxide (General Purpose)
or: Silicon Carbide (Tungsten Carbide-Tool Grinding)
and: Bore

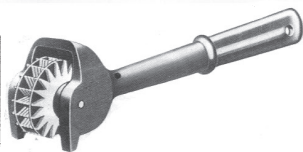
Diameter	Thickness	Price each		
		Coarse	Medium	Fine
150	20	£22.97	£22.86	£23.49
150	25	£25.87	£26.27	£26.90
180	20	£30.25	£30.28	£30.26
180	25	£32.89	£33.02	£33.89
200	20	£33.60	£34.43	£35.30
200	25	£37.95	£39.95	£40.93
250	20	£45.98	£52.93	£48.30
250	25	£53.83	£55.22	£56.58



Grinding Wheel Dressers

For Truing, Cleaning, Shaping and Sharpening.

Dressers			Spare Cutters		
Code	Type	Price	Code	Size	Price
8010-010	No 0	£16.76	8000-010	28mm	£2.78
8010-011	No 1	£21.01	8000-011	38mm	£3.49



Valve Grinding Compound

Good for producing Engine Turned Pattern on metal in conjunction with dowel in drill.

Code	Size	Type	Price
ANG360	500gm tin	Fine	£20.03
ANG362	500gm tin	Coarse	£20.03



Pumice Powder

Price	
per Kg	per 5 Kg
£4.10	£19.48

Steel Wool (Wire Wool)

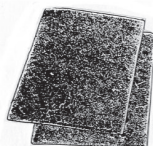
Grade	Price per 400gms
Fine	£3.22
Medium	£3.11
Coarse	£2.98

Naylon

For Cleaning, Finishing and Micro-Deburring of all surfaces. Can be used on finely machined parts to remove minor blemishes without fear of changing the geometry or dimensions.

Hand Pads - Size 229mm x 152mm

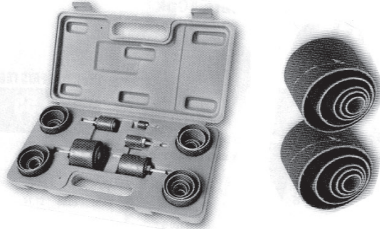
Price		
each	per 10	per 40
£1.37	£11.65	£38.36



Abrasives

Drum Sanding Kit

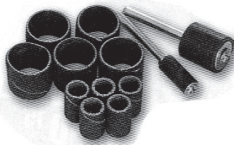
Kit containing 5 rubber sanding drums (13, 19, 25, 38 & 50mm). Supplied with 20 Sanding Belts. 6mm Spindle for Power drills.



Code	Description	Price
DS2604	Drum Sanding Kit	£8.39
DS2605	10 Piece Spare Belt Kit	£2.96

Small Rotary Drum Sander Kit

Kit of five 1/2" x 1/2" drums, five 1/4" x 1/2" drums and 2 drum mandrels.



Code	Description	Price
5275	Drum Sanding Kit	£1.80

Cylinder Sanding Mop

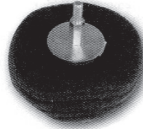
Hardwearing nylon fibre 240 grit mop for sanding and cleaning wood and metal. Use on interior curved and irregular surfaces. 6mm arbor, for use with most power drills.



Code	Description	Price
CSM2189	50mm dia 240 grit	£2.32
CSM2181	75mm dia 240 grit	£2.65

Dome Sanding Mop

Hardwearing nylon fibre mop. For use on wood, metal. Use on flat interior and irregular surfaces. 6mm dia arbor, for use on most power drills.

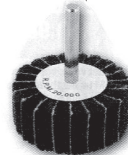


Code	Description	Price
DSM2170	50mm dia 240 grit	£2.36
DSM2163	75mm dia 240 grit	£2.66
DSM2154	100mm dia 240 grit	£3.45

Abrasive Mop Wheels

Aluminium Oxide sheets reinforced with layers of Nylon fibre backing for extra resilience and durability. For cleaning, sanding and burnishing wood and metal.

6mm arbor, for most power drills.



Code	Description	Price
AMW2141	60 x 30mm 80 grit	£2.97

Foam Sanding Block

Can be used wet or dry for sanding almost any type of material, flat or contoured. 70x100x 5mm



Code	Description	Price
FSB2417	Fine & Extra fine	£0.90
FSB5085	Fine & Medium	£0.89
FSB8564	Medium & Coarse	£0.88

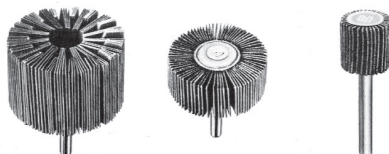
Abrasives

Rotary Flap Wheel Sander

Flap wheels are manufactured from radially assembled segments of resin bonded abrasive cloth securely bonded on plated steel shafts. They are designed for both ferrous and non-ferrous grinding and are highly suitable for flat cylindrical and curved surfaces. For the best results a quantity of grinding grease will improve both wheel life and surface finish.

Aluminium Oxide - Shank Diameter 6mm

Code	Wheel Dia	Grit	Price each
2920	40mm	40	£2.72
2921	40mm	80	£2.80
2922	50mm	40	£3.42
2923	50mm	80	£3.50
2924	60mm	40	£4.16
2925	60mm	80	£4.30
2926	80mm	40	£6.40
2927	80mm	80	£6.60



Mounted Stones

The variety of shapes and sizes will handle most small grinding and finishing jobs. Aluminium oxide, special high quality.

For metals, glass, ceramics, plastics etc.

5 mounted stones with 6mm / ¼" shank.

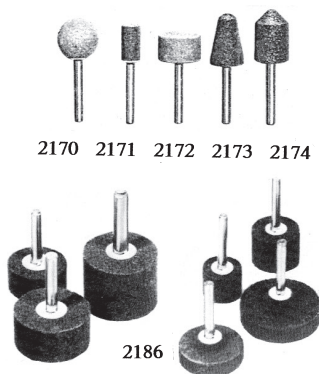
Code	Description	Price
2144	5 Mounted Stones	£6.37



Mounted Stones

Special high quality, aluminium oxide. For grinding contoured surfaces. For metals, glass, ceramics, plastics etc.

Code	Shape	Size	Shank	Price
2170	Round	25mm	6mm	£1.75
2171	Cylindrical	12 x 22mm	6mm	£1.69
2172	Cylindrical	25 x 15mm	6mm	£1.72
2173	Conical	20 x 30mm	6mm	£1.69
2174	Cyl-Conical	20 x 30mm	6mm	£1.85
2186A	Cylindrical	25 x 20mm	6mm	£1.80
2186B	Cylindrical	30 x 25mm	6mm	£1.80
2186C	Cylindrical	40 x 10mm	6mm	£1.65
2186D	Cylindrical	40 x 20mm	8mm	£1.80
2186E	Cylindrical	50 x 25mm	8mm	£2.08
2186F	Cylindrical	50 x 50mm	10mm	£2.48
2186G	Cylindrical	50 x 10mm	10mm	£1.67



Abrasives

Enlarging Mill

Enlarges holes. Max Safe Speed 3,500rpm.



Code	Description	Size	Price
2523	Enlarging Mill	6-24mm	£9.60

Rotary Rasps for Wood

6mm shank. Max Safe Speed 5,000rpm.

Code	Description	Size	Price
2530	Cylindrical	14 x 35mm	£2.90



2531	Ball Ended	13 x 35mm	£2.90
------	------------	-----------	-------



2532	Conical	14-6 x 35mm	£2.90
------	---------	-------------	-------



2533	Ball	16mm	£2.90
------	------	------	-------



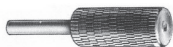
2536	Pear Shaped	15 x 30mm	£2.90
------	-------------	-----------	-------



Rotary Files

6mm shank. Max Safe Speed 5,000rpm

Code	Description	Size	Price
2534	Cylindrical	12 x 30mm	£2.92



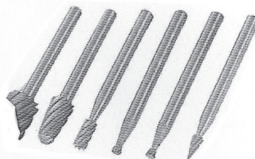
2535	Conical	12 x 30mm	£2.92
------	---------	-----------	-------



HSS Router Cutter Kit

2, 3, 5 & 7x2mm bits with 3.1mm dia mandrels.
Max Speed 28000rpm

Code	Description	Price
2560	HSS Router Cutter Kit	£4.49



Routing Grinding Kit

Includes 3 router bits, 2x5mm grinding stones, 2x20mm grinding discs and 3.1mm mandrels. .
Max Speed 28000rpm

Code	Description	Price
2561	Routing Grinding Kit	£3.45



Silicon Stones Kit

6-12mm with 3.1mm mandrels.
Max Speed 28000rpm

Code	Description	Price
2562	Silicon Stones Kit	£2.60



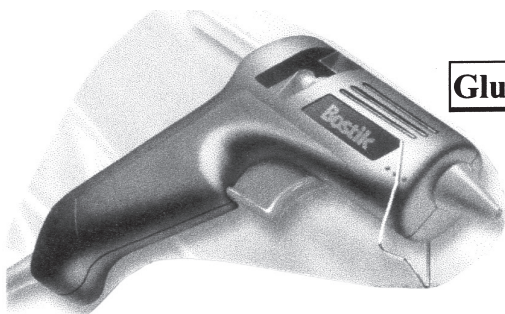
5 Piece Rasp Set

Diameter 6mm shank for wood
Cylindrical, Conical, Round. For metal;
Cylindrical, Conical.

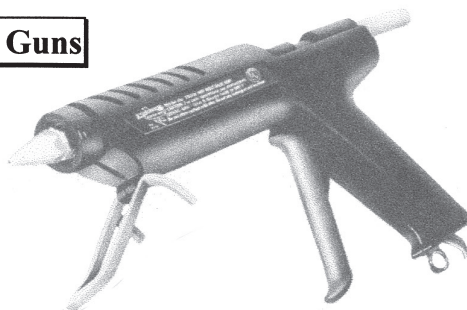
Max Safe Speed 5,000rpm.

Code	Description	Size	Price
2540	5 Piece Rasp	6mm shank	£11.60





Glue Guns



Standard Hot Glue Guns

All the standard glue guns use 11mm glue sticks.

Code	Description	Price
AGT80	Arrow Trigger Feed	£14.41
91297	Bostik Trigger Feed	£13.75

Handy Trigger Glue Gun

Code	Type	Price
AGT20	Arrow Trigger	£8.25

Glue sticks for standard Glue Guns

TR550-TR200-91297

Size / dia 11mm

Type / length All purpose clear 100mm

Pack 8	£1.46
Pack 96	£16.68
Pack 500	£74.96

Glue sticks for Handy Glue Gun

Size / dia 8mm

Type / length All purpose clear 100mm

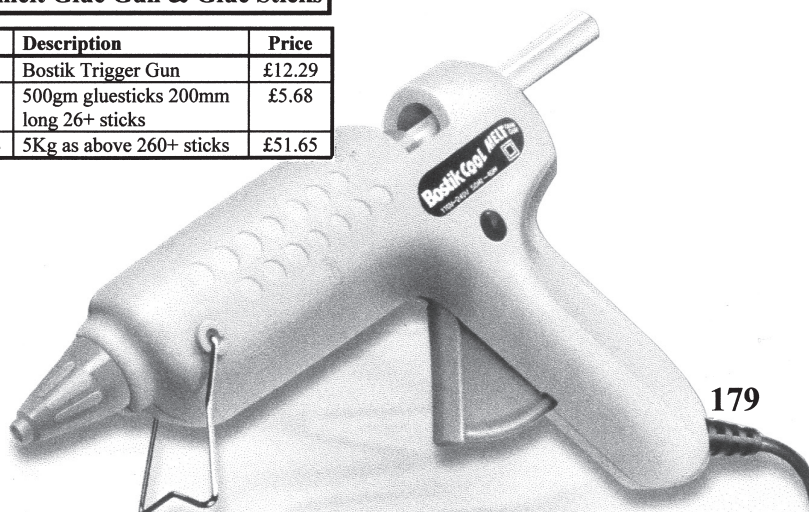
Pack 15	£1.68
Pack 180	£19.26
Pack 500	£46.12

Bostik Cool Melt Glue Gun

Designed to melt sticks at approximately half the temperature of hot Melts, making it an ideal tool for DIY, art and craft.

Coolmelt Glue Gun & Glue Sticks

Code	Description	Price
90501	Bostik Trigger Gun	£12.29
90502	500gm gluesticks 200mm long 26+ sticks	£5.68
91504	5Kg as above 260+ sticks	£51.65



Adhesives

PVA Woodworking

	500ml	1 Ltr	2½ Ltr	5 Ltr
K&M Woodworker	-	£3.72	-	£14.24
ExtraRez Water resistant fast grab Bonds in 10 minutes, handle within 30. Bonds stronger than wood in 2 hours	-	£6.61	-	£23.99
Evo-de Resin W Extra Fast (Green)	£6.36	£10.95	£22.65	£40.13
Evo-de Resin W Weatherproof (Blue)	£6.70	£10.75	£24.17	£45.79



Contact/Impact

	Small	Large	250ml	500ml	1Ltr	2½Ltr	5Ltr
Evostick 528	-	-	-	£12.08	£20.72	£43.49	£67.05
Evostick Impact	£1.92	£3.64	£4.59	£7.96	-		
Time Bond (non-drip)	-	-	£7.30	£13.39	£22.78		

Epoxy Resins / Superglues

	Price
Evostick Precision (2hr)	£5.15
Evostick Rapid (5min)	£5.85
Superglue bottle	£2.30
Superglue 3	£2.44
Superglue 4 gel	£2.48
Loctite Attak 5g bottle	£3.22

Araldite Epoxy	Price
Standard (2x15ml)	£5.35
Industrial Standard (2x100ml)	£29.93
Standard Syringe (24ml)	£6.21
Rapid (2x15ml)	£6.15
Industrial Rapid (2x100ml)	£35.06
Rapid Syringe (24ml)	£7.34



Extramite

(Cascamite)

500gm	£8.31
1.5kg	£13.70
3kg	£25.62

Copydex

50ml	£3.24
125ml	£4.25
500ml	£11.95

Tile Adhesive

750g	£3.34
3.75kg	£7.62

Cork Adhesive

1 litre	£7.16
2½ litre	£14.58

Extraphen

Boatbuilder Glue

Waterproof

670g	£21.27
-------------	--------

Balsa Cement

Large	£1.59 ea	£18.13 doz
--------------	----------	------------

Polystyrene Cement

Medium	£1.71 ea	£19.44 doz
---------------	----------	------------

PVC Adhesive

250ml	£7.59
--------------	-------

Woodworkers Glue Bottle Kit

For use with PVA and resins. Includes wide roller applicators and thin biscuit joint blade. 250ml capacity - £3.97

Fire Cement

1kg	£4.25
2kg	£8.20
4kg	£15.95

Bostik No 1

All purpose clear

Handy	£1.99
Large	£3.39



Adhesives

Multi-purpose PVA

Ideal for gluing paper, card and craft materials. Economical, safe and easy to apply. Washable. Can be mixed with paints and dyes to make a creative art medium.

IV00193	1 Ltr	£4.31
IV00386	5 Ltr	£13.82

Pritt Type Stik

Quick and easy, clean and washable. Safe, solvent free, non-toxic.

HK1033	10g	£0.74
HK1034	20g	£1.33
HK1035	40g	£1.89

UHU All Purpose

A strong multi purpose quick drying crystal clear adhesive that can be used to stick wood, fabric, leather, glass, paper and cardboard.

UH2534	20ml	£1.26
UH2536	33ml	£1.76

Bostik Blue-tack

The original No 1 reusable adhesive. Holds up, holds down.

BKBTHP	Handy-60g	£1.26
BK01010	Economy-120g	£1.80

Bostik Paper Glue

BOSPG20	20ml	£1.65
BOSPG50	50ml	£3.38

3M Photo Mount Adhesive

A strong permanent adhesive for mounting photographs, maps and illustrations.

3M50786	Small	200ml	£7.25
3M50773	Large	400ml	£10.99

Tipp-Ex Non-Permanent Glue Stick

Repositionable adhesive. Turns any piece of paper into a self-adhesive note. Removable and repositionable. 100% solvent free, non-toxic, washable.

TX46104	Medium 20g	£1.75
----------------	------------	-------



Quick Mount Mounting Spray

Quick mount is suited for repeated mounting of light materials such as film, acetate and layout paper. Transparent aerosol will not soak through or wrinkle light materials.

KF01071	400ml	£7.72
----------------	-------	-------

3M Spraymount Adhesive

The standard artwork adhesive. Transparent aerosol adhesive for artwork, past-ups and layouts. Non-staining, secure bond allows initial repositioning and removal if required.

3M50754	Small	200ml	£7.74
3M51839	Large	400ml	£12.99

Gloy

Paste	2oz Squeeze pack	£0.63
	5 oz Squeeze pack	£1.07
	10oz Spreader	£1.62

Tapes & Dispensers

Insulating Tape

Size ¾" x 30mtr		Price	
Code/Colour		each	per 10
INSTBL	Black	£2.10	£18.90
INSTW	White	£2.10	£18.90
INSTR	Red	£2.10	£18.90
INSTBU	Blue	£2.10	£18.90
INSTG	Green	£2.10	£18.90
INSTY	Yellow	£2.10	£18.90
INSTBR	Brown	£2.10	£18.90

Limpet Hazard Tape

Laminated tape designed for marking out dangerous areas. 50mm x 33m.

Code	Colour	Price each
LM11935	Red/White	£10.61
LM11936	Black/Yellow	£10.61

Sellotape Elephant Tape

Tough waterproof.

Code	Size	Price each
SE03883	50mm x 50m	£5.06

Vinyl Tape

Size: 48mm x 50m Clear or Buff £1.42ea

Pritt Pads

Packs of 50 pads £0.80ea £9.22 per 12

Sticky Velcro

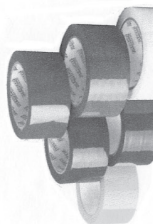
Self adhesive hook and loop fasteners.

Code	Size	Price each
SE37939	24 pads 20 x 20mm	£2.56
SE40724	20mm x 0.45m	£2.75
SE4100	20mm x 6m	£32.30

Tape Dispensers

Tough plastic tape dispenser. Designed to take 33m or 66m tapes up to 25mm wide.

KF11010 £5.07ea



Sellotape

Industrial Clear

Code	Size	each	per 10
SE0851	12mm x 66m	£0.90	£8.37
SE0846	19mm x 66m	£1.11	£10.32
SE0854	24mm x 66m	£1.46	£13.58

PTFE Tape

PA303 £0.45ea

Double Sided Tape

Coated with strong adhesive both sides. Easy tear and easily removable backing paper for effortless use

Code	Size	Price each
SE2280	12mm x 33m	£2.75
SE2281	25mm x 33m	£5.01
SE2294	50mm x 33m	£10.99

Invisible Tape

Invisible on paper, mends tears without trace. You can write on it, type on it, photocopy it or fax it without leaving a ghost mark.

Code	Size	Price each
KF02164	18mm x 33m	£1.17

Masking Tape

A crepe paper tape, ideally suited to paint masking during spraying. Also handy for protecting applications.

Code		each	per 10
MT1850	18mm x 50m	£0.92	£8.74
MT2450	24mm x 50m	£1.12	£10.64
MT4850	48mm x 50m	£2.25	£21.38

Drafting Tape

Code	Size	each	per 10
3M01697	25mm x 50m	£3.95	£38.51

Polypropylene Tape

Coloured tape suitable for coding or joining board and plastic sheets such as Correx.

Code/Colour	Size	each	per 6
MA99707 White	50mmx66m	£1.85	£10.82
MA99708 Yellow	50mmx66m	£1.85	£10.82
MA99709 Blue	50mmx66m	£1.85	£10.82
MA99710 Red	50mmx66m	£1.85	£10.82
MA99711 Green	50mmx66m	£1.85	£10.82



AS 949

(Replacement for ATG 752)

ADHESIVE TRANSFER APPLICATOR IDEAL FOR CORREX AND OTHER MATERIALS AS BELOW

Quicker, more reliable and easier to use system gives you a bond that's equally effective on fabrics and metals, paper and plastics, leather and many other materials besides.

Just press the trigger and the high performance adhesive goes exactly where you want it. No fuss, no waste, no mess, no problem at all.

Whether you need to resist solvents or chemicals, stand up to extremes of heat or cold, you can be sure it will go on working, indoors and out.

AS 949 Starter Pack

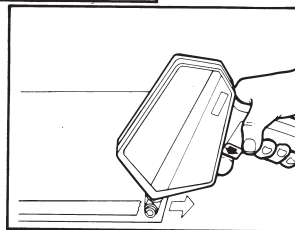
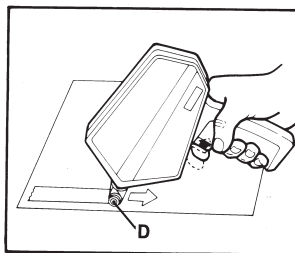
Code	Description	Price per pack
AS 949	Gun and 2 Tapes	£24.38

Replacement Tape for AS 949

Code	Size	Price each
AS 916	19mm x 33m	£6.08

Replacement Tapes for ATG752

Code	Description	Size	Price each
AS 361	Light Duty	12mm x 33m	£4.57
AS 361	Light Duty	19mm x 33m	£6.08



Whatever the job, whatever the material, there's no neater, better way to bond than with the AS 949.

FOAM RUBBER

CARTRIDGE PAPER

WOODGRAIN

FABRIC

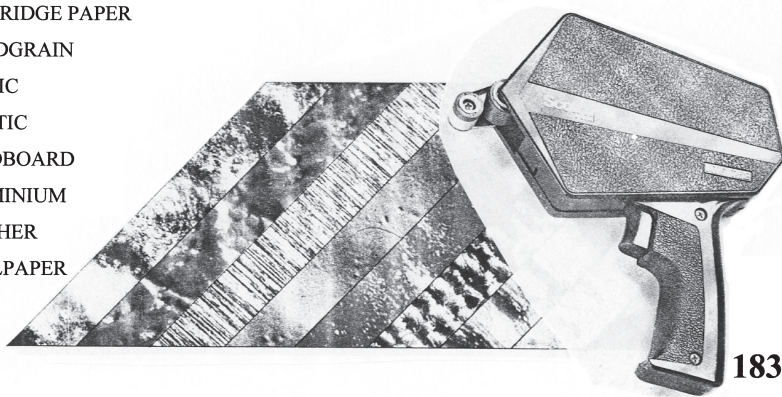
PLASTIC

HARDBOARD

ALUMINIUM

LEATHER

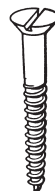
WALLPAPER



Woodscrews

Steel CSK Head Slotted Prices per 200

Length	G2	G3	G4	G5	G6	G7	G8	G10	G12
3/8	£7.27	£5.39	£8.40	-	-	-	-	-	-
1/2	£8.30	-	£1.89	£6.22	£1.27	-	£4.17	£20.56	-
5/8	-	£11.84	£1.23	-	£2.10	-	£2.88	-	-
3/4	-	-	-	£3.80	£1.59	£2.53	£2.03	£4.47	£31.84
1	-	-	£2.00	-	£1.80	£1.84	£2.62	£2.78	-
1¼	-	-	-	-	£2.05	£2.95	£2.86	-	£5.07
1½	-	-	-	-	£2.58	£4.14	£2.91	£3.74	£5.15
1¾	-	-	-	-	£20.67	-	£3.58	-	£7.31
2	-	-	-	-	-	-	£3.97	-	£6.88
2¼	-	-	-	-	-	-	-	-	£32.07
2½	-	-	-	-	£43.82	-	£5.29	£6.52	£9.84
3	-	-	-	-	£65.36	-	£8.88	£8.01	-



Brass CSK Head Slotted Prices per 200

Length	G2	G3	G4	G5	G6	G7	G8	G10	G12
1/4	£5.83	-	-	-	-	-	-	-	-
3/8	£6.51	£6.85	£8.90	-	-	-	-	-	-
1/2	-	£7.60	£6.62	£10.08	£8.68	-	£11.64	-	-
5/8	-	£8.14	£6.99	-	£9.75	-	-	-	-
3/4	-	-	£9.67	-	£11.01	£14.08	£11.68	-	-
1	-	-	£12.23	£15.31	£9.72	£12.39	£12.39	-	-
1¼	-	-	-	-	-	-	£14.14	£15.96	-
1½	-	-	-	-	-	£30.02	£12.14	£18.33	£37.62
1¾	-	-	-	-	-	-	£31.45	£31.51	-
2	-	-	-	-	-	-	£23.24	-	-

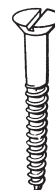


Stainless CSK Head Slotted Prices per 200

Length	G6	G8	G10	G12
3/4	£9.24	£13.35	-	-
1	£11.53	£16.08	£16.10	-
1¼	-	£20.11	£25.05	-
1½	-	£23.00	£29.76	£37.09
2	-	£30.24	£37.11	£47.25

Approx gauge equivalent sizes for all woodscrews

G2	1.8mm	G7	3.2mm
G3	2.3mm	G8	3.8mm
G4	2.5mm	G10	4.6mm
G5	2.6mm	G12	5.2mm
G6	2.7mm		



Steel RD Head Slotted Prices per 200

Length	G2	G3	G4	G6	G8	G10	G12
3/8	£3.23	£3.93	£4.20	-	-	-	-
1/2	-	-	£2.25	£2.50	-	-	-
5/8	-	-	£1.77	£2.77	£2.30	-	-
3/4	-	-	£2.03	£1.82	£3.10	£4.84	-
1	-	-	£2.10	£2.22	£2.71	£4.27	£16.35
1¼	-	-	-	£3.83	£3.26	£4.46	£22.86
1½	-	-	-	£5.93	£3.85	£4.95	£12.54
1¾	-	-	-	-	£5.63	£9.36	-
2	-	-	-	£9.03	£5.18	£9.25	£14.13
2½	-	-	-	-	-	£15.55	£28.93



Woodscrews

Brass Round Head Slotted Prices per 200

Length	G2	G3	G4	G6	G8	G10
3/8	£5.54	£7.51	£7.08	-	-	-
1/2	£5.74	£6.99	£6.41	-	-	-
5/8	-	-	£8.65	£13.94	-	-
3/4	-	-	£8.90	£10.43	-	-
1	-	-	£14.10	£6.92	£9.83	£24.28
1.1/4	-	-	-	£14.89	£17.98	-
1.1/2	-	-	-	£18.48	-	-



Japanned Round Head Slotted Prices per 200

Length	G6	G8	G10	G12
1/2	-	£5.39	-	-
5/8	£5.98	£5.00	-	-
3/4	-	£6.71	-	-
1	£4.83	£5.87	£9.27	-
1.1/4	-	£7.08	£9.65	-
1.1/2	-	-	-	£27.16
1.3/4	-	-	£20.27	£24.20
2	-	£11.22	£20.06	£30.09



Steel CSK Head Supadrive (Case Hardened) Prices per 200

Length	G4	G6	G8	G10	G12
1/2	£1.78	£3.41	£4.39	-	-
5/8	£2.11	£3.68	£5.09	-	-
3/4	£3.11	£2.47	£3.27	£7.67	-
1	£3.46	£2.93	£3.67	£4.70	£8.07
1.1/4	-	£3.51	£4.30	£5.87	£8.57
1.1/2	-	£4.25	£4.95	£6.43	£10.78
1.3/4	-	£11.82	£6.03	£7.34	£12.55
2	-	£8.65	£6.86	£7.93	£11.77
2.1/4	-	-	£17.37	£17.53	£18.96
2.1/2	-	-	£9.09	£9.97	£15.96
3	-	-	£13.66	£12.42	£17.37



Steel Round Head Supadrive (Case Hardened) Prices per 200

Length	G4	G6	G8	G10	G12
1/2	£1.79	£3.42	£4.40	-	-
5/8	£2.09	£3.68	£5.05	-	-
3/4	£3.13	£2.47	£3.27	£7.67	-
1	£3.45	£2.93	£3.67	£4.70	£16.21
1.1/4	-	£3.51	£4.30	£6.45	£16.20
1.1/2	-	£4.26	£4.95	£6.43	£12.73
1.3/4	-	-	£4.81	£7.34	£13.36
2	-	-	£6.86	£9.17	£14.01



Slotted Machine Screws

Stocks of slotted screws are currently being discontinued by the manufacturer. Please accept Pozidrive as stocks are replaced.

Metric Steel Slotted Screws Prices per 100

Please Specify: CSK or PAN

Dia	Length									
	6	8	10	12	16	20	25	30	40	50
2	£2.63	£2.57	£2.60	£2.55	-	-	-	-	-	-
2.5	£2.74	£2.39	£1.89	£1.95	£2.26	-	-	-	-	-
3	£2.46	£1.47	£1.44	£1.53	£1.89	£2.11	£2.86	-	-	-
4	£2.84	£1.96	£2.11	£2.38	£2.66	£2.86	£3.23	£5.40	£7.02	£8.77
5	-	£3.00	£2.84	£3.02	£3.24	£3.45	£3.51	£5.50	£7.66	£8.32
6	-	-	£4.44	£4.61	£4.86	£5.22	£5.84	£6.24	£7.69	£9.99
8	-	-	-	-	£8.24	£9.06	£10.27	£10.81	£12.43	£15.65
10	-	-	-	-	-	£15.25	£17.91	-	-	£23.78



BA Steel Slotted Screws Prices per 100

Please specify: CSK or PAN

Dia	Length						
	1/4	3/8	1/2	5/8	3/4	1	1½
6	£2.73	£1.65	£1.76	£1.83	£2.26	-	-
4	£3.26	£2.10	£2.22	£2.37	£2.81	£2.98	£5.50
2	£3.62	£2.97	£3.16	£4.71	£3.58	£3.67	£7.00

WSL



BSW Steel Slotted Screws Prices per 100

CSK only

Dia	Length					
	1/2	3/4	1	1¼	1½	2
3/16	£4.56	£5.30	£6.11	£10.50	£11.27	£12.82
1/4	£7.20	£8.59	£9.64	£11.51	£12.23	£14.65
5/16	-	£14.81	£16.92	£20.26	£21.48	£25.71
3/8	-	£24.90	£27.62	£32.27	£34.97	£42.38
1/2	-	-	£56.20	£58.12	£65.36	£74.69



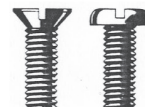
Metric Brass Slotted Screws Prices per 100

Please Specify: CSK or PAN

Dia	Length						
	6	8	10	12	16	20	25
2	£4.35	£4.35	-	-	-	-	-
2.5	£5.28	£4.26	£5.07	-	-	-	-
3	£5.28	£4.68	£5.37	£5.80	£6.81	-	-
4	-	£6.94	£7.50	£8.12	£9.06	£10.24	£10.68

Price per 100

Nuts	2mm	£4.09	2.5mm	£4.84	3mm	£4.46	4mm	£5.38
Washers	2mm	£1.12	2.5mm	£1.29	3mm	£1.29	4mm	£1.77



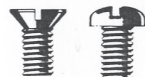
BA Brass Slotted Screws Prices per 100

Please Specify: CSK or PAN

Dia	Length					
	1/4	3/8	1/2	3/4	1	1½
6	£5.11	£3.99	£5.80	-	-	-
4	£5.69	£5.50	£6.20	£6.20	£7.76	£13.38
2	-	£8.81	£10.58	£13.09	£15.27	£20.18

Price per 100

Nuts	2BA	£5.96	4BA	£5.38	6BA	£5.01
Washers	2BA	£1.57	4BA	£1.45	6BA	£1.32





Screws / Nuts / Washers / Studding



Nuts Steel Hexagon Head

Metric

Dia	2mm	2.5mm	3mm	4mm	5mm
Per 100	£1.17	£2.18	£0.95	£0.90	£0.98
Dia	6mm	8mm	10mm	12mm	16mm
Per 100	£1.15	£1.48	£3.19	£4.34	£6.76

BA

Dia	0BA	1BA	2BA	3BA	4BA
Per 100	£4.78	£4.71	£2.80	£2.98	£2.46
Dia	5BA	6BA	8BA		
Per 100	£2.64	£2.50	£3.70		



Nuts Steel Dome Head

Dia	4mm	5mm	6mm	8mm	10mm
Per 100	£3.68	£3.96	£4.40	£8.39	£16.59

Nuts Steel Nylock Hex Head

Dia	4mm	5mm	6mm	8mm	10mm
Per 100	£1.10	£1.35	£1.73	£4.08	£8.19

Washers Bright Steel

Metric

Dia	2mm	2.5mm	3mm	4mm	5mm
Per 1000	£4.44	£3.30	£3.20	£3.34	£4.15
Dia	6mm	8mm	10mm	12mm	16mm
Per 100	£0.75	£1.55	£2.05	£2.34	£4.54

BA

Dia	0BA	1BA	2BA	3BA
Per 1000	£7.46	£6.62	£4.81	£4.36
Dia	4BA	6BA	8BA	
Per 1000	£3.92	£3.45	£3.60	

Metric Repair

Size	M5 x 20mm	M5 x 25mm	M6 x 20mm
Per 100	£2.00	£3.27	£2.15
Size	M6 x 25mm	M6 x 38mm	M6 x 50mm
Per 100	£3.40	£7.42	£12.28
Size	M8 x 25mm	M8 x 38mm	M8 x 50mm
Per 100	£3.31	£9.26	£15.38
Size	M10 x 25mm	M10 x 38mm	M10 x 50mm
Per 100	£3.78	£9.26	£12.56

Screwed Rod (Studding)

			Dia		
Steel	3mm	4mm	5mm	6mm	8mm
Per Mtr	£3.40	£2.05	£1.31	£0.88	£1.18
	10mm	12mm	16mm		
Per Mtr	£1.33	£1.85	£3.03		
Nylon	3mm	4mm	5mm	6mm	8mm
Per Mtr	£3.66	£3.86	£4.12	£4.46	£5.12

Self Tapping Screws Price per 100

Please specify: CSK or PAN

This item is supplied in either pointed or flat ends.

If you require a particular type please specify.

		Gauge			
Length	4	6	8	10	12
3/8	£1.74	£2.15	£2.95	-	-
1/2	£1.94	£2.23	£3.16	£4.75	-
5/8	£2.32	£2.63	£3.30	-	-
3/4	£2.50	£2.76	£3.30	£4.56	£6.94
1	£3.12	£3.79	£3.95	£6.07	£7.85
1.1/4	-	-	£4.86	£6.20	£9.45
1.1/2	-	-	£5.37	£7.27	£7.41

Hexagon HT Sets Price per 100

Please specify BSW or BSF

		Length			
Dia	3/4	1	1.1/2	2	
1/4	£11.26	£12.55	£14.08	-	
5/16	£14.96	£15.76	£19.45	£23.35	
3/8	-	£22.90	£27.45	£33.87	
1/2	-	£44.32	£48.99	£60.59	



Hexagon Socket Set Screws Price per 10

Please specify CONE or DOG POINT

Please accept combination point when stocks of Cone and Dog are exhausted.

		Dia			
Length	3mm	4mm	5mm	6mm	8mm
5mm	£1.00	£0.97	-	-	-
6mm	£1.11	£1.03	-	-	-
8mm	£1.29	£1.22	£0.81	£1.38	-
10mm	£1.29	£1.00	£0.88	£0.90	£1.54
12mm	-	£1.66	£0.97	£0.91	£1.66
16mm	-	£2.73	£1.63	£1.98	£1.85
20mm	-	£1.85	£1.93	£1.43	£2.19
A/F Key	1.5	2	2.5	3	4
		Dia			
Length	10mm	12mm			
10mm	£1.86				
12mm	£4.41	£3.50			
16mm	£2.14	-			
20mm	£2.91	£3.90			
A/F Key	5	6			



CONE

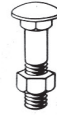
DOG



Machine Screws

Black Cup Square Hex Nuts & Bolts Prices per 100

Dia	Length								
	25	30	40	45	50	65	75	80	100
6	£9.83	£10.40	£11.54	£12.64	£14.28	£15.38	£20.05	£20.90	£22.72
8	£14.95	£15.81	£17.50	£18.36	£19.20	£21.75	£23.45	£27.34	£38.89
10	-	£26.74	£29.16	£30.38	£31.60	£35.84	£38.28	£43.75	£49.82
12	-	-	£43.75	-	£48.61	£55.90	£60.71	£63.18	£75.84



Hex Head High Tensile Metric Screws Prices per 100

Dia	Length								
	10	12	16	20	25	30	35	40	50
5	£4.33	£4.11	£4.31	£4.98	£5.33	£6.81	£7.75	-	-
6	-	£3.94	£3.70	£4.11	£5.07	£5.44	£5.53	£6.21	£10.06
8	-	-	£5.75	£6.18	£6.59	£6.96	£8.68	£9.32	£12.02
10	-	-	-	£11.41	£12.14	£12.86	£14.05	£14.27	£17.35
12	-	-	-	-	£19.20	£19.51	£20.23	£21.60	£24.83



Hexagon Socket Cap Head Screws Prices per 100

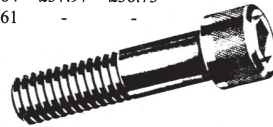
Available: METRIC - BA - BSF - BSW

Dia	Length										
	6mm	8mm	10mm	12mm	16mm	20mm	25mm	30mm	35mm	40mm	50mm
3	£13.72	£12.45	£9.46	£9.80	£10.26	£12.80	£14.73	£16.55	£21.07	-	-
4	£13.55	£10.63	£9.17	£9.01	£9.46	£9.91	£11.18	£13.01	£14.19	£16.26	£22.50
5	£11.91	£12.10	£9.93	£9.91	£9.48	£9.92	£11.38	£12.18	£13.10	£14.94	£20.46
6	-	£13.28	£10.63	£9.92	£10.08	£10.63	£11.45	£12.80	£15.01	£15.92	£20.02
8	-	-	£29.46	£19.82	£15.83	£17.10	£17.10	£18.18	£22.00	£24.20	£27.65
10	-	-	£57.50	£38.02	£27.10	£26.58	£28.21	£29.30	£31.66	£35.29	£42.78
12	-	-	-	£80.09	£77.34	£48.23	£46.40	£46.40	£50.95	£52.78	£62.77

BA	3/16	1/4	5/16	3/8	1/2	5/8	3/4	1	1 1/4	1 1/2
8	£37.68	£33.65	£33.65	£34.05	£43.81	£43.81	£50.80	£35.77	-	-
6	£34.11	-	£33.14	£23.65	£23.65	£23.65	£33.67	£39.11	-	-
4	£33.13	£32.72	£32.72	£19.82	£19.82	£21.45	£23.40	£33.39	£36.27	-
2	-	£31.84	£31.32	-	£18.48	£26.25	£11.84	£31.84	£37.97	£38.73
0	-	-	-	-	£28.46	-	£37.97	£41.61	-	-

BSW

/BSF	1/2	5/8	3/4	1	1 1/4	1 1/2	2
3/16	£22.35	£28.71	£23.23	£25.08	£29.38	£36.67	£56.41
1/4	£21.34	£22.62	£23.78	£26.23	£29.89	£39.63	£44.97
5/16	£35.58	£47.82	£36.67	£40.30	£41.61	£48.87	£69.16
3/8	£94.38	-	£50.70	£53.05	£61.87	£64.75	£95.18
1/2	-	-	-	£139.09	£149.48	£159.90	£185.90



Wing Nuts (Steel) Prices per 100

METRIC

Dia	3mm	4mm	5mm	6mm	8mm	10mm
	£3.81	£3.98	£4.17	£4.36	£5.96	£8.73

IMPERIAL (BSW)

Dia	3/16	1/4	5/16	3/8
	£6.81	£8.05	£12.50	£14.60

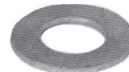


Nylon Hex Nuts

Dia	3mm	4mm	5mm	6mm
Per 100	£4.20	£3.48	£3.46	£3.54

Nylon Washers

Dia	3mm	4mm	5mm	6mm
Per 100	£1.20	£1.30	£1.80	£2.60



Fixtures & Fastenings Packs

Fibre Washer Pack

Code	Contents	Price
FFP01	110 pieces	£2.62

Mini pack of assorted red fibre washers. From 10mm with 3mm centre to 30mm with 16mm centres.



Hexagon Nuts Pack

Code	Contents	Price
FFP05	1000 pieces	£8.65

Mini pack of corrosion-resistant zinc-plated hexagon nuts. Assorted sizes M3-M12.



Cap Screws & Nuts Pack

Code	Contents	Price
FFP09	75 pieces	£2.33

Mini pack of zinc-plated metric cap screws and nuts. Assorted sizes between M5x20 and M8x30mm



Steel Washer Pack

Code	Contents	Price
FFP02	210 pieces	£2.62

Mini pack of steel washers. Pack contains flat and spring washers. Assorted sizes M5-M10.



CSK Machine Screw & Nuts Pack

Code	Contents	Price
FFP06	105 pieces	£2.36

Mini pack of zinc-plated slotted CSK machine screws and nuts. Assorted sizes between M5x12 and M6x 25mm.



Pan Machine Screw & Nuts Pack

Code	Contents	Price
FFP10	105 pieces	£2.35

Mini pack of zinc-plated slotted Pan machine screws and nuts. Assorted sizes between M5x12 and M6x25mm.



Rubber Grommets Pack

Code	Contents	Price
FFP03	35 pieces	£2.28

Mini pack of rubber grommets. Assorted sizes.



Flange Nuts Pack

Code	Contents	Price
FFP07	78 pieces	£2.39

Mini pack of zinc-plated flange nuts. Assorted sizes M5- M10



Wing Nuts Pack

Code	Contents	Price
FFP12	40 pieces	£2.30

Mini pack of zinc-plated wing nuts. Assorted sizes M4-M12



Rubber Washers Pack

Code	Contents	Price
FFP04	120 pieces	£2.45

Mini pack of rubber washers. Assorted sizes from 2.6x5.8x0.8mm to 14.4x22x2mm



Lock Nuts Pack

Code	Contents	Price
FFP08	108 pieces	£2.44

Mini pack of zinc-plated nylon lock nuts. Assorted sizes M4-M12.



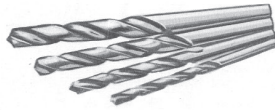
Masonry Nails

Code	Contents	Price
FFP13	200 pieces	£2.25

Mini pack of round shank hardened steel zinc-plated masonry nails. Assorted sizes 20 to 40mm.



Drills



Straight Shank Jobber (High Speed Steel)

Metric - Priced each

Size	Price	Size	Price	Size	Price	Size	Price	Size	Price	Size	Price
0.5	£0.91	3.0	£0.44	5.1	£0.70	7.2	£1.22	9.3	£2.03	11.4	£4.85
1.0	£0.63	3.1	£0.44	5.2	£0.71	7.3	£1.25	9.4	£2.08	11.5	£3.29
1.1	£0.58	3.2	£0.45	5.3	£0.73	7.4	£1.29	9.5	£2.13	11.6	£5.02
1.2	£0.54	3.3	£0.45	5.4	£0.76	7.5	£1.32	9.6	£2.18	11.7	£5.15
1.3	£0.52	3.4	£0.46	5.5	£0.77	7.6	£1.36	9.7	£2.24	11.8	£5.23
1.4	£0.50	3.5	£0.48	5.6	£0.81	7.7	£1.39	9.8	£2.28	11.9	£5.37
1.5	£0.48	3.6	£0.49	5.7	£0.82	7.8	£1.41	9.9	£2.33	12.0	£3.64
1.6	£0.46	3.7	£0.50	5.8	£0.85	7.9	£1.45	10.0	£2.39	12.1	£5.58
1.7	£0.45	3.8	£0.50	5.9	£0.87	8.0	£1.49	10.1	£3.66	12.2	£5.70
1.8	£0.44	3.9	£0.52	6.0	£0.89	8.1	£1.53	10.2	£3.75	12.3	£5.79
1.9	£0.43	4.0	£0.53	6.1	£0.92	8.2	£1.57	10.3	£3.83	12.4	£5.91
2.0	£0.42	4.1	£0.54	6.2	£0.94	8.3	£1.61	10.4	£3.92	12.5	£4.03
2.1	£0.42	4.2	£0.55	6.3	£0.96	8.4	£1.64	10.5	£2.68	12.6	£6.17
2.2	£0.41	4.3	£0.57	6.4	£0.98	8.5	£1.68	10.6	£4.09	12.7	£6.25
2.3	£0.41	4.4	£0.58	6.5	£1.00	8.6	£1.73	10.7	£4.17	12.8	£6.38
2.4	£0.41	4.5	£0.60	6.6	£1.05	8.7	£1.77	10.8	£4.26	12.9	£6.51
2.5	£0.41	4.6	£0.62	6.7	£1.09	8.8	£1.81	10.9	£4.34	13.0	£4.43
2.6	£0.42	4.7	£0.64	6.8	£1.10	8.9	£1.86	11.0	£2.96		
2.7	£0.42	4.8	£0.65	6.9	£1.13	9.0	£1.89	11.1	£4.56		
2.8	£0.43	4.9	£0.67	7.0	£1.16	9.1	£1.94	11.2	£4.63		
2.9	£0.43	5.0	£0.68	7.1	£1.19	9.2	£2.00	11.3	£4.72		

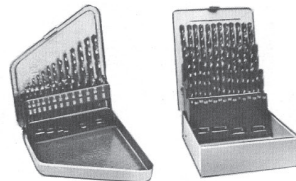
Straight Shank Jobbers

Imperial - Priced each

Size	Price	Size	Price	Size	Price	Size	Price
1/64	£1.00	9/64	£0.48	17/64	£1.08	25/64	£2.33
1/32	£0.73	5/32	£0.52	9/32	£1.20	13/32	£2.57
3/64	£0.60	11/64	£0.58	19/64	£1.33	27/64	£2.80
1/16	£0.46	3/16	£0.64	5/16	£1.48	7/16	£3.03
5/64	£0.43	13/64	£0.70	21/64	£1.62	29/64	£3.30
3/32	£0.41	7/32	£0.80	11/32	£1.79	15/32	£3.56
7/64	£0.43	15/64	£0.87	23/64	£1.97	31/64	£3.87
1/8	£0.43	1/4	£0.97	3/8	£2.14	1/2	£4.17

Straight Shank Jobbers - Drill Sets

Set No	Contents	Price per Set
13	1/16"-1/4" by 64ths	£10.64
15	1/16"-1/2" by 32nds	£29.17
21	1/16"-3/8" by 64ths	£23.64
29	1/16"-1/2" by 64ths	£51.03
M50	1mm-5.9mm by 0.1mm	£33.76
M13	1.5mm-6.5mm by 0.5mm	£10.63
M41	6.0mm-10.0mm by 0.1mm	£72.72
M19	1.0mm-10.0mm by 0.5mm	£25.09
M25	1.0mm-13.0mm by 0.5mm	£45.08



Drills

Morse Taper Shank (High Speed Steel)

METRIC

No 1 MT		No 2 MT		No 2 MT		No 3 MT		No 3 MT	
mm	Price	mm	Price	mm	Price	mm	Price	mm	Price
13.5	£9.64	14.5	£10.65	19.0	£16.41	23.5	£24.30	28.0	£34.31
14.0	£10.09	15.0	£11.21	19.5	£17.24	24.0	£25.21	28.5	£35.60
		15.5	£11.77	20.0	£17.98	24.5	£26.34	29.0	£37.00
		16.0	£12.42	20.5	£18.81	25.0	£27.35	29.5	£38.29
		16.5	£12.98	21.0	£19.65	25.5	£28.45	30.0	£39.59
		17.0	£13.61	21.5	£20.58	26.0	£29.48	30.5	£61.65
		17.5	£14.27	22.0	£21.41	26.5	£30.68	31.0	£42.66
		18.0	£15.02	22.5	£22.33	27.0	£31.90	31.5	£66.30
		18.5	£15.76	23.0	£23.27	27.5	£33.10		



Morse Taper Shank (High Speed Steel)

IMPERIAL

No 2 MT		No 3 MT	
Inches	Price	Inches	Price
9/16	£10.47	15/16	£24.85
19/32	£11.31	31/32	£26.52
5/8	£12.23	1	£28.18
21/32	£13.25	1.1/32	£29.93
11/16	£14.27	1.1/16	£31.91
23/32	£15.40	1.3/32	£33.76
3/4	£16.50	1.1/8	£35.80
25/32	£17.70	1.5/32	£37.91
13/16	£19.10	1.3/16	£40.05
27/32	£20.40	1.7/32	£42.46
7/8	£21.78	1.1/4	£44.88
29/32	£23.36		



Drifts

MT	Price
0	£4.53
1 & 2	£4.94
3 & 4	£6.46
4 & 5	£8.24



Blacksmiths Drills (1/2" Straight Shank)

METRIC		IMPERIAL	
mm	Price	Inches	Price
13.0	£9.91	1/2	£9.64
14.0	£11.03	9/16	£11.39
15.0	£12.23	5/8	£13.35
16.0	£13.43	11/16	£15.58
17.0	£14.83	3/4	£17.98
18.0	£17.18	13/16	£20.76
19.0	£17.89	7/8	£23.73
20.0	£19.55	15/16	£27.07
21.0	£21.41	1	£30.68
22.0	£23.27	1.1/8	£39.03
24.0	£27.44	1.1/4	£48.67
25.0	£30.53	1.3/8	£60.27
		1.1/2	£73.72



Centre Drills

Code	Body	Pilot	Price
BS1	1/8	3/64	£1.36
BS2	3/16	1/16	£1.59
BS3	1/4	3/32	£1.93
BS4	5/16	1/8	£2.46
BS5	7/16	3/16	£4.21
BS6	5/8	1/4	£13.87
BS7	3/4	5/16	£28.08



Drills

Rotary / Impact Masonry Drills

Tungsten Carbide Tipped			
Code	Drilling Diameter	Length (mm)	Price each
6	4.0	75	£1.93
8	4.5	85	£1.94
8M	4.5	150	£2.40
8A	5.0	85	£1.94
10	5.5	85	£2.10
10M	5.5	150	£2.40
10A	6.0	100	£2.10
10AM	6.0	150	£2.40
12	6.5	100	£2.23
12M	6.5	150	£2.52
14	7.0	100	£2.42
14M	7.0	150	£2.86
16	8.0	120	£2.67
16M	8.0	200	£3.34
16L	8.0	300	£4.29
18	9.0	120	£2.88
20	10.0	120	£3.14
20M	10.0	200	£3.91
20L	10.0	300	£5.26



Tile and Glass Drills

Tungsten Carbide Tipped		
Code	Drilling Diameter	Price each
01	3.0	£3.26
02	3.5	£3.29
03	4.0	£3.32
04	4.5	£3.35
05	5.0	£3.45
06	6.0	£3.86
07	7.0	£4.26
08	8.0	£4.70
09	9.0	£5.41
10	10.0	£6.49
12	12.0	£7.71
13	13.0	£8.42
50	1/8	£3.26
51	3/16	£3.47
52	1/4	£3.86
53	5/16	£4.70
54	3/8	£5.71
55	1/2	£7.98

WSL



Adjustable Tank and Washer Cutters

Tank Cutters

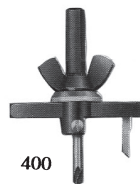
Code	Description	Capacity	Price
109	Bit Stock Shank	4½	£10.84
109C	Straight Shank	4½	£10.85
201	Bit Stock Shank	4	£9.04
201C	Straight Shank	4	£8.36
400	HSS Cutter	4½	£21.44

Washer Cutter

Code	Description	Capacity	Price
108	Bit Stock Shank	12	£21.52



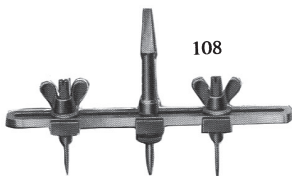
109C/201C



400



109/201



108

Hand Drills / Brace

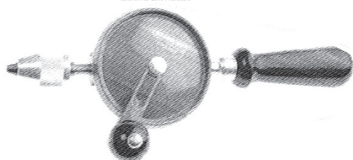
Footprint 160

Hand drill with double pinion wheels for strength and large main gear for smooth firm action. 8mm Keyless Chuck.

Length 265mm **Drill Capacity** max. 8mm
Code 160 **Price** £21.54



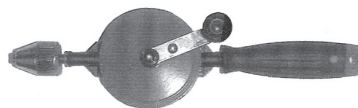
Stanley 103/105



Precision die-cast aluminium gear wheel, with either single or double pinion for smooth operation. Strong die-cast aluminium body with black epoxy coating and chrome finish. 3 jaw chuck. Handles are made from same tough polypropylene as chisel handles.

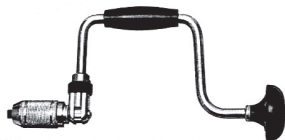
Length 315mm **Drill Capacity** max. 8mm
Code 1-03-103 Double Pinion **Price** £28.88
1-03-105 Single Pinion **Price** £14.25

Hand Drill



Double Pinion drill with an 8mm capacity.
Length 290mm **Drill Capacity** max. 8mm
Code 3352DP **Price** £12.95

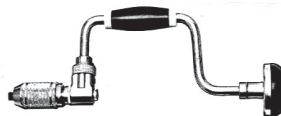
Footprint 171



Top quality 12 point ratchet brace. 4 piece jaws will grip either twist drills or auger bits up to 13mm diameter. Polypropylene handle.

Sweep 250mm
Code 171 **Price** £36.04

Stanley 5044 Bit Brace



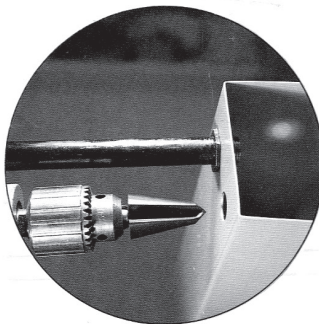
Steel 12 point ratchet working in either direction. A square recess in the chuck base will hold taper shank auger bits. Universal jaws will grip twist drills up to 13mm. Steel frame chrome plated for long life. The head spins smoothly on ball bearings. Head dome and handle are in the same tough polypropylene as used for chisel handles.

Sweep 250mm
Code 1-02-715 **Price** £46.70

Drills

Conecut

Sheet & Tube Drills			
Code	Shank	Range	Price
0	1/4"	3mm-14mm	£9.39
1	3/8"	6mm-20mm	£14.32
1A	3/8"	8mm-20mm	£13.55
2	3/8"	16mm-30.5mm	£22.33



Countersinks

High Carbon Steel. For wood and soft metal.
Max safe speed 5.000rpm.

Code	Dia	Price
2574000	6mm	£2.10
2575000	10mm	£2.25
2576000	12mm	£2.43
2577000	16mm	£2.74
2578000	19mm	£3.02



Set of 5 Countersinks

High Carbon Steel.
6mm, 10mm, 12mm, 16mm,
19mm Diameters

Code	Price per set
2504	£9.40

HSS Countersinks

High Speed Steel cutting edges .

Code	Dia	Price
2503	10mm	£4.40
2505	12mm	£5.90
2506	16mm	£7.40
250356	Set 3	£12.90

PS8 8pc Plug Cutter Set

8 Piece Plug Cutter Set. This Plug Cutter set
come in a polished wood presentation case.

- 3/8" Shank
- Standard Cutters: 6, 10, 13, 16mm
- Chamfered Cutters: 13, 16, 19, 22mm

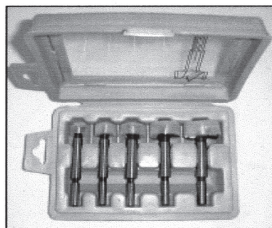
SPECIAL PRICE £16.50



Forstner Bit Sets

Precision made from carbon tool steel.

CHT365	5 Piece Set	£12.90
Sizes: 15, 20, 25, 30, 35mm.		
50500016	16 Piece Set	£26.40
Sizes: 1/4" - 2.1/8" (6mm - 54mm)		
244972	14 Piece Set	£28.83
Sizes: 10 - 50mm (Loose)		



Countersink Drills

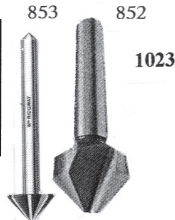
Hinge Drills / Boring Bits

Code	Diameter	Price
52.260HSS	26mm	£5.03
52.350HSS	35mm	£5.75
52.300TCT	30mm	£8.88
52.350TCT	35mm	£9.40



HSS Rosehead CSK Bits

Code	Size	Price
R853	1/2x1/4"	£7.97
R853	5/8x1/4"	£10.37
R852	1/2x1/4"	£7.83
1023	1/2x1/4"	£7.99



Rosehead CSK Bits (with Brace Tangs)

Code	Size	Price
1026A	3/8"	£3.39

Hand Countersinker	
Code	Price
1025	£3.14



Wood Countersinks

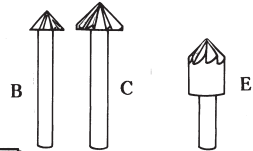
Code	Diameter	CSK	Price
54.030	3mm	16mm	£4.90
54.040	4mm	16mm	£5.01
54.050	5mm	16mm	£5.12
54.060	6mm	16mm	£5.23
54.100	Set of 4		£16.20
Supplied in single plastic tube			



CS Rosehead

Carbon steel for woodwork.

Code	Size	Price
1022B	1/2"x 90	£3.53
1022C	5/8"x 90	£4.07
1022E	1/2"x 90 Chubby	£3.10



HSS Drillsaws

Drill, ream, file, rout and cut wood, plastic and aluminium with these clog free cutting 2-stage bits. Use the drill part of the bit to drill the starting hole, then use the milled shaft with speciality designed teeth to cut the material. Titanium-coated high speed steel.



Code	Size	Price
2510	3mm	£2.95
2511	6mm	£2.97
2512	8mm	£2.99
2513	set of 3	£6.55

HSS 5 Flute & 3 Flute

HSS 90° Angle 5 Flutes		
Code	Size	Price
CS5101A	5/16"-8mm	£7.55
CS5101B	1/2"-12mm	£8.52
CS5101C	5/8"-16mm	£12.99
CS5101D	3/4"-20mm	£16.32

HSS 90° Angle 3 Flutes		
Code	Size	Price
CS3201A	12mm	£16.27
CS3201C	20mm	£28.85
CS3201B	25mm	£38.63



Woodboring Machine Bits

Forstner

Metric		Imperial	
Size	Price	Size	Price
10mm	£16.88	3/8	£16.14
12mm	£17.29	7/16	£16.51
14mm	£18.12	1/2	£16.77
15mm	£19.10	9/16	£18.79
16mm	£19.72	5/8	£18.99
18mm	£20.90	3/4	£20.23
20mm	£22.78	13/16	£21.49
22mm	£23.30	7/8	£22.42
25mm	£24.42	15/16	£23.91
28mm	£27.54	1	£24.12
30mm	£29.82	1.1/8	£26.46
32mm	£30.70	1.1/4	£29.09
35mm	£35.37	1.3/8	£34.31
38mm	£38.32	1.1/2	£37.33
40mm	£44.69	1.3/4	£48.47
45mm	£55.25	1.7/8	£54.21
50mm	£59.71	2	£56.97



Saw Tooth

Metric		Imperial	
Size	Price	Size	Price
10mm	£17.29	3/8	£16.77
12mm	£17.75	1/2	£17.34
15mm	£18.47	5/8	£19.05
16mm	£19.15	3/4	£20.71
20mm	£22.46	7/8	£25.96
22mm	£23.13	1	£25.53
25mm	£24.94	1.1/8	£27.96
28mm	£29.98	1.1/4	£33.96
30mm	£34.07	1.3/8	£35.73
32mm	£35.37	1.1/2	£37.59
35mm	£38.73	1.5/8	£43.13
38mm	£42.15	1.3/4	£49.03
40mm	£45.31	2	£57.63
50mm	£60.49	2.1/4	£72.60
60mm	£87.94	2.1/2	£95.86
75mm	£122.43	2.3/4	£104.00
		3	£120.47

Hollow Square Mortice Chisels & Bits

Size	Price		
	Mortice Chisel	Mortice Bit	Complete Unit
1/4	£35.65	£14.36	£50.02
5/16	£37.83	£14.37	£52.21
3/8	£38.79	£15.14	£53.94
7/16	£42.44	£15.44	£57.88
1/2	£44.30	£15.66	£59.96
9/16	£48.68	£16.59	£65.30
5/8	£70.74	£20.08	£90.83
3/4	£74.61	£22.61	£97.24
1	£89.94	£30.26	£120.22



Plug Cutters

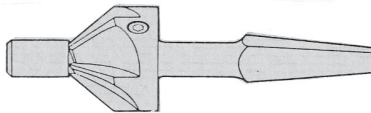
Size	Price each
7mm	£3.29
8mm	£3.45
10mm	£3.50
11.5mm	£3.95
13mm	£4.20
16mm	£5.82
3/4"	£81.51



Sharpening Tool

For Hollow Square Mortice Chisel

Solid Type		
Code	For Chisel Size	Price each
538	1/4"	£27.35
	3/8"	£32.40



Woodboring Bits

R355 Flat Bits

Wood Boring Bits for use in Electric Drills

Used on all types of timbers, hardwood, softwood, cross or end grain and on plastics. Bores quickly and cleanly. All have 1/4" diameter shanks.

Size	Price	Size	Price
1/4"	£3.11	13/16"	£4.61
5/16"	£3.11	7/8"	£4.61
3/8"	£3.27	15/16"	£4.83
7/16"	£3.41	1"	£4.83
1/2"	£3.41	1.1/8"	£5.63
9/16"	£4.36	1.1/4"	£6.17
5/8"	£4.36	1.3/8"	£7.04
11/16"	£4.61	1.1/2"	£7.37
3/4"	£4.61		

R357 Extension Shanks for Bits

For extending woodboring bits. Head will pass through 5/8" diameter holes and larger.

R1915 Expansive Bits

Latest pattern expansive bit with positive setting. The cutters and packing piece are both serrated and marry up to each other, making sure that the cutter cannot slip or move during boring.

R1915SW Small - Range 1/2" to 1 1/2"

R1915LW Large - Range 7/8" to 3"

Code	Description	Price
R537	Extension Shank	£10.03
R1915SW	Small Expansive Bit	£27.36
R1915LW	Large Expansive Bit	£45.24

Standard Auger Bits

Code	Size	Price
CA6	6mm	£4.77
CA8	8mm	£4.87
CA10	10mm	£4.97
CA13	13mm	£6.26
CA16	16mm	£8.76
CA19	19mm	£8.34
CA22	22mm	£9.36
CA25	25mm	£10.40
CA32	32mm	£14.31



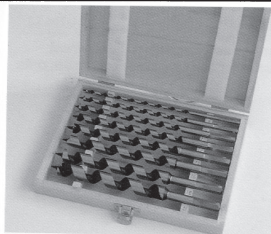
Flat Bit Set

Code	Description	Price
2032	Set of 6 Flat Bits 10, 12, 16, 18, 20 & 25mm	£9.50



Auger Bit Sets

Code	Description	Price
CASET8A	Set 8 6-25mm Aluminium Case	£29.95
CASET8W	Set 8 6-20mm Wood Case	£25.90
CASET5	Set 5 10-25mm Skin Pack	£19.20



Reamers Hand & Machine

Reamers Hand & Machine

Size		Price each	
inch	mm	Hand	Machine
5/64	2.0	£23.59	-
3/32	2.5	£18.33	-
7/64	3.0	£18.53	£20.64
1/8	-	£12.92	£20.64
9/64	3.5	£15.65	£24.37
5/32	4.0	£14.43	£22.93
11/64	4.5	£15.74	£25.22
3/16	-	£14.47	£22.93
13/64	5.0	£16.66	£24.37
7/32	5.5	£15.83	£24.37
15/64	6.0	£17.37	£26.25
1/4	6.5	£16.60	£24.37
17/64	7.0	£18.15	£26.46
9/32	7.5	£17.37	£25.22
19/64	-	£19.47	£26.70
5/16	8.0	£17.77	£24.37

Size		Price each	
inch	mm	Hand	Machine
21/64	8.5	£20.44	£27.31
11/32	9.0	£22.20	£25.82
23/64	9.5	£24.65	£28.14
3/8	-	£21.22	£24.17
25/64	10.0	£25.10	£28.14
13/32	10.5	£24.32	£27.10
27/64	-	£27.98	£28.36
7/16	11.0	£24.90	£25.82
-	11.5	£25.84	£27.10
29/64	-	£28.35	£29.17
15/32	12.0	£26.25	£27.52
31/64	-	£32.41	£29.99
-	12.5	£26.42	£26.88
1/2	13.0	£24.90	£25.82

Larger Sizes Available



Adjustable Hand Reamers

Code	Range inches	Range mm	Price Reamer each	Price Sets Blades	Price Pilots each	Price Nuts each
H1	3/8-13/32	9.25-10.31	£65.47	£35.29	£47.60	£5.54
H2	13/32-7/16	10.31-11.11	£66.42	£37.87	£47.80	£5.74
H3	7/16-15/32	11.11-11.90	£67.41	£38.86	£47.97	£5.92
H4	15/32-17/32	11.90-13.49	£68.82	£40.05	£48.17	£5.93
H5	17/32-19/32	13.49-15.08	£70.41	£40.85	£48.59	£6.14
H6	19/32-21/32	15.08-16.66	£72.79	£43.43	£48.98	£7.14
H7	21/32-23/32	16.66-18.25	£74.76	£45.60	£49.36	£7.32
H8	23/32-25/32	18.25-19.84	£81.51	£52.75	£49.77	£7.72
H9	25/32-27/32	19.84-21.43	£85.48	£54.74	£50.18	£7.73
H10	27/32-15/16	21.16-23.81	£94.20	£59.09	£50.59	£8.11

WSL

Larger Sizes Available



Morse Taper Sleeves

Morse Inside	Taper Outside	Price
0	1	£12.73
1	2	£11.58
1	3	£12.55
1	4	£16.98
2	3	£12.55
2	4	£16.42
3	4	£16.43
3	5	£27.01
4	5	£27.02



Screw Extractors

No	Price
1	£2.36
2	£2.57
3	£2.91
4	£3.16
5	£4.19

Set Screw Extractors
1-5 inclusive
Price per Set: £15.63

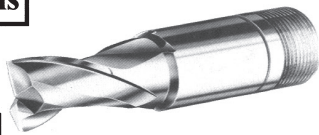
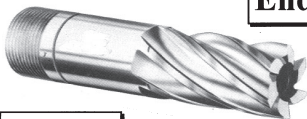


Drills - Lip & Spur

(Woodworking)

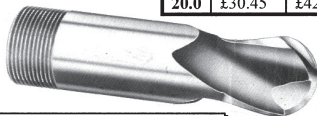
Size	Price
6mm	£5.89
8mm	£6.09
10mm	£6.69
11mm	£7.14
12mm	£7.60
13mm	£8.87

End Mills / Slot Drills



End Mills

Imperial			Metric		
	Price each			Price each	
Size	Normal	Long	Size	Normal	Long
1/8"	£10.09	£11.62	3.0	£9.83	£11.08
3/16"	£10.09	£15.06	4.0	£9.83	£11.08
1/4"	£10.09	£11.62	5.0	£9.83	£11.08
5/16"	£20.89	£21.17	6.0	£9.83	£11.08
3/8"	£16.66	£20.89	7.0	£20.01	£24.07
7/16"	£25.05	£29.73	8.0	£12.79	£16.76
1/2"	£16.05	£25.32	9.0	£23.62	£24.07
9/16"	£29.73	£39.99	10.0	£14.14	£17.21
5/8"	£27.66	£39.92	11.0	£25.77	£26.69
11/16"	£41.90	£57.49	12.0	£15.40	£19.74
3/4"	£30.45	£48.58	13.0	£33.87	£31.81
13/16"	£92.83	£109.94	14.0	£28.39	£39.20
7/8"	£86.69	£110.83	15.0	£37.94	£35.42
15/16"	£93.71	£121.92	16.0	£23.07	£35.69
1"	£65.69	£97.77	18.0	£33.87	£51.27
			20.0	£30.45	£42.98



Slot Drills (Ball Nosed)

Imperial			Metric		
	Price each			Price each	
Size	Normal	Long	Size	Normal	Long
1/8"	£17.24	£25.99	2.0	£17.24	-
3/16"	£17.24	£25.99	3.0	£16.88	£24.13
1/4"	£17.24	£23.97	4.0	£17.24	£22.78
5/16"	£19.68	£22.99	5.0	£17.24	£24.13
3/8"	£18.19	£25.34	6.0	£17.24	£22.78
7/16"	£30.21	£36.15	7.0	£17.21	-
1/2"	£20.80	£30.75	8.0	£16.05	£28.83
9/16"	£38.06	-	9.0	£22.94	-
5/8"	£35.26	£46.22	10.0	£18.38	£36.96
3/4"	£42.16	£62.62	11.0	£32.50	-
7/8"	£76.95	£100.16	12.0	£21.46	£41.33
1"	£67.44	£100.16	13.0	£39.05	-
			14.0	£36.19	£49.16
			15.0	£45.38	-
			16.0	£35.82	£62.14
			18.0	£50.64	-
			20.0	£38.98	£83.72

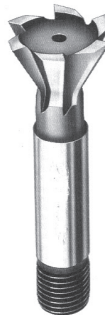
Slot Drills

Imperial			Metric		
	Price each			Price each	
Size	Normal	Long	Size	Normal	Long
1/16"	£11.61	£17.99	2.0	£9.90	£16.47
1/8"	£10.80	£13.96	3.0	£9.90	£13.32
3/16"	£10.80	£16.03	4.0	£9.81	£13.32
1/4"	£10.80	£13.32	5.0	£9.81	£13.32
5/16"	£9.88	£12.76	6.0	£9.81	£13.32
3/8"	£10.07	£13.04	7.0	£9.97	£13.32
7/16"	£12.20	£19.75	8.0	£9.78	£13.42
1/2"	£11.18	£15.46	9.0	£10.82	£16.31
9/16"	£13.98	£24.41	10.0	£10.62	£13.59
5/8"	£15.10	£20.51	11.0	£12.12	£18.08
11/16"	£20.69	£45.67	12.0	£11.18	£14.07
3/4"	£17.79	£28.42	13.0	£14.44	£24.69
13/16"	£44.16	£63.08	14.0	£13.59	£18.54
7/8"	£34.93	£58.32	15.0	£12.96	£27.59
15/16"	£57.30	£77.99	16.0	£15.10	£20.78
1"	£34.18	£55.15	18.0	£17.89	£26.06
			20.0	£19.19	£28.79

Slot Cutters

Dovetail (Screwed Shank)

Imperial		
Dia	Angle	Price each
16mm	60	£57.56
20mm	60	£64.31
25mm	60	£91.01
32mm	60	£121.61
40mm	60	£182.02
16mm	45	£57.58
20mm	45	£64.33
25mm	45	£91.03
32mm	45	£121.63
40mm	45	£182.02



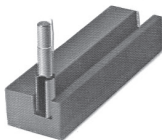
Router Bits

HSS Straight Bits

shank 1/4"

Fits all router collars.

Code	Size	Price
3800	5/32" / 4mm	£5.09
3801	13/64 / 5mm	£5.13
3802	1/4" / 6mm	£5.28
3803	5/16" / 8mm	£5.93
3804	3/8" / 10mm	£6.55

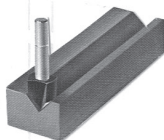


HSS V-Groove Bit

shank 1/4"

Fits all router collars.

Code	Size	Price
3806	Ø12.5mm	£7.94

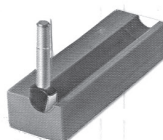


HSS Core Box Bit

shank 1/4"

Fits all router collars.

Code	Size	Price
3807	Ø12mm	
	radius 6mm	£8.18

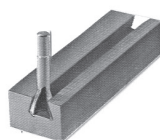


HSS Dovetail Bit

shank 1/4"

Fits all router collars.

Code	Size	Price
3808	Ø12.5 x 13.5mm	£9.54

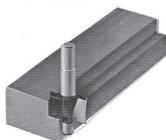


HSS Rabbeting Bit

shank 1/4"

Fits all router collars.

Code	Size	Price
3809	Ø18mm	£15.06

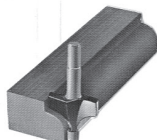


HSS Round Over Bit

shank 1/4"

Fits all router collars.

Code	Size	Price
3810	Ø24mm	
	Radius 9.5mm	£15.33

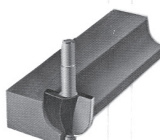


HSS Coving Bit

shank 1/4"

Fits all router collars.

Code	Size	Price
3811	24mm	
	Radius 9.5mm	£15.11

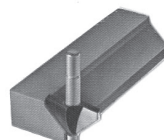


HSS Chamfering Bit

shank 1/4"

Fits all router collars.

Code	Size	Price
3812	Ø27mm 45°	£14.73



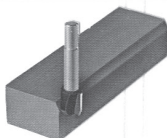
Carbide Tipped Edge Trimmer

Chamfering Cutter

shank 1/4"

Code Size Price

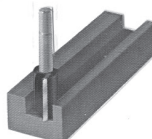
3820	22° chamfer Ø12x11mm	£16.29
------	-------------------------	--------



Carbide Tipped Straight Bits

shank 1/4"

Code	Size	Price
3822	Ø14x22mm	£22.23
3824	Ø6x19mm	£16.21
3825	Ø8x20mm	£17.25
3826	Ø10x20mm	£18.08
3827	Ø12x20mm	£19.74



Router Bits

1/4" TCT Router Bit Set

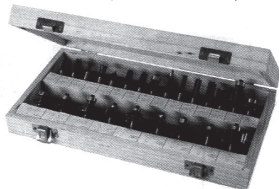
1/4" shank router cutter 12 piece set. Contents;
Straight: 6x20mm, 12x20mm, 16x20mm;
90° Grooving: 12.7mm; 45° Chamfer: 32mm
Dovetail: 12.7mm; Bearing flush trim: 12.7x13mm;
Rounding over: R6.3 D21.6mm, R9.5 D28mm;
Cove box: R6.3 D12.7mm; Cove: R6.3 D21.6mm;
Roman Ogee: R4 D25mm



Code	Description	Price
BC1412	1/4" Set of 12	£15.46

1/4" TCT Router Bit Set

1/4" shank router cutter 24 piece set. Contents;
Mortise: D12.7mm; Combi bevel: D12.7mm;
Dovetail: D9.5 & 12.7mm; 90° Grooving: 12.7mm
Round Nose: D9.5 R4.76mm & D12.7 R6.35mm;
Slot cutter: D6.35mm; Panel pilot: D6.35mm;
Straight: D6.35, 9.5, 12.7 & 19.05mm;
Bearing flush trim: D12.7mm; Rabetting D12.7mm
Roman Ogee: R3.96 D25.4mm; Trimming: D16mm
Rounding over: R3.17 D19.05mm, R4.76 D22.2mm,
R6.35 D25.4mm, R9.5 D31.7mm; 45° chamfer: D30mm;
Cove: R6.35 D22.2mm, R9.52 D28.6mm;



Code	Description	Price
BC1424	1/4" Set of 24	£42.82

Straight Cutters

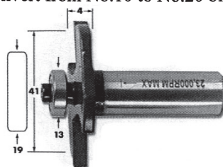
8mm shank.

Code	Dia	Price
3235	5mm	£3.69
3238	12mm	£4.20



Biscuit Cutter

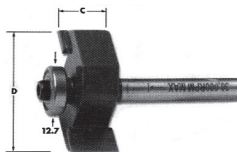
Sharp TCT cutting edges. Interchangeable bearings convert from No.10 to No.20 biscuit.



Code	Description	Price
BC1020	No.10 & 20	£6.42
BC1021	No.10 & 20 1/2"	£6.86

Rebate Cutter

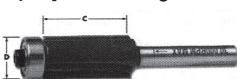
For producing rebates, small tenon joints, lap joints and cabinet door cuts.



Code	D x C	Price
RC3512	35 x 12.7mm	£11.50

Flush Trim Cutter

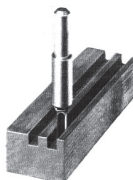
Flush cutter for trimming hard laminates. Glue must be dry to prevent fouling.



Code	Description	Price
FT6312	6.35 x 12.7mm	£3.06
FT1225	12.7 x 25.4mm	£3.43
FT1250	12.7 x 50mm	£4.75

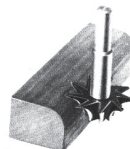
Straight Cutter

Code Size 3262 Ø6mm/1/4" Price £4.79

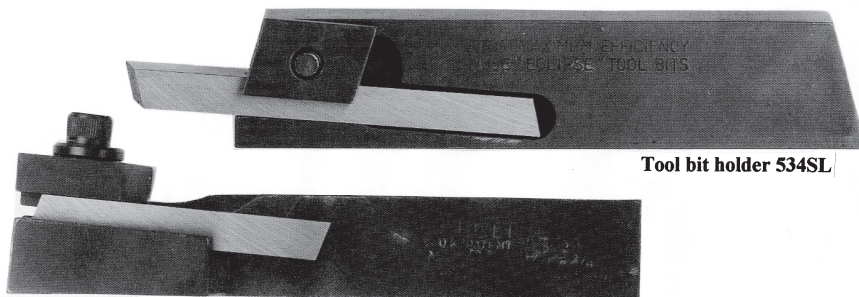


Rounding Off Cutter

Code Size 3266 Ø35mm, Radius 10mm Price £4.08

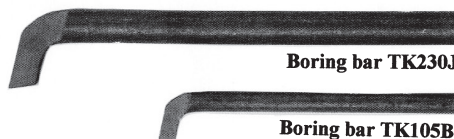


Lathe Toolholders



Tool bit holder 534SL

Tool bit holder 533S



Boring bar TK230J

Boring bar TK105B

Boring Bars

Tool Bit Holders

- These tool bit holders offer effectiveness by means of a carefully machined groove with relieved corners which enable the tool bit to rest on a really flat surface.
- Holders clamp the tool bit securely and rigidly.
- Complete with an Allen key and toolbit.

Holders with a suffix 'SL' are designed for use in American type (slotted pillar) tool posts. Holders with suffix 'S' are designed for use on English type Lathes with flat tool rests, or 4 way turret tool posts.

- Made from High Speed Steel
- Ends ground ready for use.

Product Code	Diameter	Length	Price
TK105B	5mm (3/16")	114mm (4.1/2")	£9.95
TK146C	6.5mm (1/4")	127mm (5")	£11.82
TK188P	8mm (5/16")	153mm (6")	£17.13
TK230J	9.5mm (3/8")	178mm (7")	£21.21

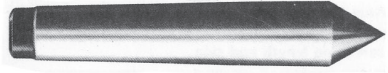
Product Code	Capacity		Shank Size		Overall Length	Price
	mm	inches	mm	inches		
524SL	5-7	3/16-1/4	11.1x25.4	7/16x1	130mm(5.1/8")	£55.18
534SL	8-10	5/16-3/8	15.9x31.8	5/8x1.1/4	155mm(6")	£67.95
523S	5-7	3/16-1/4	14.3x19.0	9/16x3/4	125mm(5")	£71.19
533S	8-10	5/16-3/8	17.5x25.4	11/16x1	155mm(6")	£74.11

Lathe Toolholders

Rotating centres



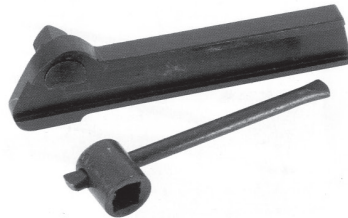
Machine Centres



Material	Size		
	Price each		
	1MT	2MT	3MT
Carbon Steel	£21.11	£21.11	£23.92
High Speed	£26.74	£26.74	£42.21
Carbide Tip	£36.58	£36.58	£45.01
Half Centres	1MT	2MT	3MT
Carbon Steel	£23.91	£23.91	£26.74
High Speed	£29.55	£29.55	£45.01

Standard Series

Code	Price
1MT	£58.19
2MT	£77.20
3MT	£86.89
4MT	£102.59

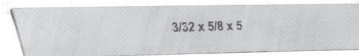


Cutting Off Tool Holders

- 633S designed specifically for use on small lathes. The only toolholders in our range suitable for hollow ground cutting off tools.
- All holders include a clamp designed to ensure that the tools are held securely and rigidly.

Product Code	Capacity		Shank size		Base to Underside	Overall Length	Price
	mm	inches	mm	inches			
633S	8	5/16	8x14.2	5/16x9/16	2.4mm(3/32")	95mm (3.11/16")	£63.04
653S	12.7-16	1/2-5/8	12.7x25.4	1/2x1	3.2mm(1/8")	155mm(6")	£68.58

Cutting Off Blades



- Bevel section accurately ground with clearance angle at cutting edge.

Product Code	Width	Thickness	Length	Price
TJ123V	7.93mm (5/16")	1.6mm (1/16")	89mm (3.1/2")	£12.23
TH325M	12.70mm (1/2")	2.4mm (3/32")	114mm (4.1/2")	£13.45
TH466F	15.87mm (5/8")	2.4mm (3/32")	127mm (5")	£18.15

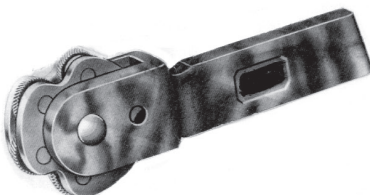
Knurling Toolholders

5350 Knurling Tool Revolving Head Type

- Designed to resist the severe strains of both side and end thrust.
- Holders are steel forgings.
- The revolving head is fitted with fine, medium and coarse HSS knurls in pairs, giving variety without loss of time, as any pair of knurls can be brought into use by simply turning the head to the required position.

Code	Width	Shank size height	Length	Price
5350-201	12.7	28.6	165	£155.47

Code	Spare Knurls	Dia	Width	Bore	Price
5365-201	Coarse R.H. Spiral	19	9.5	6.35	£12.25
5365-202	Coarse L.H. Spiral	19	9.5	6.35	£12.25
5365-203	Medium R.H. Spiral	19	9.5	6.35	£12.25
5365-204	Medium L.H. Spiral	19	9.5	6.35	£12.25
5365-205	Fine R.H. Spiral	19	9.5	6.35	£12.25
5365-206	Fine L.H. Spiral	19	9.5	6.35	£12.25

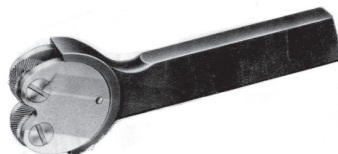


5354 Knurling Tool Pivot Head Type

- A robust tool with forged steel shank.
- Pivoted head is self adjusting to workpiece and provides maximum knurling load support.

Code	Width	Shank size height	Length	Price
5354-201	9.5	20.6	133	£65.97
5354-202	9.5	18.3	107	£76.29

Code	Spare Knurls	Dia	Width	Bore	Price
5367-203	Medium R.H. Spiral	15.9	7.9	5.4	£12.20
5367-204	Medium L.H. Spiral	15.9	7.9	5.4	£12.20

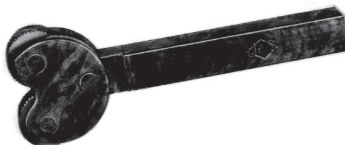


5356 Knurling Tool Pivot Head Type

- A lighter duty pivot head tool which is self adjusting to the workpiece.
- Medium pitch diamond pattern HSS knurls supplied as standard.

Code	Width	Shank size height	Length	Price
5356-201	12.7	12.7	115	£68.90

Code	Spare Knurls	Dia	Width	Bore	Price
5365-203	Medium R.H. Spiral	19	9.5	6.35	£12.25
5365-204	Medium L.H. Spiral	19	9.5	6.35	£12.25



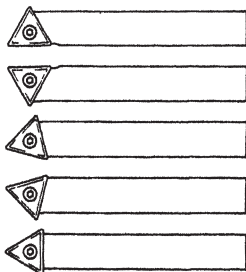
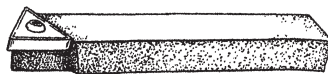
5358 Knurling Tool Single Wheel Type

Code	Width	Shank size height	Length	Price
5358-201	12.7	12.7	100	£33.47

Code	Spare Knurl	Dia	Width	Bore	Price
5368-208	Medium Straight	19	6.35	6.35	£11.15



Turning Tools and Tips



Turning Tools and Tips

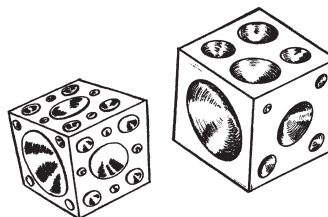
Sets of 5 Tools
Indexable complete with Tips

Code	Description	Price each
M0130	1/2" Square Tool Set	£27.72
M0132	1/2" 5 Spare Tips	£9.40
M013S	1/2" Spare Screw	£0.59
M0140	3/8" Square Tool Set	£27.72
M0142	3/8" 5 Spare Tips	£6.87
M014S	3/8" Spare Screw	£0.57

Doming Blocks and Punch Set

Brass Block

Code	Type	Size	Price each
M0033	Medium	40mm	£21.94
M0034	Large	50mm	£28.30

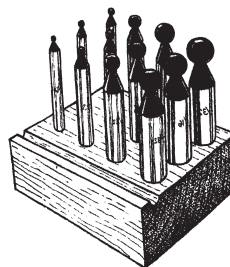


Steel Block

Code	Type	Size	Price each
M0035	Large	60mm	£31.07

Punch Set

Code	Description	Price per Set
M0030	Set of 12 Punches	£17.76



Tungsten Carbide Tipped - Lathe Tools

Cranked Round Nose Turning Tools

List No.	Code	Shank Section inch size	Overall Length inch size	Price each
RIGHT HAND				
10	2403	3/8 x 3/8	3½	£11.93
12	2405	1/2 x 1/2	4	£13.05
16	2407	5/8 x 5/8	5	£16.17
LEFT HAND				
11	2404	3/8 x 3/8	3½	£12.15
13	2406	1/2 x 1/2	4	£13.31
17	2408	5/8 x 5/8	5	£16.18

Bar Turning Tools

List No.	Code	Shank Section inch size	Overall Length inch size	Price each
RIGHT HAND				
100	2413	3/8 x 3/8	3½	£10.50
102	2415	1/2 x 1/2	4	£12.53
106	2417	5/8 x 5/8	5	£15.13
LEFT HAND				
101	2414	3/8 x 3/8	3½	£10.52
103	2416	1/2 x 1/2	4	£12.56
107	2418	5/8 x 5/8	5	£15.08

Straight Round Nose Turning Tools

List No.	Code	Shank Section inch size	Overall Length inch size	Price each
010	2422	3/8 x 3/8	3½	£11.52
012	2423	1/2 x 1/2	4	£12.11
016	2424	5/8 x 5/8	5	£15.22

Parting Tools

List No.	Code	Shank Section inch size	Overall Length inch size	Price each
P2	2428	1/2 x 1/2	4	£14.63
		1/8 Cutting Width		
P3	2429	5/8 x 5/8	5	£16.91
		3/16 Cutting Width		



Special Acrylic Files

A set of two files, **Half Round and Square** complete with handles enabling students to work a variety of shapes in Acrylic and similar plastics.

May also be used for all tough materials, Metals, Slate, Marble, Fibreglass and Tiles. Life bonded with fine tungsten carbide crystals.

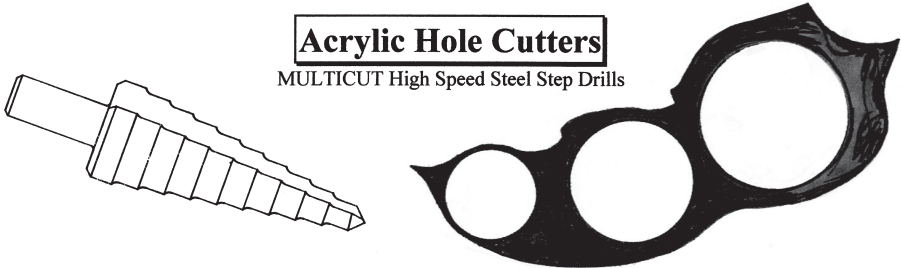
Lasts up to **10 times** longer than a normal file.



Code	Description	Price
AFH	Half Round	£4.80
AFS	Square	£4.40
AF2	Set of 2	£8.48

Acrylic Hole Cutters

MULTICUT High Speed Steel Step Drills



The smooth 2 flute cutting action drills clean round holes quickly and safely with a minimum of effort, whether in a hand-held industrial power tool or pedestal drilling machine.

Multicut drills thicker materials than Conecut. The exact thickness is determined by the depth of step of the tool being used - double the thickness of the workpiece can be reversed.

Each tool cuts parallel holes in a range of specific hole sizes. Specially ground shank prevents slip in 3-jaw chuck, and gives concentric grip in collet type chuck (useful for regrounding). Each parallel step gives a small clearance on the nominal diameter. All tools illustrated have a point which produces its own pilot hole without wandering and which can be reground.

Tool No	Drill Sizes mm	Max Material Thickness	Shank to Fit Chuck size	Price each
MC1M	4, 5, 6, 7, 8, 9, 10, 11, 12	4mm	6.5mm	£25.05
MC2M	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20	4mm	10mm	£35.45
MC3M	20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30	4mm	13mm	£53.63
MC4M	4, 6, 8, 10, 12	10mm	6.5mm	£27.05
MC5M	4, 6, 8, 10, 12, 14	4mm	6.5mm	£15.51
MC6M	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30	4mm	10.0mm	£30.11
MC7M	Set of 3 1/8-3/4"	4mm	6.5mm	£11.75
MC8M	Set of 3 4-30mm	4mm	6.5mm	£36.18
MC10M	6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30	4mm	13mm	£60.75

Nails

Round Wire

Length	Price	
	½ Kg	1 Kg
20mm	£2.55	£4.85
25mm	£1.99	£3.78
40mm	£2.06	£3.91
50mm	£1.97	£3.74
75mm	£1.90	£3.61
100mm	£1.88	£3.57
115mm	£1.84	£3.50
125mm	£1.85	£3.52
150mm	£1.86	£3.53

Oval Brads

Length	Price	
	½ Kg	1 Kg
25mm	£2.06	£3.71
30mm	£1.99	£3.58
40mm	£1.87	£3.37
50mm	£1.76	£3.17
65mm	£1.73	£3.11
75mm	£1.74	£3.13
100mm	£1.75	£3.15

Blued Cut Tacks

Length	Price
¾"	£14.93 per 1.2Kg
1"	£14.95 per 960g

Upholstery Nails

Type	Price
Brassed	£5.71 per 300
Bronzed	£6.35 per 300
5/8" Drugget	£6.73 per 150
1.1/8" Drugget	£7.20 per 150



Panel Pins (Steel)

Length	Price	
	½ Kg	1 Kg
12mm	£5.59	£10.62
15mm	£3.41	£6.48
20mm	£2.37	£4.50
25mm	£2.17	£4.12
30mm	£2.05	£3.90
40mm	£2.03	£3.86
50mm	£1.96	£3.72

Panel Pins (Brass)

Length	Price per 450gms
1/2"	£19.08
¾"	£18.74
1"	£18.23

Veneer Pins (Steel)

Length	Price per ¼ Kg
5/8"	£4.26
¾"	£3.79

Round Lost Head

Length	Price	
	½ Kg	1 Kg
40mm	£2.14	£3.84
50mm	£1.68	£3.02
60mm	£1.65	£2.97
65mm	£1.64	£2.95
75mm	£1.62	£2.92

Masonry Nails

Code	Length	Price box 100
M1103	30mm	£3.90
M1104	35mm	£4.59
M1105	45mm	£4.91
M1106	50mm	£6.25
M1107	60mm	£7.71
M1109	75mm	£9.63

Hardware

Brass Surface Screw Cups

Gauge	Self Colour Price per 100	Nickel Price per 100
4/5	£3.01	-
6	£3.20	-
7/8	£3.65	£4.31
10	£4.35	£5.12
12	£5.86	£6.95

Plastic Screw Cups & Covers

Code	Colour	Price per 100
244	White	£3.41
246	Brown	£3.42



Supatops (For Supadrive Screws)

Size	Colour	Price per 100
No 2	Brown	£2.23
No 3	White	£2.24



Mirror Screws

Length	Price per 10
¾"	£3.04
1"	£3.14
1¼"	£3.36
1½"	£3.55



Cup Hooks - Brass

Length	Price	
	per 10	per 100
¾"	£0.48	£3.60
1"	£0.55	£4.13
1¼"	£0.77	£5.78
1½"	£0.98	£7.35



Dresser Hooks - Brass

Length	Price	
	per 10	per 100
¾"	£0.44	£3.30
1"	£0.52	£3.90
1¼"	£0.77	£5.78
1½"	£0.89	£6.68



Cup Hooks - Plastic Coated (White)

Length	Price	
	per 10	per 100
¾"	£0.77	£6.55
1"	£0.96	£8.16
1¼"	£1.11	£9.44
1½"	£1.30	£11.05



Dresser Hooks - Plastic Coated (White)

Size	Price	
	per 10	per 100
1"	£0.85	£7.23
1¼"	£1.23	£10.46



Cup Hooks - Chrome Plated

Length	Price	
	per 10	per 100
1"	£0.78	£7.02
1¼"	£0.99	£8.91
1½"	£1.14	£10.26



Side Hook & Eye - Brass

Size	Price	
	25 pairs	50 pairs
¾"	£4.30	£8.17
1"	£4.96	£9.42
1¼"	£6.94	£13.19



Screwed Rings

Type	Price	
	per 10	per 100
Small Coppered	£0.69	£5.18
Medium Coppered	£0.79	£5.93
Small Brass	£0.72	£5.40
Medium Brass	£0.83	£6.23

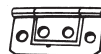


Hardware

Hinges

Prices per pair

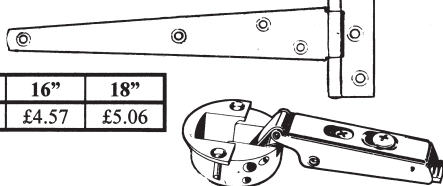
Type	1"	1¼"	1½"	2"	2½"	3"	4"
Steel Butt	£0.31	-	£0.40	£0.51	£0.62	£0.73	£1.14
Brass Butt	£0.97	-	£1.45	£2.19	£3.15	£4.71	£6.88
Flush Brassed	-	-	£0.50	£0.52	£0.62	-	-
Steel Backflap	£0.62	£0.86	£1.11	£1.26	-	-	-



Tee (Japanned) Hinges

Price per pair

6"	8"	10"	12"	14"	16"	18"
£1.23	£1.29	£1.71	£2.36	£3.22	£4.57	£5.06



Concealed Hinges

STANDARD - White		
Code	Size	Price per pair
2226	26mm(1")	£4.19
2235	35mm(1.3/8")	£4.30

SELF CLOSING - White		
Code	Size	Price per Pair
2326	26mm(1")	£4.20
2335	35mm(1.3/8")	£4.32



Piano Hinge 6ft Length

Undrilled piano hinges. Please advise if this item can be cut for ease of carriage.

Open Width	Gauge	Steel	Brass
¾"	20	£4.61	£15.69
1"	20	£4.84	£16.96
1"	18	£6.06	£22.11
1"	16	£8.09	£29.36
1¼"	20	£5.40	£18.26
1¼"	18	£7.90	£23.82
1¼"	16	£8.04	£31.63
1½"	20	£5.62	£20.94
1½"	18	£8.30	£25.53
1½"	16	£8.90	£33.91
2"	18	£9.14	£28.95
2"	16	£9.89	£38.48

Spring Clips (Terry Type)

Size	Price	
	Price per 10	Price per 100
1/4"	£1.38	£12.42
3/8"	£1.39	£12.51
1/2"	£1.60	£14.40
5/8"	£2.01	£18.09
3/4"	£2.29	£20.61
1"	£2.53	£22.77
1.1/8"	£3.43	£30.87
1.1/4"	£5.31	£47.79
1.1/2"	£5.50	£49.50



Split Key Rings

	20mm	25mm	30mm	38mm
Price per 10	£0.70	£0.79	£0.92	£1.35
Price per 100	£6.30	£7.11	£8.28	£12.15



Hardware

Brass Cupboard Catch

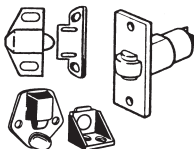
1.11/16" Adjustable Double Ball Catch

Code	each	Price	
		each	per 10
012	£0.63	£6.05	



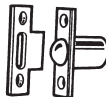
Nylon Cupboard Catches

Code	Description	each	Price	
			each	per 10
014	Rocker Catches	£0.31	£2.95	
173	Peg-Lock Catches	£0.45	£4.28	



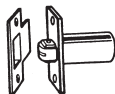
Brassed Bales Catches

Code	Size	each	Price	
			each	per 10
332	5/8"	£0.97	£9.22	
333	3/4"	£1.23	£11.69	



Adjustable Roller Catches

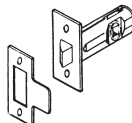
Code	Description	each	Price	
			each	per 10
280AL/P	Diecast Body Aluminium Plates	£1.62	£15.39	
281B/P	Diecast Body Brass Plates	£1.72	£16.34	



Mortise Latches

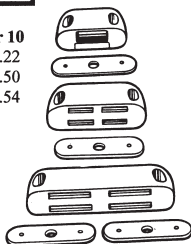
Zinc Plated

Code	Size	each	Price	
			each	per 10
142	2 1/2"	£1.44	£13.54	



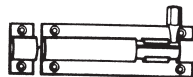
Magnetic Cupboard Catches

Code	Size	each	Price	
			each	per 10
019	Mini	£0.35	£3.22	
013	Medium	£0.38	£3.50	
172	Large	£0.82	£7.54	



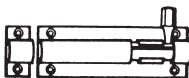
Chrome Door Bolts

Code	Size	each	Price	
			each	per 10
233	1 1/2"	£1.03	£9.89	
234	2"	£1.10	£10.56	
235	2 1/2"	£1.19	£11.42	
236	3"	£1.41	£13.54	



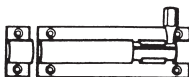
Aluminium Door Bolts

Code	Size	each	Price	
			each	per 10
077	1 1/2"	£0.81	£7.70	
078	2"	£0.86	£8.17	
079	2 1/2"	£0.93	£8.84	
080	3"	£1.00	£9.50	
081	4"	£1.07	£10.17	



Brass Door Bolts

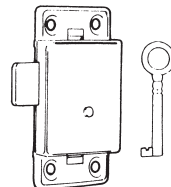
Code	Size	each	Price	
			each	per 10
225	1 1/2"	£1.13	£10.74	
226	2"	£1.22	£11.59	
227	2 1/2"	£1.30	£12.35	
228	3"	£1.46	£13.87	
229	4"	£1.83	£17.39	
230	6"	£2.61	£24.80	



Cupboard Locks & Keys

Electro Brass

Code	Size	each	Price	
			each	per 10
165	2"	£1.24	£11.78	
166	2 1/2"	£1.41	£13.40	



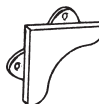
Brass Padlocks

Code	Size	each	Price	
			each	per 10
410	20mm	£1.14	£10.94	
411	25mm	£1.48	£14.21	
412	30mm	£1.76	£16.90	
413	35mm	£3.15	£30.24	
416	50mm	£3.97	£38.11	
SAME KEY PADLOCKS				
L33	30mm	£3.53		
L44	40mm	£4.17		



Mirror Corners

Code	each	Price	
		each	per 10
178	£0.34	£2.89	

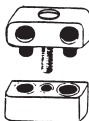


Hardware

Chipboard Fittings

Knockdown Fittings

Code	Colour	Price	
		per 25	per 100
157W	White	£3.63	£13.79
158B	Brown	£3.64	£13.83
076BE	Beige	£3.65	£13.87



Modesty Blocks

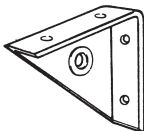
Code	Colour	Price	
		per 50	per 100
159W	White	£2.70	£5.13
223B	Brown	£2.71	£5.15
222BE	Beige	£2.72	£5.17
380BL	Black	£2.74	£5.21



White Plastic Corner Braces

For Cupboard Strengthening

Code	Size	Price	
		per 20	per 100
160	2" x 2"	£3.63	£17.24



Plastic Shelf Studs

Code	Description	Colour	Price per pack
151	40 studs	White	£3.63
152	40 studs	Brown	£3.64

Hose Clips

Code	Adjustment	Price each
000	3/8"-1/2"	£0.51
M00	1/2"-5/8"	£0.52
00	1/2"-3/4"	£0.53
0	5/8"-7/8"	£0.59
0X	3/4"-1"	£0.60
1A	7/8"-1.1/8"	£0.64
1	1"-1.3/8"	£0.67
1X	1.1/8"-1.5/8"	£0.70
2A	1.3/8"-2"	£0.74
2	1.5/8"-2.1/8"	£0.77
2X	1.3/4"-2.3/8"	£0.81
3	2.1/8"-2.3/4"	£0.88



Castors

Code	Size	Description	Price	
			per 4	per 10
FB102	31mm	Wheel Socket	£2.78	£6.39
FB103	40mm	Shepherdette Plate	£8.94	
FB104	40mm	Shepherdette Socket	£7.80	
FB105	50mm	Shepherd Mini Plate	£11.04	
FB106	50mm	Shepherd Mini Socket	£11.45	



Socket Fix



Plate Fix



Socket Fix



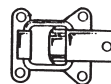
Plate Fix

Catches

Case		
M1442	Toggle NP	£1.75 each



Jewel Case		
M1449	Small	£1.16 each
SP100	Pins	£3.90 pk100



Toggle		
M1451	Overcentre NP	£0.83 each

Hardware

Georgian Style Brass Door Knobs

Code	Size	Price	
		each	per 10
144	1"	£1.51	£14.50
145	1¼"	£2.35	£22.56
146	1½"	£2.75	£26.40
147	2"	£3.00	£28.80



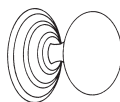
Picture Wire

Code	Length	Price	
		each	Per 10
044	6 Metre	£1.39	£11.82



Victorian Style Brass Door Knobs

Code	Size	Price	
		each	per 10
140	1"	£1.51	£14.50
141	1¼"	£2.35	£22.56
142	1½"	£2.75	£26.40
143	2"	£3.00	£28.80



Safety Hasp & Staples

Japanned Code	Size	Price	
		each	per 10
FB128	3"	£0.85	£8.08
FB129	4"	£0.97	£9.22



Chrome Handles

Code	Description	Size	Price	
			each	per 10
204BF	Back Fix with screws	4"	£0.72	£6.48

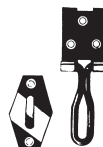


Hasp & Staple with Lock

75mm	£3.77
100mm	£5.29

Wire Hasp & Staples

Japanned Code	Size	Price	
		each	per 10
FB126	3"	£0.40	£3.80
FB127	4"	£0.48	£4.56



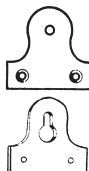
Steel Split Pins

Code	Size	Price per 100
BC01	7/8"x1.1/16"	£2.02
BC02	1.1/4"x3/32"	£3.35
BC03	1.1/2"x1/8"	£4.29
BC04	1.1/2"x5/32"	£5.13



Glass Plates (Brassed)

Code	Size	Price	
		each	per 10
174 hole	1¼"	£0.18	£1.62
175 hole	1½"	£0.23	£2.07
176 slot	1¼"	£0.22	£1.98
177 slot	1½"	£0.29	£2.61



Picture Pins & Frame Turns

Code	Description	Price
041	Brass Headed Picture Pins	£5.81 per 130
408	Knurled Head Picture Pins	£6.57 per 100
074	½" EB Small Picture Frame Turns	£3.75 per 200
075	¾" EB large Picture Frame Turns	£4.42 per 200

041 408 075 074



Hardware

Single Picture Hooks (Inc Pins)

Code	Description	Price
035	Size 0 Brass	£5.14 per 200
036	Size 0 Bronze	£5.54 per 200
037	Size 2 Brass	£3.99 per 100
038	Size 2 Bronze	£4.32 per 100



Jointing Screws

Code	Colour	Price per 25
FB341	White	£4.18
FB342	Brown	£4.19



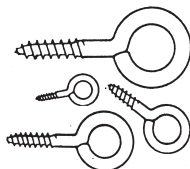
Crocodile Clips

Code	Description	Price
BE23	5 Amp	£4.51 per 20
BE24	25 Amp	£6.25 per 10



Steel Screw Eyes BZP

Code	Length	Gauge	Dia	Price
155	25	4	13mm	£3.29 per 100
111	30	6	15mm	£4.66 per 100
156	35	8	17mm	£5.25 per 75
112	40	8	17mm	£5.49 per 75
113	45	10	21mm	£5.54 per 50
114	55	12	26mm	£5.25 per 30
115	65	14	27mm	£5.77 per 25
116	75	18	34mm	£7.59 per 20



Curtain Wire Hooks & Eyes

Code	Type (Boxed)	Length	Dia	Price (200)
168	Hooks	24mm	11mm	£2.93
169	Eyes	24mm	11mm	£2.94



Connector Strips

Code	Size	Price
BE12	Small	£6.96 per 10
BE13	Medium	£8.23 per 10
BE14	Large	£9.43 per 10



Hat and Coat Hooks

Code	Description	Price per 10
125	Aluminium - Satin	£5.58
126	Chrome	£8.23
129	Electro Brass	£8.24

125



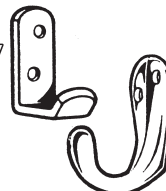
126/129



Robe Hooks

Code	Description	Price per 10
127	Aluminium - Satin	£4.39
128	Chrome	£4.46
130	Electro Brass	£4.47

127



128/130

Hardware

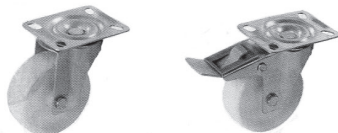
Castors

Polypropylene Swivel Castor.

Code	Size	Price each
FB201	50mm 50kg	£0.85
FB202	75mm 70kg	£2.55
FB203	100mm 125kg	£3.35
FB204	125mm 160kg	£4.32

Polypropylene Swivel Castor with brake.

Code	Size	Price each
FB301	50mm 50kg	£1.66
FB302	75mm 70kg	£2.88
FB303	100mm 125kg	£4.12
FB304	125mm 160kg	£6.07



ISO Metric Shakeproof Washers

A range of bright zinc plated and clear passivated shakeproof steel washers. In packs of 100.

Code	Size	Price
33-1905	M2.5 Shakeproof	£0.75
33-1910	M3 shakeproof	£0.95
33-1915	M4 shakeproof	£1.05

Felt Protective Pads

A pack of self adhesive felt protective pads suitable for a wide variety of uses such as attaching to the base of electronic components or chess pieces etc. Each pack consists of 20 pads of the following sizes: 10 x 12.5mm (1/2") 8 x 19mm (3/4") 2 x 38mm (1 1/2").

Code		Price per Pk
M1522	Felt Protective Pads	£0.49

Butterfly Hinges

Electro Brassed

Code		Price per Pr
M825	40mm Butterfly Hinges	£0.75
M826	50mm Butterfly Hinges	£0.95



Mini Brass Hinges

Thin gauge brass hinges for pin fastening as opposed to screw fastening. Complete with pins

Code		Price per 10 Pr
M875	12.5mm (1/2")	£5.05
M876	19mm (3/4")	£5.63
M877	25mm (1")	£7.09
		Price per 100
SP100	Spare pins	£3.90

Paper Drills

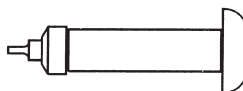
Code	Size	Price each
1010-003	3mm dia	£12.55
1010-004	4mm dia	£12.55
1010-006	6mm dia	£12.55

Replacement Drills:

1010-103	3mm dia	£2.75
1010-104	4mm dia	£2.75
1010-106	6mm dia	£2.75

Drill complete with 3 interchangeable heads

1010-346	Drill with Set of 3	£17.44
----------	---------------------	--------



Self Adhesive Cabinet Feet

A range of black self adhesive rubberised feet with good non slip properties. When the backing sheet is removed, the strong permanent adhesive secures the feet to the surface of the product.

Code	Style	Dia	Height
SA31-0415	B	10mm	4.0mm
SA31-0445	A	11.1mm	5.0mm
SA31-0455	B	20mm	6.2mm



Code	Quantity	Price per Pack
SA31-0415	121	£3.65
SA31-0445	121	£3.99
SA31-0455	56	£4.99

Furniture Timber and Board Fixings

Insert Nuts for Flush Fitting

Insert nuts provide a strong, permanent thread for wood and wood based sheets.

Code	Type and size	Price per 50
IND61	Type D M6x13mm	£2.55
IND62	Type D M6x20mm	£4.30

Pronged Tee Nuts

The prongs will stop the T nut from turning when the fixing is being tightened. These nuts are used to provide a threaded socket in wood.

Code	Size	Price per 10
PTN6	M6x9mm	£2.35
PTN8	M8x11mm	£3.99

Cross Dowels

Code	Size	Price per 50
CRD64	M6x14mm	£3.99
CRD66	M6x16mm	£4.99

Inter Screws

Join board or carcass units together. Male and female parents screw together to give a strong tight fixing. For use with 28-36mm material.

Code	Size	Price per 10
INS4	M4	£2.99
INS6	M6	£2.79

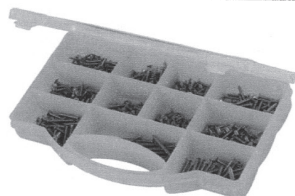
Stainless Steel Self-Tappers Pack

570 piece A2 stainless steel self-tapping countersink pozidrive screw set supplied in a handy storage case.

Includes assorted sizes; 4x3/8", 4x1/2", 4x3/4", 6x1/2", 6x5/8", 6x3/4", 6x1", 6x1.1/4", 8x1", 8x1.1/4" and 8x1.1/2".

Code	Contents	Price per Set
STP-C570	570 pieces	£11.30

216



Joint Connecting Bolts and Nuts

Code	Type and size	Price per 50
JCB62	Bolts M6x25mm	£2.90
JCB63	Bolts M6x30mm	£3.65
JCB65	Bolts M6x45mm	£4.20
JCN62	Nuts M6x12mm	£4.99
JCN67	Nuts M6x17mm	£5.99

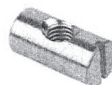
Insert Nut Type D



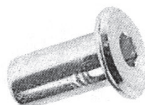
Pronged Tee Nut



Cross Dowels



Joint Connecting Bolt and Nuts



Inter Screws

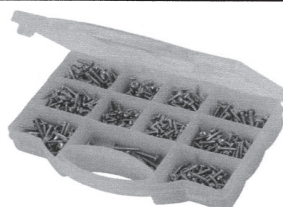


Pan Head Self-Tappers Pack

750 piece self-tapping pan head pozidrive screw set supplied in a handy storage case. Zinc plated for corrosion resistance.

Includes assorted sizes; 6x3/8", 6x1/2", 6x3/4", 8x5/8", 8x3/4", 8x1", 8x1.1/4", 10x1/2", 10x3/4", 10x1" and 10x1.1/4".

Code	Contents	Price per Set
STP-P750	750 pieces	£8.75



Chucks / Arbors / Keys

Industrial Chucks

Code	Capacity	JT	Key Required	Price
1A	0-1/4	1	K1(K30S)	£22.01
2A	0-3/8	2	K2(K32S)	£28.99
34	0-1/2	3	K3	£33.80
36	3/16-3/4	3	K4	£116.34

Keys

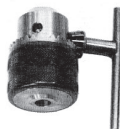
Code	Price
K1(K30S)	£3.42
K2	£4.30
K3	£4.45
K4	£6.90



Drill Chucks

Metabo (38mm collar)
Skil - Wolf - Makita
3/8" x 24 - Female thread

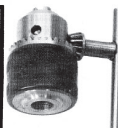
Code	Size	Price
2610	10mm/3/8" chuck	£14.73
2612	13mm/1/2" chuck	£17.70



Drill Chucks

AEG - Bosch - Metabo
(43mm collar) Fein - Kress
Makita - Hitachi
1/2" x 20 Female thread

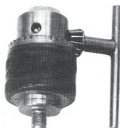
Code	Size	Price
2600	10mm/3/8" chuck	£14.78
2603	13mm/1/2" chuck For reversing drills with 6.5mm screw hole.	£20.16



Drill Chucks

Black & Decker
3/8" x 24 Male thread

Code	Size	Price
2620	10mm/3/8" chuck	£14.28
2622	13mm/1/2" chuck	£17.62



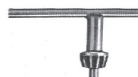
Arbors

Morse Taper	Jacobs Taper	Price
1	6	£7.99
2	6	£8.67
3	6	£10.73
4	6	£16.91
2	3	£8.70
1	2	£5.59
2	2	£6.10
3	2	£7.52
4	2	£15.08
1	1	£5.59
2	1	£6.10
3	1	£7.52



13mm/1/2" keyless chuck
for percussion drills.

Code	Price
2606	£48.28

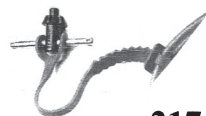


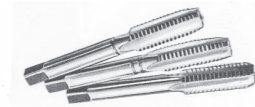
Chuck Keys

Code	To Fit	Price
2630	AEG - Bosch Metabo - Fein Kress - Rohm Wolfcraft etc. DIN 6349 - S2A (Rohm)	£2.42
2632	Black & Decker 6-10mm. Jacobs K6 (S14 Rohm)	£2.35
2634	Black & Decker 13mm. Jacobs K30 (S8 Rohm)	£3.99

Drill Chuck Key Strap

Code	Price
1333	£1.57





Taps & Dies



Iso Metric

		High Speed Steel					Carbon Steel				
		Taps Taper Sec Plug	Dies				Taps Taper Sec Plug	Dies			
Size	Pitch	Price	13/16	1	1.5/16	1.1/2	Price	13/16	1	1.5/16	1.1/2
2.0	0.40	£6.91	£18.16				£4.48	£10.13			
2.2	0.45	£7.04	£18.16				£4.04	£10.13			
2.5	0.45	£5.82	£18.16				£3.28	£10.13			
3.0	0.50	£4.06	£10.65				£2.37	£6.25			
3.5	0.60	£4.27	£13.37				£2.43	£7.79			
4.0	0.70	£4.55	£10.65				£2.11	£6.25			
4.5	0.75	£5.94	£13.37				£2.83	£7.79			
5.0	0.80	£3.88	£10.65				£2.22	£6.26			
6.0	1.00	£4.08	£10.65	£12.57	£23.12		£2.26	£6.26	£7.36		
7.0	1.00	£6.31	£13.37	£16.12	£23.13		£3.61	£7.79	£9.53	£12.09	
8.0	1.25	£4.42		£12.47	£18.76		£2.53		£7.36		
9.0	1.25	£7.53		£16.12	£23.13		£4.31		£9.53	£12.09	
10.0	1.50	£5.71		£12.57	£18.76		£3.24		£7.36	£12.09	
11.0	1.50	£9.24			£23.13		£5.28		£9.53	£12.09	
12.0	1.75	£8.03			£18.76		£4.56		£7.36		
14.0	2.00	£9.60			£18.76	£22.51	£5.49			£13.19	£13.19
16.0	2.00	£12.16				£22.51	£6.95				£13.19

Please Specify Taps by Taper or Second or Plug

BSW British Standard Whitworth

		High Speed Steel					Carbon Steel			
		Taps Taper Sec Plug	Dies				Taps Taper Sec Plug	Dies		
Size	TPI	Price	13/16	1	1.5/16		Price	13/16	1	1.5/16
1/16	60	£31.44	£43.82				£16.66	£19.68		
3/32	48	£20.50	£43.82				£16.66	£19.68		
1/8	40	£11.92	£16.44				£4.80	£9.01		
5/32	32	£11.25	£22.29				£6.27	£12.23		
3/16	24	£5.16	£16.44				£3.23	£9.03		
7/32	24	£7.29	£22.29				£4.05	£12.23		
1/4	20	£4.66	£13.19	£15.57	£28.58		£2.67	£7.21	£8.52	£14.81
5/16	18	£5.27		£15.57	£28.58		£3.01		£8.52	£14.81
3/8	16	£6.69		£15.57	£23.16		£3.94			£11.36
7/16	14	£9.52			£23.16		£5.55		£11.36	£11.36
1/2	12	£9.52			£23.16		£5.55		£11.36	£11.36
9/16	12	£12.46			£28.58		£7.21		£13.95	£13.95

Please Specify Taps by Taper or Second or Plug

Taps & Dies

BSF British Standard Fine

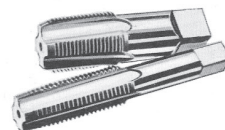
		High Speed Steel				Carbon Steel			
		Taps	Dies			Taps	Dies		
Size	TPI	Price	13/16	1	1.5/16	Price	13/16	1	1.5/16
3/16	32	£6.31	£20.39			£2.61	£8.44		
7/32	28	£7.29	£33.86			£3.73	£10.48		
1/4	26	£4.66	£13.19	£15.57	£28.58	£2.47	£6.72	£7.92	£14.52
9/32	26	£10.74				£5.54		£12.77	
5/16	22	£5.27		£15.57	£28.58	£2.77		£7.92	
3/8	20	£6.69		£15.57	£23.16	£3.66		£7.92	£11.81
7/16	18	£9.52			£23.16	£5.15			£11.81
1/2	16	£9.52			£23.16	£5.15			£11.81
9/16	12	£12.46			£28.58	£6.70			£14.55

Please specify Taps by Taper or Second or Plug

BA British Association

		High Speed Steel		Carbon Steel	
		Taps	Dies	Taps	Dies
Size	TPI	Price	13/16	Price	13/16
0	25.4	£4.65	£17.96	£2.43	£9.17
1	28.2	£7.14	£24.02	£3.74	£12.24
2	31.4	£4.54	£17.96	£2.38	£9.17
3	34.8	£7.14	£24.02	£3.74	£12.25
4	38.5	£4.54	£17.96	£2.38	£9.17
5	43.0	£7.14	£17.96	£3.74	£9.17
6	47.9	£4.54	£17.96	£2.39	£9.17
7	52.9	£10.27	£24.02	£5.20	£12.24
8	59.1	£6.70	£24.02	£3.48	£12.24
9	65.1	£19.45	£28.37	£9.94	£14.51
10	72.9	£14.72	£28.37	£7.47	£14.51

Please specify Taps by Taper or Second or Plug



BSB British Standard Brass

		High Speed Steel		Carbon Steel		
		Taps		Taps	Dies	
Size	TPI	Price		Price	13/16	1
1/4	26	£4.97		£2.50	£7.98	
5/16	26	£7.89		£4.03		£10.04
3/8	26	£11.24		£5.72		£10.04
7/16	26	£15.04		£7.62		£15.27
1/2	26	£15.06		£7.62		£15.27
9/16	26	£16.66		£10.57		
5/8	26	£19.03		£10.58		

Please specify Taps by Taper or Second or Plug

Taps & Dies Box Sets

HSS Taps & Dies Box Sets

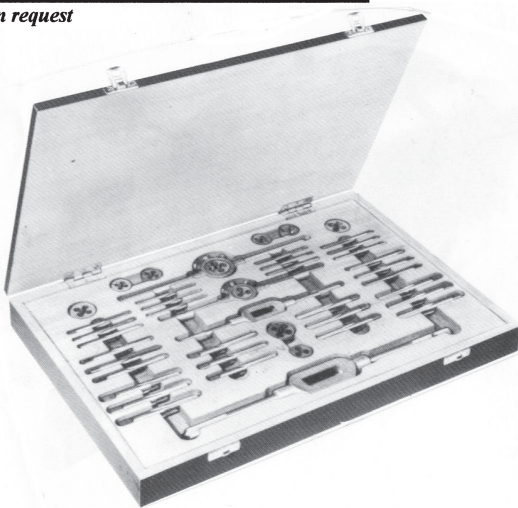
Code	Thread Form	Sizes in Box (Sets of 2 Taps)	Price
TDH1	BA	0, 1, 2, 3, 4, 5, 6	£238.78
TDH2	BA	0, 1, 2, 3, 4, 5, 6, 7, 8	£304.85
TDH3	BA	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	£408.67
TDH4	BSW or BSF	1/4, 5/16, 3/8, 7/16, 1/2	£248.22
TDH5	UNC or UNF	1/4, 5/16, 3/8, 7/16, 1/2	£188.77
TDH6	BSW or BSF	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	£378.47
TDH7	UNC or UNF	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4	£341.67
TDH8	BSW or BSF	1/4, 5/16, 3/8, 7/16, 1/2, 3/8, 3/4, 7/8, 1	£633.31
TDH9	UNC or UNF	1/4, 5/16, 3/8, 7/16, 1/2, 5/8, 3/4, 7/8, 1	£566.30
TDH10	MM COARSE	2, 2.5, 3, 3.5, 4, 5, 6	£175.55
TDH11	MM COARSE	6, 7, 8, 9, 10, 11, 12	£242.57
TDH12	MM COARSE	6, 7, 8, 9, 10, 12, 14, 16, 18, 20	£475.68
TDH13	MM COARSE	14, 16, 18, 20, 22, 24	£507.77

CSCT Taps & Dies Box Sets

Code	Thread Form	Sizes in Box (Sets of 2 Taps)	Price
TDC1	BSW	1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	£142.76
TDC2	BSF	3/16, 1/4, 5/16, 3/8, 7/16, 1/2	£139.21
TDC3	UNC	1/4, 5/16, 3/8, 7/16, 1/2	£139.81
TDC4	UNF	1/4, 5/16, 3/8, 7/16, 1/2	£139.57
TDC5	MM COARSE	2, 2.5, 3, 3.5, 4, 5, 6	£96.75
TDC6	MM COARSE	3, 4, 5, 6, 8, 10, 12	£132.13
TDC7	BA	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10	£146.30
TDC8	BSB	1/4, 5/16, 3/8, 7/16, 1/2	£153.37

Other sizes available on request

Each Box Contains Sizes as listed and Tapwrenches and Die Stocks to suit.



Tap Wrenches / Die Stocks

Circular Diestocks

For Circular Split Dies to BS1127(1950)

Series No: 06-4740

Capacity	Price each
13/16"	£4.96
1"	£6.49
1.5/16"	£10.35
1.1/2"	£12.39



Adjustable Tapwrench

Series No: 06-192C

Capacity	Price each
1/16 - 1/4"	£9.46
1/16 - 3/8"	£10.23
1/8 - 1/2"	£11.98
1/4 - 3/4"	£16.30



Bar Type Tapwrench

Series No: 06-192B

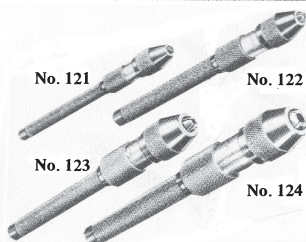
Capacity	Price each
1/16 - 1/4"	£7.31
1/8 - 1/2"	£10.47



Pin Vices

Used for holding round material, having hollow handles. Materials of any length can be handled.

Code	Capacity	Price each
121	0 - 1.0mm	£6.59
122	0.75 - 1.5mm	£7.02
123	1.4 - 3.1mm	£7.53
124	3.1 - 5.0mm	£10.41
120	Set of 4 of above	£31.17



Eclipse Chuck Type Tap Wrenches

The chuck jaws are stepped which greatly extends the range of taps each wrench will accept.

Supplied complete with Tommy bar.

Code	Size	Price
E141	50mm(1.15/16") long. Tommy bar 57mm(2 1/4") Square Cap 1-2.8mm(3/64-7/64)	£8.50
E142	65mm(2.11/16") long. Tommy bar 90mm(3 1/2") Square Cap 2.8-5mm(7/64-3/16)	£9.01
E143	90mm(3 1/2") long. Tommy bar 127mm(5") Square Cap 4-8mm(5/32-5/16)	£12.23

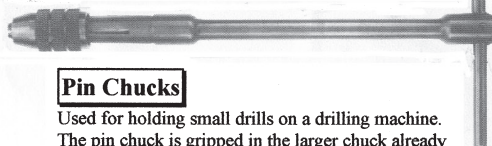


No. 143

Eclipse Long Reach Chuck Type Tap Wrenches

Same type of stepped chuck as Patterns E141 to E143 but with longer stem, designed to simplify tapping in awkward situations by lifting the Tommy bar clear of obstructions.

Code	Size	Price
E145	165mm(6 1/2") long. Tommy bar 90mm(3 1/2") Square Cap 2.8-5mm(7/64-3/16)	£33.90
E146	258mm(10") long. Tommy bar 127mm(5") Square Cap 4-8mm(5/32-5/16)	£37.60

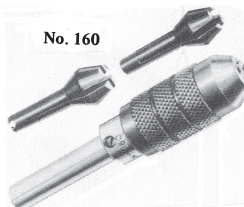


Pin Chucks

Used for holding small drills on a drilling machine. The pin chuck is gripped in the larger chuck already on the machine. Used also on automatic lathes, the pin chuck not revolving.

Supplied with three interchangeable collets.

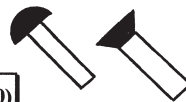
Code	Description	Price
160	Length 65mm(2.56") Capacity 0.25-2.5mm(0.01-0.1)	£17.80



No. 160



Rivets & Riveters



Rivets (Priced per 450g)

Mild Steel - Soft Iron

Available in the following lengths:

1/4" 3/8" 1/2" 5/8" 3/4" 1" 1 1/4" 1 1/2"

Please Specify: CSK or RD or Flat Head

Dia	1/8	5/32	3/16	1/4
Price	£6.39	£6.29	£6.09	£5.66

per 450gms

Rivets - Aluminium

Available in the following lengths:

1/4" 3/8" 1/2" 5/8" 3/4" 1" 1 1/4" 1 1/2"

Please Specify: CSK or RD or Flat Head

Dia	1/8	3/16	1/4
Price	£16.99	£16.64	£15.05

per 450gms

Pop - Blind Rivets Boxed 200



ALUMINIUM

Code	Size	Length	Price	
			Per 200	Per 1000
A424	1/8"	6.5mm	£5.16	£24.51
A429	1/8"	8mm	£5.26	£24.99
A435	1/8"	10mm	£5.82	£27.65
A453	1/8"	12mm	£9.76	£46.36
A527	5/32"	6mm	£5.64	£26.79
A535	5/32"	8mm	£5.95	£28.26
A541	5/32"	10mm	£6.19	£29.40
A556	5/32"	12mm	£9.30	£44.18
A631	3/16"	8mm	£7.55	£35.86
A639	3/16"	10mm	£8.43	£40.04
A647	3/16"	12mm	£8.22	£39.05
A672	3/16"	14mm	£14.42	£68.50

STEEL

Code	Size	Length	Price	
			Per 200	Per 1000
S424	1/8"	6.5mm	£7.19	£34.15
S429	1/8"	8mm	£8.22	£39.05
S435	1/8"	10mm	£9.09	£43.18
S527	5/32"	6mm	£8.52	£40.47
S535	5/32"	8mm	£9.24	£43.89
S541	5/32"	10mm	£10.92	£51.87
S631	3/16"	8mm	£12.34	£58.62
S639	3/16"	10mm	£15.17	£72.06
S647	3/16"	12mm	£16.11	£76.52
S672	3/16"	14mm	£20.13	£95.62

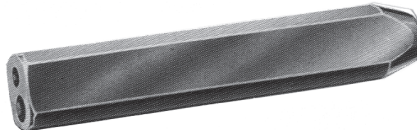
Rivets (Priced per 100)

Size	Copper		Brass	
	RD	CSK	RD	CSK
1/8x3/8"	£4.51	£4.12	£4.27	£3.91
1/8x1/2"	£5.04	£4.61	£4.78	£4.38
1/8x3/4"	£6.76	£6.29	£6.42	£5.97
1/8x1"	£8.43	£8.01	£8.02	£7.61

Riveters

Combined (Snap & Set)

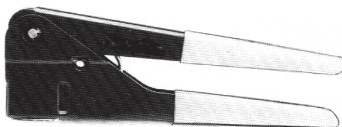
Size:	3/32	1/8	5/32	3/16	1/4
Price:	£5.59	£5.65	£6.20	£6.30	£9.25



Riveters

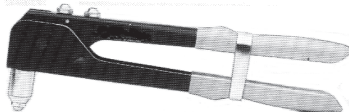
Swinghead Riveter with 2 noses for 3mm (1/8") and 4mm (5/32")

Price: £9.59



Heavy Duty Riveter with 3 noses for 3mm (1/8") 4mm (5/32") and 5mm (3/16") rivets in cardboard box.

Price: £21.37



Lazy Tong Riveter with 3 noses for 3mm (1/8") 4mm (5/32") and 5mm (3/16") rivets in cardboard box.

Price: £34.89

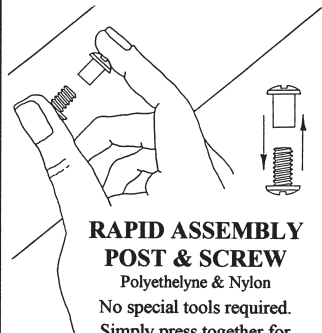
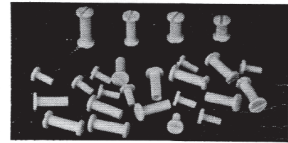


Rapid Assembly Post And Screw

Polyethylene & Nylon. No Special Tools Required. Simply press together for fast, easy assembly.
Ideal for joining Correx, Paper, Fabrics, Plastics etc.

The Slotted Screws may be unscrewed and re-used.

Code	Headstyle	Capacity	Price per 100
2500250BW	Slotted	6mm/1/4"	£5.81
2500250TW	Unslotted	6mm/1/4"	£5.99
2500375BW	Slotted	9mm/3/8"	£6.06
2500375TW	Unslotted	9mm/3/8"	£6.15
2500500BW	Slotted	12mm/1/2"	£6.10
2500500TW	Unslotted	12mm/1/2"	£6.20
2500750BW	Slotted	19mm/3/4"	£6.37
2500750TW	Unslotted	19mm/3/4"	£6.52
2501000BW	Slotted	25mm/1"	£10.11
2501000TW	Unslotted	25mm/1"	£10.44
2501250BW	Slotted	32mm/1 1/4"	£10.35
2501250TW	Unslotted	32mm/1 1/4"	£10.57
2501375BW	Slotted	35mm/1.3/8"	£10.41
2501375TW	Unslotted	35mm/1.3/8"	£10.66
2501500BW	Slotted	40mm/1 1/2"	£10.57
2501500TW	Unslotted	40mm/1 1/2"	£10.71
2501750BW	Slotted	45mm/1 3/4"	£10.72
2501750TW	Unslotted	45mm/1 3/4"	£10.97
2502000BW	Slotted	50mm/2"	£11.06
2502000TW	Unslotted	50mm/2"	£11.29

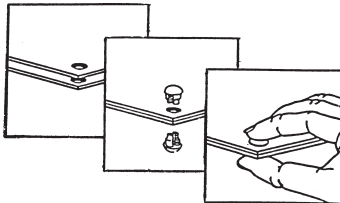


RAPID ASSEMBLY POST & SCREW

Polyethylene & Nylon
No special tools required.
Simply press together for
Fast, easy assembly.

Ratchet Rivets

Code		
CRR100	Price per 100 pieces	£14.16
CRR1000	Price per 1000 pieces	£127.44

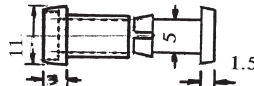


Plastic Rivets

Ideal for Joining of Correx etc.

4 Colours: Black - Red - Blue - White

Code	Capacity	Price per 100
PLASR 5	5mm	£7.35
PLASR 8	8mm	£7.83



Paints

Spray Paints

High quality colours for interior or exterior use on wood, metal, ceramics. Fast drying, safe on toys, CFC free. Available in 400ml sizes.

Code	Colour	Price per 400ml
	Gloss	
S6509	White	£3.99
S6512	Black	£3.99
S6629	Bright Red	£3.99
S1054	Blue	£3.99
S6591	Erin Green	£3.99
S6557	Yellow	£3.99
S6543	Orange	£3.99
	Matt	
S6632	White	£3.99
S6646	Black	£3.99
	Primers	
S6680	White	£3.99
S6797	Grey	£3.99
	Metallics	
S6601	Gold	£3.99
S6615	Silver	£3.99
	Varnish	
S6663	Supa Gloss	£5.25
S6841	Polyurethane	£5.75
	Stove	
S6810	BBQ & Stove	£5.89

Standard Brush

Colours	250ml	500ml
Gloss Black, White, Brown, Orange, Yellow, Green, Red & Blue	£3.75	
Aluminium		£8.19
Aluminium Wood Primer		£6.50
Blackboard Black		£6.26
Gloss Black		£6.60
Matt Black		£5.85
Satin Black		£5.89
Red Oxide primer		£5.79
Wood primer		£5.95
White Undercoat		£5.80

Acrylic Paints

Fast drying, hard and durable finish, Multi use, safe for toys, colours intermixable.

Available in 50ml & 100ml sizes.

50ml £2.05ea **100ml** £3.12ea

Silver and Gold Surcharge 40%

Code	Colour	Code
50ml		100ml
Q0037	Emerald Green	-
Q0040	Brunswick Green	Q5022
Q0160	French Blue	Q5142
Q0174	Midnight Blue	-
Q0201	Orange	-
Q0215	Bright Red	Q5200
Q0232	Gloss Black	Q5228
Q0246	Gloss White	Q5231
Q0366	Matt Black	Q5351
Q0383	Matt White	-
Q0770	Yellow	Q5749
Q0126	Silver	Q5111
Q0118	Gold	Q5173

Humbrol Enamel Paints

Code	Colour	Price per	
		50ml	100ml
AQ0174	Med Blue	£2.42	£3.99
AQ0160	French Blue	£2.42	-
AQ0383	Matt White	£2.42	£3.99
AQ0188	Gold	£2.42	-
AQ0097	Tan	£2.42	£3.99
AQ0098	Service Brown	£2.42	-
AQ0099	Ivory	£2.42	£3.99
AA0120	Silver	£2.42	-
AQ0201	Orange	£2.42	-
AQ0093	Dark Grey	£2.42	-

Hammerite

Hammered Gloss: Black, White, Dark Green, Copper, Silver, Gold(250ml only).

Smooth Gloss: Black, White, Blue, Dark Green, Yellow, Red, Gold, Silver, Muted Clay.

	250ml	750ml
All Colours Hammered	£5.75	£14.49
All Colours Smooth	£5.72	£14.45
Thinners	£4.99	

Paint and Printing

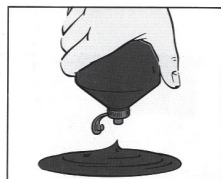
Ready Mixed Paint 500ml

A rich liquid poster paint, used straight from the squeeze bottle. Mix your own colours. Can be diluted with water.

Mixes easily with Marvin or Merlin.

Colours - White, Brilliant Red, Crimson Red, Vermilion Red, Ultramarine Blue, Cobalt Blue, Cyan Blue, Prussian Blue, Mid Yellow, Lemon Yellow, Yellow Ochre, Orange, Leaf Green, Green, Viridian Green, Purple, Black, Cerise, Turquoise, Sienna Brown, Burnt Umber.

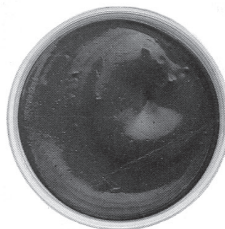
Code	Description	Price each
RMX	Ready Mixed Paint	£2.24



Acrylic Paint 500ml

Colours - Purple, White, Mid Yellow, Black, Brilliant red, Cerise, Green, Cyan Blue, Ultramarine Blue.

Code	Description	Price each
ACR	Acrylic Paint	£5.98

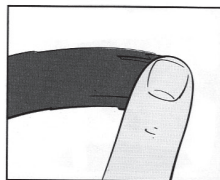


Finger Paint 200ml

A specially developed formula for use as a finger paint. It won't spill or run, doesn't stain skin or clothes, and is completely non-toxic. It can even be used as a substitute for stage make-up.

9 Colours - Black, Brilliant Blue, Brown, Brilliant Green, Orange, Brilliant Red, Violet, White, Brilliant Yellow.

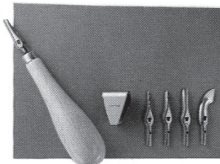
Code	Description	Price each
FING	Finger Paint	£3.27



Lino Blocks

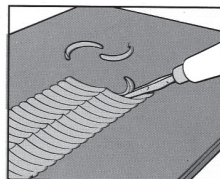
Traditional lino material available unmounted in four sizes.

LNBK76	75 x 75mm	£0.75
LNBK152	150 x 100mm	£1.45
LNBK203	200 x 150mm	£2.85
LNBK305	305 x 300mm	£8.50



Lino Cutting Tools

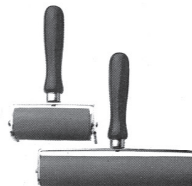
LBCT	Set of five assorted blades and graver-type holder.	£4.90
LBCT25	25 assorted blades.	£9.59
LBCTH	Holder only.	£1.74



Rollers

Top quality rollers.

ROLL100	Deluxe 100mm	£13.17
ROLL200	Top Quality 200mm	£17.22
ROLL102	Standard 101mm	£4.83



Paint

Colour Tubs

An extremely successful alternative to the more expensive tubes of gouache. Semi-moist water based poster paint of really high quality.

Colours - Black, Ultramarine Blue, Brilliant Blue, Cobalt Blue, Brilliant Green, Leaf Green, Orange, Brilliant Red, Burnt Umber, White, Mid Yellow, Yellow Ochre.

Code	Description	Price
CT	Colour Tubs any colour	£1.90

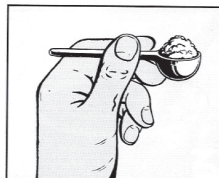


Powder Colour 450gm & 2.25Kg

A water-soluble paint. Specially formulated for superb colour intensity. Easy to mix and control consistency.

Colours - Black, Brilliant Blue, Cobalt Blue, Brilliant Green, Leaf Green, Orange, Purple, Brilliant Red, Burnt Sienna, Turquoise, Burnt Umber, White, Mid Yellow, Lemon Yellow, Yellow Ochre.

Code	Description	Price
PCD	450gm	£2.16
PCBK	2.25Kg	£7.15

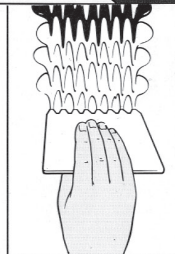
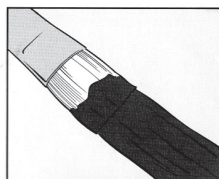


Cromar 500ml

A unique transparent water-colour which dries to a rich semi-gloss finish. When applied to a surface, the colours don't blend like ordinary paints - yet they can be mixed conventionally in the palette. Ideal for stained glass effects.

Colours - Black, Ultramarine Blue, Crimson Red, Green, Orange, Brilliant Red, Burnt Umber, Violet, White, Mid Yellow.

Code	Description	Price
CROMX	Cromar 500ml	£3.18



Metallic Cromar 500ml

Code	Description	Price
CRPA	10 Assorted Colours	£35.65



Paint

Colour Blocks

Strong smooth colours ideal for the classroom. At the senior level the finely grained formulation gives superb control and easy lift into brushes. At junior level they don't crumble when wetted excessively.

Available in two sizes:

Colours - Black, Brilliant Blue, Green, Orange, Purple, Ostwald Red, Brilliant Red, Burnt Sienna, Burnt Umber, White, Brilliant Yellow, Yellow Ochre.

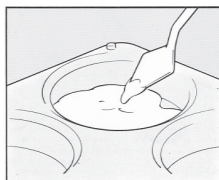
Code	Description	Price
No 1 45mm x 15mm		
CB1	Box of 10 one colour	£3.67
CB1A	Box of 10 assorted	£3.65
No 2 57mm x 19mm		
CB2	Box of 10 one colour	£5.05
CB2A	Box of 10 assorted	£5.02



Marvin Medium

A superb craft and painting medium with a polyvinyl Acetate base. Dries almost transparent, it can be mixed with almost any pigment without loss of brilliance. Ideal for modelling, mixing, sticking, glazing or as a strong adhesive on porous material.

Code	Description	Price
MVM500	500ml bottle	£2.49
MVM1L	1 litre bottle	£3.64
MVM5L	5 litre bottle	£16.24



Merlin Medium

A junior version of Marvin, with most of its properties. The big difference is that Merlin is formulated to wash easily from brushes and clothes.

Code	Description	Price
MERL5	5 litre bottle	£16.50



Painting Accessories

Mixing Palettes

PAL6WEC

A versatile and economical 215mm x 150mm palette which can hold No 2 Colour Blocks.

Price each

PAL6WEC £1.30

PAL6WEL

165mm x 115mm palette which can hold No 1 Colour Blocks.

Price each

PAL6WEL £1.25

PAL9WEL

Lightweight plastic tray 280mm square with nine wells. Extra wells allow mixing of colours.

Price each

PAL9WEL £1.76

PAL11WEL

Rigid mixing palette 150mm x 200mm with 11 mixing wells and slanted base.

Price each

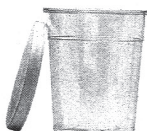
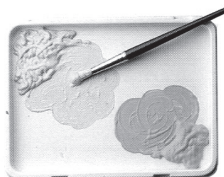
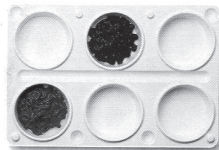
PAL11WEL £1.62

PALREC

A 225mm x 182mm economy palette for mixing colours.

Price each

PALREC £1.65



Mixing Pots

Snap secure range complete with lids. Manufactured from high impact Polypropylene with Polyethylene caps.

Code	Dia	Height	Price per 10
E14555	49mm	85mm	£3.50
F26555	62mm	90mm	£5.50
G53055	75mm	130mm	£7.40

Fillers & Cleaners

Wood Filler

WFN100	Natural 100g	£2.57
WFL100	Light 100g	£2.57
WFM100	Medium 100g	£2.57
WFD100	Dark 100g	£2.57
WFW100	White 100g	£2.57
WFN325	Natural 325g	£5.93
WFL325	Light 325g	£5.93
WFM325	Medium 325g	£5.93
WFD325	Dark 325g	£5.93
WFW325	White 325g	£5.93
WFN600	Natural 600g	£3.55

Grainfiller

GFN230	Natural 230g	£3.38
GFM230	Mahogany 230g	£3.38
GFO230	Oak 230g	£3.38
GFT230	Teak 230g	£3.38

Knotting

KNOT3	Knotting 300ml	£5.87
KNOT1	Knotting 1ltr	£12.86

Repair Metal & No More Nails

RM25	Repair Power Epoxy Metal 25ml	£4.99
NMNT	No More Nails 234g	£5.75
NMNC	No More Nails 365g	£6.49

Strypit (Paint Remover)

New Formula. May be rinsed with water or white spirit

STPR5	Strypit 500ml	£7.73
STPR1	Strypit 1ltr	£13.84

Putty

PUT5	Putty 500g	£2.09
PUT1	Putty 1kg	£2.95

Turpentine (Pure)

TPP5	500ml	£6.42
TPP4	4ltr	£45.36

Turps Sub

TUR2	2ltr	£3.45
TURC	Case (4x2ltr)	£13.39

White Spirit

WHS2	2ltr	£3.79
WHSC	Case (4x2ltr)	£14.71

Methylated Spirits

MET4	5ltr	£12.75
-------------	------	--------

Brush Cleaner (Liquid)

BCL2	2ltr	£7.99
-------------	------	-------

Rust Remover

RUSR125	125ml	£2.39
----------------	-------	-------

Tile Grout

TLG1	Tile Grout 1kg	£4.73
TLG3	Tile Grout 3Kg	£6.96

Tettrion All Purpose Filler

TETP5	Powder 500g	£2.96
TETP1	Powder 1.5kg	£5.74
TETR3	Ready Mixed 330g	£2.89
TETR6	Ready Mixed 600g	£4.33
TETR1	Ready Mixed 1kg	£5.99
TETR2	Ready Mixed 2kg	£11.15

Polyfilla Multi Purpose Filler

PLYP4	Powder 450g	£2.05
PLYP9	Powder 900g	£3.15
PLYP1	Powder 1.8Kg	£6.09
PLYR3	Ready Mixed 330g	£2.61
PLYR6	Ready Mixed 600g	£3.75
PLYR1	Ready Mixed 1kg	£5.07

Polishes

Teak Oil

Based on special vegetable oils and resins to give a quick-drying penetrating seal to Teak, Cedar and all bare woods. Easily applied by wiping over the surface with a cloth. Satisfactory for interior and exterior use.

500ml £6.59 **1 litre** £11.45 **5 litre** £41.86

Linseed Oil

Used by French polishers to lubricate the polishing rubber, oiling cricket bats and softening Linseed Oil Putty which has become stiff. Boiled Oil is Linseed Oil which has been heat treated so that it dries quicker. Neither oil should be used for oiling timber as a protective coating because they have poor durability. For this purpose Teak or Danish Oil should be used.

Raw 500ml £5.20 **2 litre** £18.22 **4 litre** £30.95

Boiled 500ml £5.45 **2 litre** £18.34 **4 litre** £31.26

Transparent Metal Lacquer

Gives a colourless film which does not darken and has excellent adhesion to chrome, brass, copper and silver.

125ml £3.33

Plastic Coating

Two part cold cure lacquer for use on wood, hardboard, cork and plastic laminates. Standard material is available in Clear and White. Extremely good adhesion to the surface. Can be burnished to a mirror-like gloss or rubbed down to a smooth, satin finish with steel wool and wax. Resistant to heat, solvents and abrasion. Does not darken on ageing. The best finish for all interior woodwork. Hard-dry within 2 hours of application. A clear Matt grade available, which dries to a dead-matt finish without any further treatment after application.

Clear Gloss & Hardener

250ml £8.53 **1 litre** £18.71 **4 litre** £55.37

Outfit containing 250ml lacquer, 63ml Hardener, 135ml Thinners, small Burnishing and instructions £16.15

Burnishing Paste 63ml £2.83

Thinners 500ml £8.02

Danish Oil

A new oil finish suitable for all types of timber. It differs from Teak Oil in that it contains special ingredients which prevent it drying to a gloss if it is used on timber that has already been heavily oiled. It is an easy-to-use wipe-on finish which brings out the beauty of timber, gives a natural, open-grained, soft lustrous finish. It is suitable for use interior or exterior and is recommended for pine. Excellent on turned woodwork.

500ml £7.16 **1 litre** £12.94 **5 litre** £47.25

Quick Drying MDF Sealer

MDF clear sealer is formulated with a water based acrylic emulsion which has a milky-white appearance whilst liquid but dries to a clear sealer. When Dry it can be painted or varnished with solvent or water based products. Brushes cleaned immediately in water.

500ml £4.84 **1 ltr** £8.55 **2.5 ltr** £19.67

Cellulose Sanding Sealer

Cellulose Sanding Sealer good for sealing timber as a finish in its own right. Quick drying.

5 litre Sealer £35.89 **5 litre Thinners** £25.37

Wood Dye(Stain)

10 shades which may be intermixed to make an infinite variety of natural wood shades. For use on bare wood prior to finishing. Quick drying penetrating stain. Does not raise the grain.

Colours: Pine, Light, Medium and Dark Oak, Walnut, Ebony, Red Mahogany, Brown Mahogany, Light Teak, Dark Teak

250ml £4.22 **1 litre** £12.30

Waxes

Beeswax Beads £17.56 Kg

Carnauba Cream £17.71 Kg

Paraffin Beads £6.99 Kg

Bison's Paste Wax Clear

500ml £7.75 **1 litre** £14.73

Liquid Beeswax Clear

500ml £10.71 **1 litre** £17.85

Stains & Polishes

Polish (Shellac Based)

Button Polish

Applied in the same way as French Polish. Gives harder and more orange colour finish. Called Button Polish because it is made from shellac in the shape of buttons approx. 75mm diameter.

300ml £6.03 **500ml** £9.29

Garnet Polish

A harder wearing polish with a mild orange tinge.

500ml £9.70 **1 litre** £16.97

French Polish

Made from pure flake shellac and alcohol. Still used extensively on high quality furniture and for renovating old furniture that does not require stripping. Although the appearance is excellent, it is easily marked by heat, solvents and abrasion.

500ml £7.88 **1 litre** £14.73

Varnish/Stain

Yacht Varnish

Containing tung oil to give good protection and long lasting durability on all exterior woodwork. Has excellent adhesion and will not flake or peel when correctly applied.

500ml £7.16 **1 litre** £12.75 **2½ litre** £26.16
5 litre £51.25

Acrylic Varnish

An acrylic resin dispersed in water.

A milky-white appearance whilst liquid, as are all emulsions, but dry to a clear transparent colourless film. The varnish also contains special coalescing agents, which make the particles of acrylic resin blend together as the water evaporates, to form a clear, transparent film.

Gloss **500ml** £6.68 **1 litre** £12.56
5 litre £48.57

Matt **500ml** £6.69 **1 litre** £12.57
5 litre £48.71

Satin **500ml** £6.70 **1 litre** £12.58
5 litre £48.54

Harringtons Metal Polish (Brasso)

Metal polish (replacement for Brasso)
200ml £3.03

White Polish

This is a French Polish made with bleached shellac. Used for bleached or light coloured woods when it is required to keep the colour as natural as possible. Also ideal for sealing wood prior to waxing.

1 litre £18.33 **2 litre** £36.32 **4 litre** £68.33

Sanding Sealer

A cloudy white shellac solution used instead of a grain filler on fine grained woods and as a sealer before waxing.

500ml £11.25 **1 litre** £17.81 **5 litre** £69.49

Concentrated Water Based Dyes

8 x 15ml concentrated dyes which can be mixed with water or wood dyes to create individual colours for colouring wood. They are intermixable and are light and fade resistant. Colours: Black, blue, brown, green, orange, red, white and yellow.

8 x 15ml pack £28.60

Polyurethane Varnish

Three clear, hard and durable finishes for all woodwork and cork. Available in high gloss, satin and matt. May be applied over wood dyes. For a wipe on finish use Teak or Danish Oil.

Gloss **500ml** £5.86 **1 litre** £11.10
2½ litre £24.38 **5 litre** £41.86

Matt **500ml** £5.87 **1 litre** £11.11
2½ litre £24.39 **5 litre** £41.87

Satin **500ml** £5.88 **1 litre** £11.12
2½ litre £24.40 **5 litre** £41.88

Varnish Stain (Gloss)

Available in various natural wood shades. A transparent, high gloss varnish stain, which does not obscure the natural grain of the wood. May be over-coated with Clear Stain or Matt Polyurethane if gloss is not required.

Available: Mahogany, Oak, Dark Oak, Pine and Teak
500ml £6.09 **1 litre** £11.08

Duraglit Silvo/Harringtons Wadding

Silvo £4.59 **Harringtons Wadding** £4.68

Liberon Woodcare Products

Wood Stopping

A solvent based, natural wood flour stopping for filling small holes, cracks and gaps.

- Quick drying
- Does not break-up
- Once hardened it can be sanded, stained, waxed and varnished

Colours: Neutral, Golden Pine, Antique Pine, Light Oak, Medium Oak, Dark Oak*, Georgian Mahogany, Victorian Mahogany*

*Not available in 500ml

Size	Price
125ml	£4.33
500ml	£12.29



Wood Filler

Multi-purpose water based filler for repairing surface damage to wood.

- Low odour
- Shrink and crack resistant
- Once hardened it can be sanded, stained, waxed and varnished

Colours: Neutral*, Antique Pine*, Dark Oak, Mahogany

*Not available in 25ml

Size	Price
25ml	£2.40
125ml	£3.85



Spirit Wood Dye

Dye for colouring dense hardwoods such as mahogany and oak.

- Ideal for colouring previously finished wood
- Easy to apply
- All colours are intermixable

Colours: Ebony, Georgian Mahogany, Light Oak, Medium Oak, Dark Oak, Tudor Oak, Antique Pine, Teak, Walnut

Size	Price
250ml	£4.99



Black Bison Paste Wax

Nourishes and protects all types of wood, including lacquers and French polishes.

- Highly lustrous and hardwearing
- Helps cover marks and scratches

Colours: Neutral, Medium Mahogany, Golden Pine

Size	Price
500ml	£7.75
1ltr	£14.73



Beeswax Paste

A traditional wax that nourishes wood and gives an authentic finish to furniture.

- Ideal for small surfaces and furniture
- Feeds wood and protects against excessive dryness

Size	Price
500ml	£10.30
1ltr	£19.57



Liquid Beeswax

A traditional wax that nourishes wood and gives an authentic finish to furniture.

- Ideal for use on large surfaces and furniture
- Feeds wood and protects against excessive dryness

Size	Price
500ml	£10.71
1ltr	£17.85



Burnishing Cream

Covers superficial scratches and revives dull and tired varnish. Removes haze, bloom and water marks. Also cleans ivory, brass fittings, mother of pearl, tortoise shell and papier mache.

- Suitable for use on varnish, lacquer and modern finishes

Size	Price
250ml	£6.73



Liberon Woodcare Products

Pure Tung Oil

A fine and pure oil, Tung oil is the premium oil for wood care.

- Ideal for use on food contact surfaces (kitchen worktops and chopping boards)
- Water, heat and alcohol resistant
- EN71 Part 3 approved - safe for toys

Size	Price
500ml	£9.09
1ltr	£16.64



Raw Linseed Oil

Traditional oil for nourishing and water proofing wood.

- Lubricant for adding to French polish to stop sticking
- Ideal for oiling cricket bats

Size	Price
500ml	£6.35



Teak Oil

Nourishes and enhances the natural beauty of hard exotic/oily wood: teak, iroko, rosewood etc.

- Suitable for interior and exterior use
- UV filter minimises fading from sunlight
- Provides a good, durable, water resistant finish

Size	Price
1ltr	£10.48
5ltr	£37.84



White Polish

Suitable for use on light woods such as maple and ash.

- Ideal for white or bleached woods

Colour: Milky White

Size	Price
500ml	£11.49
1ltr	£21.77



Button Polish

A traditional polish suitable for antique finishes.

- Covers blemishes and marks

Colour: Golden Brown

Size	Price
250ml	£6.25
500ml	£11.49
5ltr	£78.09



Superior Danish Oil

A mix of quality oils with added UV filter for protection against sunlight.

- Suitable for interior and exterior use
- Provides a soft satin sheen finish

Size	Price
1ltr	£11.85
5ltr	£44.73



Sanding Sealer

Quickly prepares the surface of bare wood and MDF prior to wax finishing.

- Suitable for use on all types of new or stripped wood
- Brush or spray applied

Size	Price
250ml	£4.97
500ml	£8.19
1ltr	£13.86
2.5ltr	£29.98



Boiled Linseed Oil

Gives a mellow and patinated finish to new or stripped bare wood.

- Ideal for use on all types of wood
- Traditional sealer for terracotta tiles

Size	Price
500ml	£6.35

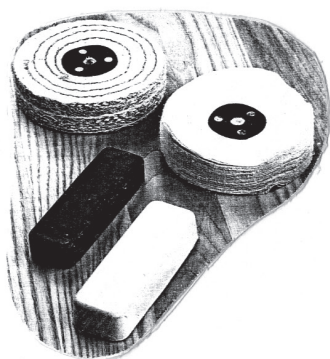


EN71 Part 3 Approved
- Safe for toys

Polishing Mops / Compounds

Compound

Type	Price
Crocus (General Purpose)	£4.35
Tripoli (Finishing NF Metals)	£4.15
Rouge (Silver & Brass)	£7.40
Grey/White (Steel & Stainless)	£4.75
Bobbing Grease	£3.56
Compounds for Acrylic	
Harringtons Metal Polish (Brasso) 200ml	£3.03
Blue	£6.42
Vonax Buffing Soap	£7.27



Toolbits - Square

High Speed Steel		Super Cobalt	
Size	Price	Size	Price
3/16 x 2½"	£2.73	3/16 x 2½"	£4.68
3/16 x 3"	£3.03	3/16 x 3"	£5.54
1/4 x 2"	£3.30	1/4 x 2"	£5.10
1/4 x 2½"	£3.49	1/4 x 2½"	£5.88
1/4 x 3"	£4.33	1/4 x 3"	£7.11
5/16 x 2½"	£4.74	5/16 x 2½"	£7.64
5/16 x 3"	£5.63	5/16 x 3"	£9.13
3/8 x 3"	£7.06	3/8 x 3"	£11.52
3/8 x 4"	£7.18	3/8 x 4"	£15.53
1/2 x 3"	£8.59	1/2 x 3"	£14.97
1/2 x 4"	£11.62	1/2 x 4"	£20.15

Polishing Mops

For Tapered Spindle Buffing Machines

Calico B General Purpose Stitched				
	100mm	150mm	200mm	
25mm	£5.12	£7.99	£12.64	
38mm	£6.90	£11.33	£17.94	
50mm	£8.75	£14.58	£23.34	

Calico G Finishing Loose				
	100mm	150mm	200mm	250mm
12mm	£2.93	£4.54	£6.52	
25mm	£4.62	£7.30	£11.83	£17.15
38mm	£6.22	£10.15	£16.37	£24.77
50mm	£7.83	£13.04	£21.37	£32.10

Hard F Fast Cutting				
		150mm	200mm	250mm
12mm		£5.69	£9.15	£12.01
25mm		£8.53	£15.06	£22.40
38mm		£11.70	£20.94	£26.29
50mm		£15.66	£23.42	£34.79

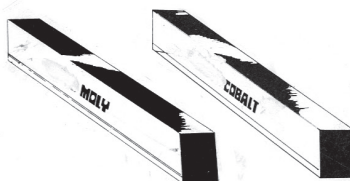
Swansdown Loose Finishing				
	100mm	150mm	200mm	250mm
25mm	£7.06	£8.36	£10.35	£13.49
38mm		£12.56	£15.50	£20.26
50mm		£15.89	£19.71	£25.67

Felt Bobs				
	100mm	150mm	200mm	
25mm	£16.74	£29.93	£43.59	
38mm	£26.70	£44.96	£53.02	

Marking Blue

Layout Ink

Fluid Blue	1 Ltr	£37.35
HiSpot Blue	Tube	£6.82



Oil / Grease

Oil

Type	Price	
	5 Ltr	25 Ltr
Soluble	£30.98	£131.67
Honing (Cutting)	£39.99	-
General Purpose	£26.55	£112.84
Penetrating	£30.90	-
Duck Oil	£34.99	£157.45
	Price	
	100ml	200ml
Three in One Flexican	£2.15	£3.45

Grease - High MP

	Price
Cartridge	£4.65
500gm	£5.54

Treflex MTC (Tapping Compound)

	Price
500ml	£17.79

WD 40

	Price
100ml	£2.35
600ml	£5.85

Oilcans

FORCE FEED

Code	Size & Type	Price
00250	250cc	£7.19
00332	350cc Fixed Spout	£7.57
00334	500cc Fixed Spout	£8.05
00501	500cc Nylon spout	£8.87
00102	1000cc Nylon spout	£8.95
00505	500cc Flexible spout	£7.33

Grease Guns

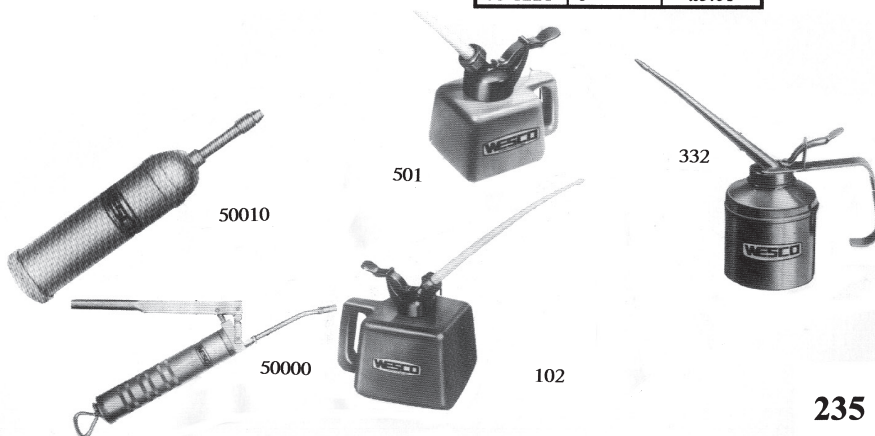
Code	Size & Type	Price
50010	60cc Push Type	£7.90
50000	16oz Lever Type	£18.60

Oil Pourers

Code	Size	Price
40000	½ Litre	£7.02
40010	1 Litre	£8.68
40020	2 Litre	£12.42
40030	5 Litre	£16.63

Funnels (Polypropylene)

Code	Size	Price
08-1217	3½"	£2.20
08-1219	5½"	£2.41
08-1221	8"	£5.01



Cables

Single Core Equipment Wire

Wire having a solid core ideal for plate wiring (running wires across a chassis with all wires straight or at right angles to one another) because wire stays in formed shape without cable ties.

1/0.6mm copper conductor. Overall diameter 1.4mm. Rating 1kV rms 1.8A at 70°C. Supplied in 100 Metre reels per colour. Eleven different colours.

Code	Colour	Price per 100 Metre Reel
903-0001	Black	£5.95
903-0002	Blue	£5.95
903-0003	Brown	£5.95
903-0004	Green	£5.95
903-0005	Grey	£5.95
903-0006	Orange	£5.95

Code	Colour	Price per 100 Metre Reel
903-0007	Pink	£5.95
903-0008	Red	£5.95
903-0009	Violet	£5.95
903-0010	White	£5.95
903-0011	Yellow	£5.95

Miniature Stranded Equipment Wire - WHILE STOCKS LAST

A flexible wire, which is ideal for signal interconnections within apparatus where it is necessary to pack large number of wires into small spaces.

10/0.1mm copper conductor. Overall diameter 0.9mm. Rating 750V rms 0.5A at 70°C. Supplied in packs of 10 Metre reels per colour.

Code	Colour	Price per 10 Metre Reel
903-0012	White	£0.50
903-0013	Yellow	£0.50



Stranded Equipment Wire

A flexible wire for general interconnection within apparatus.

7/0.2mm copper conductor. Overall diameter 1.2mm. Rating 1kV rms 1.4A at 70°C. Supplied in 100 Metre reels per colour. Eleven different colours.

Code	Colour	Price per 100 Metre Reel
903-1001	Black	£5.35
903-1002	Blue	£5.35
903-1003	Brown	£5.35
903-1004	Green	£5.35
903-1005	Grey	£5.35
903-1006	Orange	£5.35

Code	Colour	Price per 100 Metre Reel
903-1007	Pink	£5.35
903-1008	Red	£5.35
903-1009	Violet	£5.35
903-1010	White	£5.35
903-1011	Yellow	£5.35

Extra Flexible Cable

A very flexible wire ideal for test leads and as interconnection wires which are frequently being moved. 55/0.1mm copper conductor. Overall diameter 2.8mm. Max Current rating 6A. Supplied on 25 Metre reels. Seven different colours are available.

Code	Colour	Price per 25 Metre Reel
903-2001	Red	£4.25
903-2002	Black	£4.25
903-2003	Blue	£4.25
903-2004	Green	£4.25

Code	Colour	Price per 25 Metre Reel
903-2005	Brown	£4.25
903-2006	White	£4.25
903-2007	Yellow	£4.25

Cables

Speaker Wire

A flexible twin cable having a 'figure 8' shape. Ideal for speaker connection.
13/0.18mm copper conductor. Rating 60V rms 2.5A. Overall size 3.8 x 1.9mm. Grey colour with white ribbed polarity identification marker.



Code		Price per 100 mtr
903-3001	Speaker Wire	£23.25

Signal Cable

A range of cables ideal for alarm, security and other low voltage/low current signal applications. The cable consists of several 7/0.2 tinned copper conductor cores each individually colour coded sheathed overall in white PVC. Rating 60V rms 1A.



Code	Type	Price per 100 mtr
903-3002	4 core	£17.35
903-3003	6 core	£23.52
903-3004	8 core	£63.25

Ribbon Cable

Ribbon Cable in grey for use with IDC connectors. Consists of parallel stranded tinned copper wire conductors laminated between layers of PVC film to form a flat ribbon cable. May be split in any number of ways.

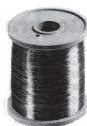
Conductor rating 300V DC 1A. Conductor spacing 0.05in. Capacitance max 46pF/m. UL approved.



Code	Type	Price per 30 mtr
903-3005	10 Way	£19.99
903-3006	20 Way	£33.75
903-3007	40 Way	£52.25

Insulated Copper Wire

Enamelled copper wire for winding transformers and coils etc. Supplied in 500gm reels.



Code	SWG	Length mtr	Price per 500gm
903-4001	36	1850	£11.35
903-4002	33	1120	£10.75
903-4003	30	720	£10.55
903-4004	27	450	£10.30
903-4005	25	290	£9.85
903-4006	24	230	£9.75
903-4007	22	140	£9.50

Tinned Copper Wire

Tinned Copper Wire supplied on 500gm reels.



Code	SWG	Length mtr	Price per 500gm
903-5001	16	27	£9.60
903-5002	18	48	£9.65
903-5003	20	66	£9.70
903-5004	22	140	£9.75
903-5005	24	230	£9.80

Cables

RF Cable Type RG58C/U

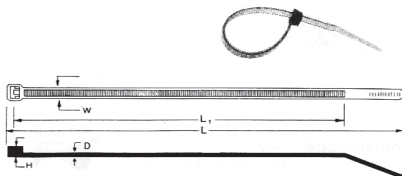
A high quality cable with 19/0.8mm tinned copper conductor, solid polythene insulation, tinned copper braid. Sheathed overall in black PVC. 5mm dia. Impedance nom. 50 ohms. Capacitance 100pF/M. Attenuation at 100MHz 1.43dB, at 1000MHz 4.85dB (per 10 Metre). 2.8kV peak RF working.



Code		Price per 10M
903-6001	RF Cable	£5.25

Cable Ties

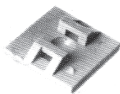
White nylon ties with non-releasable ratchet lock action. Suitable for binding cable or components.



Code	Length	Width	Price per 100
903-6002	80mm	2.5mm	£0.42
903-6003	100mm	2.5mm	£0.45
903-6004	140mm	3.6mm	£1.05
903-6005	200mm	4.8mm	£1.72

Cable Tie Bases

Self adhesive bases which will accept above cable ties. The base has a fixing hole of 5mm as an alternative.



Code	Size	Price per 100
903-6006	19 x 19mm	£5.95
903-6007	25 x 25mm	£7.15

Moulded Grommets

Moulded PVC grommets available in two sizes. Suitable for panels up to 16swg.



Code	Cable Hole	Panel Hole	Price per 100
903-6008	6.3mm	9.5mm	£9.99
903-6009	9.5mm	12.5mm	£5.90
903-6010	16mm	19mm	£5.40

Sleeved PVC Grommet

Sleeved PVC grommet to provide support for cables at panel entry/exit points. Max panel thickness 2.4mm. Sleeve length 14mm. Supplied in packs of 100.



Code	Cable Hole	Panel Hole	Price per 100
903-6011	6.3mm	9.5mm	£6.25

Connectors

4mm Stackable Test Leads

A range of ready assembled test leads comprising 0.5M of 55/0.1 extra-flexible cable terminated at each end with an in-line stackable 4mm plug. Maximum working voltage 50V. Fully moulded construction provides long term life.

Code	Colour	Price each
SL17-0380	Red	£0.75
SL17-0381	Blue	£0.75
SL17-0382	Green	£0.75
SL17-0384	Brown	£0.75
SL17-0385	Black	£0.75
SL17-0386	Yellow	£0.75



4mm Terminals

High quality moulded terminals in acetal. All metal parts bright nickel plated. Rated at 10A. Will accept our low cost or standard 4mm plugs. Height above panel 24-32mm. 14mm diameter. Maximum panel thickness 12.7mm. Thread size 4BA clearance.

Code	Colour	Price each
TE17-0230	Red	£0.95
TE17-0235	Green	£0.95
TE17-0240	Blue	£0.95
TE17-0245	Black	£0.95
TE17-0255	White	£0.95
TE17-0260	Yellow	£0.95



Low Cost 4mm Terminals

A low cost alternative to the above terminals. Metal parts bright nickel plated. Will accept our standard or low cost 4mm plugs. Height above panel 24-29mm. 11mm diameter. Max Panel thickness 7mm. Panel cutout 8mm.

Code	Colour	Price each
TE17-0215	Red	£0.50
TE17-0220	Green	£0.50
TE17-0225	Black	£0.50



Miniature Crocodile Clips

A range of miniature insulated crocodile clips supplied with covers. Solder termination complete with cable grip. Overall length 33mm.

Code	Colour	Price each
MC17-0335	Brown	£0.07
MC17-0331	Blue	£0.07
MC17-0332	Green	£0.07
MC17-0330	Red	£0.07
MC17-0334	White	£0.07
MC17-0336	Yellow	£0.07



13A Distribution Boards Trailing Socket

High quality 4 and 6-way Distribution board with trailing socket. BS1363 and CE approved 1.5 metre cable. 240V AC 13A neon on/off switch. All sockets are shuttered.



Code	Colour	Price each
DB23-0530	4 way	£4.75
DB23-0531	6 way	£5.99

13A Mains Plug

A low cost 13A sleeved pin mains plug. Manufactured to BS1363. Manufactured in White.

Complete with 13A fuse.

Code	Type	Price each
MP23-0315	13A Mains Plug	£1.29



Thermoplastic 13A Mains Plug

13A square pin thermoplastic plug to BS1363A which suits standard 13A socket outlets. Supplied fitted with a 13A fuse. Sleeved pins.

Code	Colour	Price each
TP23-0127	Black	£2.45
TP23-0132	White	£2.99



Standard Crocodile Clips

Standard crocodile clip. Nickel plated steel. Overall length 50mm. Will accept 4mm plug.

Code	Type	Price each
SC17-0340	Standard Croc Clip	£0.11



Crocodile Lead Pack

A set of ten leads 18 inches long in five assorted colours, terminated at each end with a vinyl crocodile clip. Ideal for use as test clips.

Code	Type	Price per set
CP17-0350	Crocodile Lead Pack	£2.99



Connectors

2mm Stackable Plug

2mm gold plated plug with 2mm socket in the rear providing an in-line stacking facility. The lead wire is soldered into position at the bottom of the 2mm socket. Rated at 10A.



Code	Colour	Price each
904-3001	Black	£0.22
904-3002	Blue	£0.22
904-3003	Green	£0.22
904-3004	Brown	£0.22
904-3005	Red	£0.22
904-3006	White	£0.22
904-3007	Yellow	£0.22

2mm PCB Socket

Gold plated 2mm PCB mounting socket. Mounting hole 2.8mm. Rated 10A.



Code	Type	Price each
904-3010	2mm PCB socket	£0.10

2mm Chassis Socket

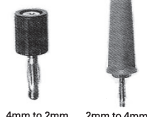
Gold plated 2mm chassis mounting socket. Mounting hole 3.0mm. Maximum panel thickness 5mm. Rated 10A.



Code	Type	Price each
904-3011	2mm Chassis socket	£0.25

Adaptors

A range of adaptors suitable for interconnecting between 2 and 4mm systems. Maximum current 10A. Available in red and black.



Code	Description	Price each
904-4001	Black 2 to 4mm	£1.50
904-4002	Red 2 to 4mm	£1.50
904-4003	Black 4 to 2mm	£1.65
904-4004	Red 4 to 2mm	£1.65

2mm Stackable Test Leads

A range of ready assembled test leads, comprising 300mm of flexible cable terminated at each end with an in-line stackable 2mm plug. Gold plated connectors employed.



Code	Colour	Price each
904-5001	Black	£0.85
904-5002	Blue	£0.85
904-5003	Green	£0.85
904-5004	White	£0.85

Low cost 4mm Plugs

A range of very economically priced 4mm plugs. Available in red and black. Can be used in conjunction with our 4mm terminals. Solder connection.



Code	Type	Price each
904-6010	Red Plug	£0.40
904-6011	Black Plug	£0.40

In-Line Stackable 4mm Plugs

4mm plug with 4mm socket in the rear providing an in-line stacking facility. The lead wire is clamped in position by screw located at the bottom of the 4mm socket. Nickel plated brass insert with stainless steel plug spring. 10A rating.



Code	Colour	Price each
904-6001	Black	£0.62
904-6002	Blue	£0.62
904-6003	Green	£0.62
904-6004	Brown	£0.62
904-6005	Red	£0.62
904-6006	White	£0.62
904-6007	Yellow	£0.62

Connectors

Insulated Crimp Connectors

A wide range of tin plated insulated crimp terminals in red, blue and yellow sleeve varieties. Sold in packs of 100 pieces.

RED SLEEVE

Wire Size mm²

0.25-1.60

Type

16/0.2,24/0.2,32/0.2



Code	Type	Stud Size	Price per 100
904-7001	Ring	3.0mm	£3.75
904-7002	Ring	3.7mm	£3.80
904-7003	Ring	4.0mm	£3.85
904-7004	Ring	5.0mm	£3.90
904-7005	Fork	3.7mm	£3.70
904-7006	Fork	4.0mm	£3.80
904-7007	Fork	5.0mm	£3.90
904-7008	Receptacle	4.8mm	£3.40
904-7009	Receptacle	6.3mm	£3.75

BLUE SLEEVE

Wire Size mm²

1.5-2.5

Type

51/0.2

Code	Type	Stud Size	Price per 100
904-7101	Ring	3.0mm	£3.75
904-7102	Ring	3.7mm	£3.80
904-7103	Ring	4.0mm	£3.85
904-7104	Ring	5.0mm	£3.90
904-7105	Fork	3.7mm	£4.20
904-7106	Fork	4.0mm	£4.50
904-7107	Fork	5.0mm	£4.70
904-7108	Receptacle	2.8mm	£3.40
904-7109	Receptacle	6.3mm	£3.80

YELLOW SLEEVE

Wire Size mm²

2.6-6.0

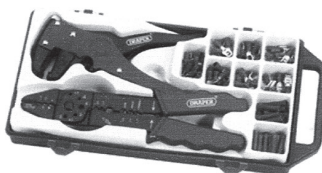
Code	Type	Stud Size	Price per 100
904-7201	Ring	3.7mm	£4.80
904-7202	Ring	4.0mm	£5.25
904-7203	Ring	5.0mm	£6.25
904-7204	Ring	6.0mm	£7.25
904-7205	Fork	4.0mm	£4.75
904-7206	Fork	5.0mm	£5.25
904-7207	Receptacle	6.3mm	£5.75

Crimp Tool Kit

Kit containing a 6 way crimping tool, wire stripper and varied selection of 100 crimp terminals in a handy plastic storage case.

The 230mm Crimping Tool is suitable for crimping insulated terminals size 1.5-6.0mm², crimping round non insulated terminals size 1.5-4.6mm², crimping square non insulated terminals size 1.5-2.5mm², crimping ignition terminals, wire cutting and can also shears bolts from size 2.6-5.0mm.

The 165mm wire stripper can remove wire insulation up to 14mm in length and can also be used as a cable cutter, stripping tool and for tension control.



Code	Type	Price each
904-7300	Crimp Tool Kit	£26.69

Crimping Tool

A compact crimping tool for crimping red, blue and yellow insulated crimp connectors. Also incorporates wire cutter, bolt cutter and a position for crimping ignition terminals. Overall length 200mm.



Code	Type	Price each
904-7400	Crimp Tool	£2.55

Capacitors

Ceramic Disc Capacitors

General purpose disc capacitors manufactured from high dielectric constant ceramics. Durez coated and high temperature wax impregnated.

Technical Specification:

Tolerance: $\pm 10\%$ below 4n7
-20 to +80% for 4n7 & above

Working Voltage: 50V DC (100n 25V DC)

Temperature Range: -25 to +80°C

Code	Value	Pitch	Price per 100
CC08-0140	100pF	2.5	£0.60
CC08-0145	120pF	2.5	£0.70
CC08-0150	150pF	2.5	£0.70
CC08-0155	180pF	2.5	£0.70
CC08-0160	220pF	2.5	£1.00
CC08-0165	270pF	2.5	£1.00
CC08-0170	330pF	2.5	£1.00
CC08-0175	390pF	2.5	£1.00
CC08-0180	470pF	2.5	£1.00
CC08-0185	560pF	2.5	£1.00
CC08-0190	680pF	2.5	£1.00
CC08-0195	820pF	2.5	£1.00
CC08-0200	1n	2.5	£1.00
CC08-0205	1n5	2.5	£1.00
CC08-0210	2n2	5	£1.00
CC08-0215	3n3	5	£1.00
CC08-0220	4n7	5	£1.00
CC08-0225	6n8	5	£1.00
CC08-0230	10n	5	£1.00
CC08-0235	100n	5	£1.00

High Voltage Disc Ceramics

Low inductance makes this capacitor particularly suitable for high frequency decoupling and suppression in logic circuits.

Rated at: 1000V DC (300V AC)

Tolerance: +80% to -20%

Temperature Range: -25 to +85°C

Code	Value	Pitch	Price per 100
HC08-0250	1n	6.5	£2.00
HC08-0255	10n	10	£4.80

Miniature Polyester Capacitors

A cost effective range of miniature metallised polyester capacitors with a 5mm pitch. Self extinguishing plastic case and sealed epoxy resin. An ideal decoupling capacitor where space is at a premium. All types are maximum 7.5mm wide.

Technical Specification

Tolerance: $\pm 10\%$

Temp Coefficient: -5 to +5%

Working Voltage: 100V DC below 22n
63V DC 100n and above

Insulation Resistance Greater than 10^9 ohms

Temp Range: -55 to +85°C

Code	Value	h	d	Price per 100
MC10-0300	1n	6.5	2.5	£5.00
MC10-0305	2n2	6.5	2.5	£5.00
MC10-0310	4n7	6.5	2.5	£5.00
MC10-0320	22n	6.5	2.5	£5.00
MC10-0330	100n	6.5	3.0	£6.00
MC10-0340	470n	10.0	5.0	£14.00

Dipped Multilayer Ceramic Capacitor

A high quality epoxy DIP coated ceramic capacitor ideally suited to decoupling applications Z5U dielectric.

Technical Specification

Tolerance: -20% +80%

Temp coefficient: C +22% to -56%

Working Voltage: 50V DC

Insulation Resistance Greater than 10^9 ohms

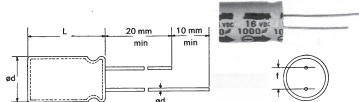
Temperature Range: -10 to +85°C

Code	Value	Dim	Pitch	Price per 100
DC08-0260	10n	3.35x2.67	5	£2.00
DC08-0265	47n	3.35x2.67	5	£4.00
DC08-0270	100n	3.35x2.67	5	£2.80
DC08-0275	100n	3.35x2.67	2.5	£2.80
DC08-0280	220n	4.5x3.0	3.0	£6.00

Capacitors

Radial Electrolytic Capacitors

A comprehensive range of miniature radial lead aluminium electrolytic capacitors for mounting directly to PCBs manufactured to high technical and quality standards. All types are fully sleeved. Ripple current quoted at 85°C.



Case Code	L	D	f	Case Code	L	D	f
A	11	5	2	F	18	13	5
B	11	6	2.5	G	21	13	5
C	11	8	3.5	H	26	13	5
D	12	10	5	I	26	16	7.5
E	17	10	5	J	21	10	

Technical Specifications

Tolerance:	±20%
Temperature Range:	-40 to +85°C
Leakage Current:	0.03CV or 4uA

V	Case	Value	Code	Price per 10
10V	A	47μ	RC11-0305	£0.30
10V	A	100μ	RC11-0310	£0.40
10V	C	470μ	RC11-0270	£0.60
10V	D	1000μ	RC11-0315	£0.80
10V	M	2200μ	RC11-0320	£1.40
16V	A	47μ	RC11-0325	£0.30
16V	B	100μ	RC11-0245	£0.40
16V	B	220μ	RC11-0260	£0.50
16V	C	470μ	RC11-0275	£0.70
16V	E	1000μ	RC11-0290	£1.10
16V	G	2200μ	RC11-0300	£1.90
25V	A	10μ	RC11-0220	£0.30
25V	A	22μ	RC11-0230	£0.30
25V	A	47μ	RC11-0235	£0.40
25V	B	100μ	RC11-0250	£0.40
25V	C	220μ	RC11-0265	£0.70
25V	E	470μ	RC11-0280	£1.00
25V	J	1000μ	RC11-0295	£1.80
25V	H	2200μ	RC11-0330	£3.20
35V	A	22μ	RC11-0340	£0.30
35V	B	47μ	RC11-0345	£0.40
35V	C	100μ	RC11-0350	£0.60
35V	D	220μ	RC11-0355	£0.80
35V	F	470μ	RC11-0360	£1.40
63V	A	1μ	RC11-0205	£0.30
63V	A	2μ	RC11-0210	£0.30
63V	A	4μ	RC11-0215	£0.30
63V	A	10μ	RC11-0225	£0.30
63V	B	22μ	RC11-0335	£0.40
63V	C	47μ	RC11-0240	£0.60
63V	D	100μ	RC11-0255	£0.90
63V	J	220μ	RC11-0385	£1.50
63V	H	470μ	RC11-0390	£2.50

Tantalum Bead Capacitors



Tantalum Bead Capacitors, suitable for coupling and bypassing, filters, timing circuits and general applications. Very low cost, small size. 5mm lead spacing. In low impedance circuits care should be exercised to ensure that the surge voltage is not exceeded.

Technical Specifications

Tolerance:	±20%		
Tangent of loss			
Angle:	0.012 max		
Leakage Current:	0.04CV or 2uA		
Temperature Range:	-55 to +85°C		
V	Value	Code	Price per' 10
35V	0.1μ	TC11-0500	£0.85
35V	0.22μ	TC11-0505	£0.85
35V	0.47μ	TC11-0515	£0.80
35V	1μ	TC11-0520	£0.80
25V	2μ2	TC11-0525	£0.90
25V	4μ7	TC11-0535	£1.20
25V	10μ	TC11-0545	£1.70
16V	22μ	TC11-0555	£2.15
6V	47μ	TC11-0565	£2.20
16V	47μ	TC11-0570	£4.55

WSL

Miniature Tuning Capacitor



A miniature tuning capacitor suitable for ZN414 circuits and crystal sets. Comprises AM sections of 126pF with trimmers and FM sections of 20pF with trimmers. Control shaft is a flattened 6mm diameter tapped with a M2.5 thread. Rotation 180°. Max Voltage 100V. Dimensions 20 x 20 x 12.5mm

Code	Price each
TC12-0250	£0.90

Component Kits

Ceramic Capacitor Kit

A pack containing a total of 240 50V ceramic disc and plate capacitors ranging in value from 22pF to 0.1uF. Each value is individually packed. A total of 26 different values.

Contents:

5x22p	5x22p	5x22p	10x560p	10x2n2
5x33p	20x100p	5x270p	5x680p	10x3n3
10x47p	5x100p	15x330p	5x880p	10x4n7
5x56p	1x100p	5x390p	20x1n	5x6n8
5x68p	5x180p	15x470p	10x1n5	20x10n
10x100n				

Price

Code	per kit 240
CC13-0205	£4.49 WSL

Radial Electrolytic Capacitor Kit

A package containing a total of 93 miniature radial lead electrolytic capacitors. Each value individually packed. A total of 12 different values.

Contents:

10x1μ 63V	15x10μ 25V	15x100μ 16V	3x1000μ 16V
10x2μ2 63V	5x22μ 25V	5x220μ 16V	3x1000μ 25V
10x4μ7 63V	10x47μ 25V	5x470μ 16V	2x2200μ 16V

Price

Code	per kit 93
RK13-0220	£7.85

Fuse Kit

A kit of 77 20mm Quick Blow fuses. Each type individually packed. Selection has been carefully selected by rating.

Contents:

2x50mA	15x1A	10x3.15A
5x100mA	5x1.6A	10x5A
5x250mA	10x2A	5x6.3A
10x500mA		

Code Price per Kit

RK13-0300	£7.99
-----------	-------

Metallised Polyester Capacitor Kit

A pack containing a total of 110 250V C380 metallised polyester capacitors ranging in value from 10n to 470n. Each value individually packed. A total of 11 different values.

Contents:

20x10n	1x10n	15x47n	20x100n	10x220n	5x470n
5x15n	10x33n	5x68n	5x150n	5x330n	

Price

Code	per kit 110
MC13-0210	£6.99

Preset Potentiometer Kit

A pack containing a total of 110 miniature horizontal mounting preset potentiometers. Each value individually packed. A total of 13 different values.

Contents:

5x100R	10x1K	15x10K	15x100K	10x1M
5x220R	10x2K2	5x22K	5x220K	
5x470R	10x4K7	10x47K	5x470K	

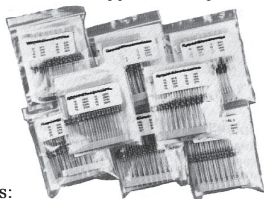
Price

Code	per kit 110
PP13-0225	£15.99

Component Kits

CR25 Carbon Film Resistor Kit

A pack containing a total of 1000 0.25W 5% carbon film resistor ranging in value from 4.7 ohms through to 10 Megohms. A total of 64 different values. Supplied in 8 packs.



Contents:

10x4R7	10x120R	30x1K	10x8K2	15x68K	10x560K
5x5R6	10x150R	15x1K2	30x10K	10x82K	10x680K
10x10R	10x180R	15x1K5	15x12K	30x100K	5x820K
10x15R	20x220R	10x1K8	15x15K	20x120K	20x1M
10x22R	20x270R	25x2K2	15x18K	15x150K	10x2M2
10x33R	20x330R	20x2K7	20x22K	15x180K	5x3M3
20x47R	10x390R	20x3K3	15x27K	20x220K	10x4M7
10x56R	30x470R	15x3K9	20x33K	15x270K	5x6M8
10x68R	20x560R	25x4K7	10x39K	15x330K	20x10M
10x82R	20x680R	20x5K6	30x47K	10x390K	
20x100R	10x820R	20x6K8	20x56K	25x470K	

Price

Code per kit 1000
CR13-0200 £16.55

CR50 Carbon Film Resistor Kit

A pack containing a total of 1000 0.5W 5% carbon film resistors ranging in value from 4.7 ohms through to 10 Megohms. A total of 64 different values. Supplied in 8 packs.



Contents:

10x4R7	10x120R	30x1K	10x8K2	15x68K	10x560K
5x5R6	10x150R	15x1K2	30x10K	10x82K	10x680K
10x10R	10x180R	15x1K5	15x12K	30x100K	5x820K
10x15R	20x220R	10x1K8	15x15K	20x120K	20x1M
10x22R	20x270R	25x2K2	15x18K	15x150K	10x2M2
10x33R	20x330R	20x2K7	20x22K	15x180K	5x3M3
20x47R	10x390R	20x3K3	15x27K	20x220K	10x4M7
10x56R	30x470R	15x3K9	20x33K	15x270K	5x6M8
10x68R	20x560R	25x4K7	10x39K	15x330K	20x10M
10x82R	20x680R	20x5K6	30x47K	10x390K	
20x100R	10x820R	15x6K8	20x56K	25x470K	

Price

Code per kit 1000
CR13-0260 £12.99

M25 Metal Film Resistor Kit

A pack containing a total of 1000 0.25W 1% 50ppm precision metal film resistors ranging in value from 10 ohms through to 1 Megohm. A total of 70 different values including many selected from the E24 range to provide a comprehensive spread of resistances. Supplied in 10 packs.



Contents:

10x10R	10x150R	10x910R	15x5K6	15x330K	15x220K
10x15R	10x180R	20x1K	15x6K8	10x2K	10x240K
10x22R	20x220R	20x1K2	10x7K5		10x270K
10x33R	20x270R	15x1K5	10x8K	10x47K	20x330K
10x39R	30x330R	10x1K8	30x5K6	10x56K	10x390K
15x47R	10x390R	10x2K		10x68K	20x470K
10x56R	10x430R	20x2K	10x15K	10x75K	10x560K
10x68R	20x470K	10x16K	10x82K		10x680K
10x75R	10x560R	10x18K	40x100K		10x820K
10x91R	10x620R	10x20K	15x120K	30x1M	
30x100R	20x680R	20x22K	10x150K		
10x120R	10x5K1	15x27K	10x180K		

Price

Code per kit 1000
MR13-0270 £8.99

Miniature Polyester Capacitor Kit

A pack containing a total of 100 miniature 5mm pitch polyester capacitors. Each value individually packed. A total of 9 different values.



Contents:

15x1n	10x4n7	10x22n	20x100n	5x470n
10x2n2	15x10n	10x47n	5x220n	

Price

Code per kit 100
MC13-0215 £7.75

Resistors

CR25 Carbon Film Resistors

High stability carbon film resistors type CR25 for industrial and consumer applications with greater stability than carbon composition types

L maximum 6.5mm

D maximum 2.3mm

H nominal 30mm

d nominal 0.6mm

Technical Specifications

Wattage: 0.25W at 70°C

Resistance Range: 4.7 ohms- 10M E12 Series*

Tolerance: 5%

Max Working Voltage: 300V

Max Overload Voltage: 600V

Typ Temp Coeff (ppm/degC): -400

Temperature Range: -25 to +70°C

Supplied Bandoled on a 5mm spacing. Tin

plated wires. Conformal multicoating. EIA

Standard colour coding. Meets or exceeds

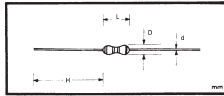
EIA-RS-196A, JIS-C-6402 and IEC-115

Please Specify Value - List at Bottom of Page

Ordering Information - Order as CR25 + Value

Type Value Price per 100

CR25 0.25W See Below £0.50



CR50 Carbon Film Resistors

High stability carbon film resistors type CR50 for industrial and consumer applications with greater stability than carbon composition types

L maximum 8.8mm

D maximum 2.8mm

H nominal 27mm

d nominal 0.6mm

Technical Specification

Wattage: 0.5W at 70°C

Resistance Range: 4.7 ohms - 4M7 E12 Series*

Tolerance: 5%

Max Working Voltage: 350V

Max Overload Voltage: 700V

Typ Temp Coeff (ppm/deg C): -400

Temperature Range: -25 to +70°C

Supplied bandoled on a 5mm spacing.

Tin plated wires. Conformal multicoating.

EIA Standard colour coding. Meets or exceeds

EIA-RS-196A, JIS-C-6402 and IEC-115

Please Specify Value - List at Bottom of Page

Ordering Information - Order as CR50 + Value

Type Value Price per 100

CR50 0.5W See Below £1.00

Values available for CR25 & CR50

4R7 120R 1K 8K2 68K 560K

5R6 150R 1K2 10K 82K 680K

10R 180R 1K5 12K 100K 820K

15R 220R 1K8 15K 120K 1M

22R 270R 2K2 18K 150K 2M2

33R 330R 2K7 22K 180K 3M3

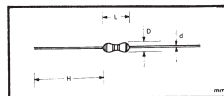
47R 390R 3K3 27K 220K 4M7

56R 470R 3K9 33K 270K 6M8

68R 560R 4K7 39K 330K 10M

82R 680R 5K6 47K 390K

100R 820R 6K8 56K 470K



MR25 Metal Film Resistors

A highly stable miniature metal film resistor type MR25 protected against adverse environmental conditions by multiple epoxy coatings. These resistors are recommended for use in sophisticated electronics equipment.

L maximum 6.3mm

D maximum 2.3mm

H nominal 28mm

d nominal 0.6mm

Technical Specification

Wattage: 0.25W at 70°C

Resistance Range: 10 ohms - 1M E24 Series*

Tolerance: 1%

Max Working Voltage: 300V

Max Overload Voltage: 600V

Max Temp Coefficient: 50 ppm per deg C

Typical Noise: 0.01µV/V

Temperature Range: -25 to +70°C

Supplied Bandoled on a 5mm spacing.

Tin plated wires. Conformal multicoating.

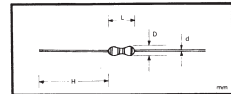
EIA Standard colour coding. Meets or exceeds

EIA-RS-196A, JIS-C-6402 and IEC-115

Ordering Information - Order as MR25 + Value

Type Value Price per 100

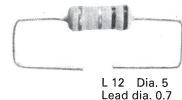
MR25 0.25W See Below £0.95



10R	150R	910R	5K6	33K	220K
15R	180R	1K	6K8	39K	240K
22R	220R	1K2	7K5	43K	270K
33R	270R	1K5	8K2	47K	330K
39R	330R	1K8	10K	56K	390K
47R	390R	2K	12K	68K	470K
56R	430R	2K2	15K	75K	560K
68R	470R	2K7	16K	82K	680K
75R	560R	3K3	18K	100K	820K
91R	620R	3K9	20K	120K	1M
100R	680R	4K7	22K	150K	
120R	820R	5K1	27K	180K	

Wirewound Resistors

3.0W wirewound resistors wound on a ceramic former with flame retardant silicone resin coating. Equivalent to Welwyn W21 and Erg 74ER.

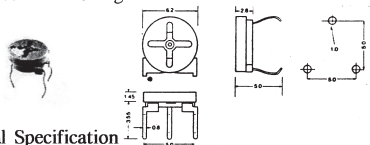


Code	Value	Price per 10
WR62-0215	0.22 ohms	£1.20
WR62-0220	0.33 ohms	£1.20
WR62-0225	0.47 ohms	£1.20
WR62-0230	1 ohm	£1.20
WR62-0235	2.2 ohms	£1.20
WR62-0240	4.7 ohms	£1.20
WR62-0245	10 ohms	£1.20
WR62-0250	22 ohms	£1.20
WR62-0255	47 ohms	£1.20
WR62-0260	100 ohms	£1.20
WR62-0265	150 ohms	£1.20

Resistors

Miniature Trimmer Potentiometer

A range of miniature single turn trimmer potentiometers employing a resin moulded substrate offering considerable cost savings over cermet types. Design incorporates a dust cover and specially designed device legs to prevent solder wicking.



Technical Specification

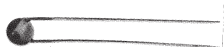
Tolerance:	30%
Power Rating:	0.2W at 50°C
Maximum Voltage:	100V DC
Operating Torque:	30 to 350gm/cm
Electrical Rotation:	280° ±10%
Temperature Range:	-20 to +70°C

Code	Value	Price per 10
CP67-0402	100 ohms	£1.00
CP67-0407	200 ohms	£1.00
CP67-0412	500 ohms	£1.00
CP67-0417	1K	£1.00
CP67-0422	2K	£1.00
CP67-0437	20K	£1.00
CP67-0442	50K	£1.00
CP67-0447	100K	£1.00
CP67-0452	200K	£1.00
CP67-0457	500K	£1.00
CP67-0462	1M	£1.00

WSL

NTC Thermistors

A range of miniature disc thermistors for general purpose applications including temperature measurement and circuit compensation. Tolerance 10% maximum, dissipation 500mW max.



Code	R at 25°C	R at 100°C	Max current at 25°C	Thermal time constant
61-0405	1KΩ	90Ω	70mA	22s
61-0410	5KΩ	300Ω	30mA	21s
61-0415	20KΩ	1Ω	20mA	23s
61-0420	100KΩ	5Ω	10mA	24s

Code	Price per 10
61-0405	£2.99
61-0410	£2.99
61-0415	£2.99
61-0420	£2.99

Commercial Potentiometers

A low cost carbon track single potentiometer offered in a range of popular values. Standard 6mm diameter spindles in nylon. Shaft length 50mm. Body diam 24mm. Solder tag termination.



Code	Type	Price per 10
CP65-0500	470 ohms Lin	£7.35
CP65-0505	1K Lin	£7.35
CP65-0510	4K7 Lin	£7.35
CP65-0515	10K Lin	£7.35
CP65-0520	22K Lin	£7.35
CP65-0525	47K Lin	£7.35
CP65-0530	100K Lin	£7.35
CP65-0535	220K Lin	£7.35
CP65-0540	470K Lin	£7.35
CP65-0545	1M Lin	£7.35
CP65-0550	2M2 Lin	£7.35
CP65-0610	4K7 log	£7.35
CP65-0615	10K log	£7.35
CP65-0625	47K log	£7.35
CP65-0630	100K log	£7.35
CP65-0645	1M log	£7.35
CP65-0650	2M2 log	£7.35

Carbon Preset Potentiometers

Miniature open single turn presets. Rated at 0.1W. Suitable for 0.1" matrix boards. Linear law. Horizontal mounting style only.

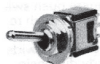


Code	Type	Price per 10
CP67-0100	100 ohms	£0.60
CP67-0105	220 ohms	£0.60
CP67-0110	470 ohms	£0.60
CP67-0115	1K	£0.60
CP67-0120	2K2	£0.60
CP67-0125	4K7	£0.60
CP67-0130	10K	£0.60
CP67-0135	22K	£0.60
CP67-0140	47K	£0.60
CP67-0145	100K	£0.60
CP67-0150	220K	£0.60
CP67-0155	470K	£0.60
CP67-0160	1M	£0.60

Switches

Sub-Miniature Toggle Switches

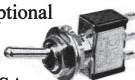
A range of quality sub-miniature toggle switches providing an excellent value switch to be used where space is at a premium.



Code	Type	Price each
907-1001	SPST	£0.75
907-1002	SPDT	£0.75
907-1003	DPDT	£0.75

Miniature Toggle Switches

A range of high quality miniature toggle switches providing exceptional value, available in single pole and double pole. All switches are fully approved to UL and CSA.



Code	Type	Price each
907-1011	SPDT	£0.65
907-1012	SPDT c/o	£0.65
907-1013	DPDT	£0.70
907-1014	DPDT c/o	£0.75

Illuminated Rocker Switches

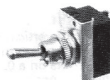
A range of high quality illuminated rocker switches with concave rocker with modern ergonomic appearance. Matt black bezel with rocker in red or amber. The switch provides clear power on indication during 240V AC operation. 4.8 x 0.8mm crimp connections. UL, CSA approved.

Code	Type	Price each
907-4001	SPST Illum Red Rocker	£0.85
907-4002	DPDT Illum Red Rocker	£0.90
907-4003	DPST Illum Amber Rocker	£0.90



High Current Standard Toggle Switches

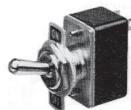
A range of high current standard toggle switches. Panel cutout 12mm. Rated at 250V AC 10A. 6.3mm solder tag termination.



Code	Type	Body Dimensions	Price each
907-1031	SPST	30x18x15	£1.75
907-1032	DPDT	30x18x15	£2.65

Standard Toggle Switches

A range of low cost standard size toggle switches. Complete with on/off plate. Rated at 250V 1.5A AC. Panel cutout 12mm.



Code	Type	Body Dimensions	Price each
907-1021	SPST	25x14x14	£0.55
907-1022	DPDT	28x18x14	£0.79

Ultra-Miniature Slide Switches

A range of vertical mounting and right angle PCB mounting slide switches having pins on a 0.1" grid. Silver plated contacts close with a positive action. Sealed terminals are flux immune.



Code	Type	Price each
907-2011	SPDT Vertical	£0.79
907-2014	DPDT Vertical	£0.99
907-2012	SPDT Right Angle	£1.15
907-2013	DPDT Right Angle	£0.94

Reed Switch

A magnetic reed switch designed specifically for moderate current and voltage applications and performs equally well at high or low level. Normally open rhodium contacts. Suitable magnet is available - see below. Suited to educational electronic systems.

Code	Type	Price each
907-4010	Miniature Reed Switch	£0.53
907-4012	Magnet	£0.60



Switches

Miniature Slide Switch

A miniature slide switch with solder tag connections with break before make DPDT contacts. Suited to a wide range of miniature electronic equipment. Contacts rated at 0.3A, 125V AC.



Code	Type	Price per 10
907-2001	DPDT Min Slide	£1.90

Standard Slide Switch

Standard slide switches with solder tag connections with break before make DPDT contacts available also in centre off. Suited to a wide range of miniature electronic equipment. Contacts rated at 0.3A, 125V AC.



Code	Type	Price per 10
907-2002	DPDT Std Slide	£2.85
907-2003	DPDT Std - Centre off	£2.50

Miniature Push Switches

Miniature low cost push to make switches with all-plastic body and chrome locking nut offered in a variety of button colours. Non-locking action. Overall dimensions 28mm long, 10.5mm diameter. Rated 250mA 125V AC. Panel cutout 7mm.

Code	Colour	Price per 10
907-3001	Red	£3.10
907-3002	Black	£3.10
907-3003	Green	£3.10
907-3004	Yellow	£3.10
907-3005	Blue	£3.10
907-3006	White	£3.10



Square Push Switches

A range of larger push switches with large actuator button in red. Available in non-locking push to make or SPST latching. Body dimensions 34x15x15mm. Panel cutout 12mm. Rated 1A 250V AC.



Code	Type	Price per 10
907-3020	Non-locking	£4.80
907-3021	Latching	£4.90

Push Switches

Miniature low cost push to make switch with red button. Non-locking. Overall dimensions 28mm long, 10.5mm diameter. Rated 250mA 125V AC. Panel cutout 7mm.



Code	Type	Price per 10
907-3010	Push to Make	£1.99

Miniature low cost push to break switch with black button. Non-locking. Overall dimensions 28mm long, 10.5mm diameter. Rated 250mA 125V AC. Panel cutout 7mm.



Code	Type	Price per 10
907-3011	Push to Break	£2.05

Square Push Switches

A range of attractive miniature non-locking square push switches available in push to make or push to break contacts. Two different colour actuator buttons are also available providing a wide combination of types. Overall body dimensions 17x14x14mm. Rated 0.5A 250V AC. Panel cutout 12.5x10.5mm



PUSH TO MAKE		
Code	Colour	Price per 10
907-3031	Red	£3.50
907-3032	White	£3.80
PUSH TO BREAK		
Code	Colour	Price per 10
907-3033	Red	£3.80
907-3034	White	£3.80

PCB Keyboard Switch

Type D6 range of SPST normally open miniature PCB mounting keyboard switches with round tops. Primarily designed for digital applications. Momentary action with tactile feedback with actuator button available in three colours. Switches can be mounted on a 12.7mm pitch. Strapped terminals allow for the possibility of X, Y coding.

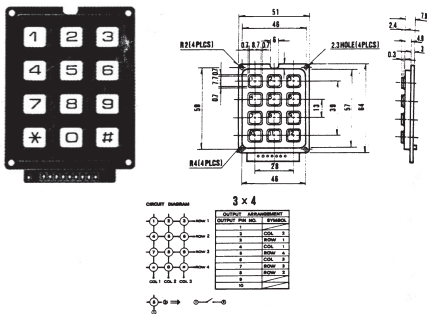


Code	Colour	Price per 10
907-4021	Black	£4.10
907-4022	Green	£4.10
907-4023	Red	£4.10

Switches

Matrixed Data Entry Keypad

A low profile 3 x 4 keypad of compact size suitable for use on hand held and other small equipment. A single rectangular cut is required to fit the keypad through the front panel and four mounting holes are required for the retention of the keypad. The conductive rubber contacts require a low operating force, but have a positive action to give the operator feedback. Connections are terminated to solder pads on the PCB at the lower edge of the switch. Supplied in matrixed format, circuit layout as below.



Code	Type	Price each
907-4030	Matrixed Keypad	£2.99

Miniature Tumbler Switch

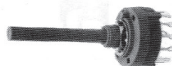
Suited to low voltage applications only.
Maximum 12V 3A



Code		Price per 10
907-4040	Tumbler Switch	£10.99

Rotary Switches

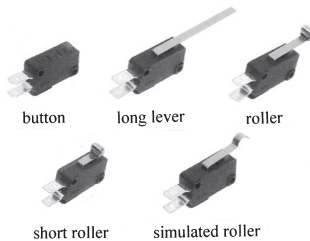
A range of high quality rotary switches moulded in glass filled nylon. Make before break contacts. Adjustable rotation stop. Mounting bush 9.8mm diameter. Spindle length 40mm.



Code	Type	Price each
907-4061	1 pole 12 way	£0.80
907-4062	2 pole 6 way	£0.80
907-4063	3 pole 4 way	£0.80
907-4064	4 pole 3 way	£0.80

Microswitches

A range of high quality standard size microswitches offering a switching capacity of 15A at 250V AC. Connection may be made by a ¼" connector or soldering. Type V3.



Code	Type	Price each
907-4051	Button	£0.75
907-4052	Long Lever	£1.15
907-4053	Roller	£0.99
907-4054	Short Roller	£1.05
907-4055	Simulated Roller	£0.85

Hardware

Black Control Knobs

Matched 23mm Diameter

Knobs with spun aluminium skirt and inlay. Available calibrated 1 to 10 or with arrow indication. Depth 14mm. Grub screw for 0.25" dia spindles.



Code	Type	Price each
908-1001	Arrow	£0.80
908-1002	Calibrated	£0.75

Matched 30mm Diameter

Knobs with spun aluminium skirt and inlay. Available either calibrated 1 to 10 or with arrow indication. Depth 18mm. Grub screw fixing for 0.25" spindles.



Code	Type	Price each
908-1011	Arrow	£0.80
908-1012	Calibrated	£0.75

Matched 37mm Diameter

Spun aluminium skirt and inlay. Available either calibrated 1 to 10 or with arrow indication. Depth 15mm. Grub screw fixing for 0.25" spindles.



Code	Type	Price each
908-1031	Arrow	£0.70
908-1032	Calibrated	£0.90

Multicoloured Control Knobs

A range of multicoloured control knobs with black bodies and a range of matching caps which clip into the top of the knob. Marker line on cap. Push on type. Ideally suited for mixers and audio equipment. 18mm diameter.



Only available while stocks last

Code	Colour	Price each
908-1041	Red	£0.22
908-1042	Yellow	£0.22
908-1043	Green	£0.22
908-1044	Grey	£0.22
908-1045	Blue	£0.22
908-1046	Black	£0.22

Matched Matt Black Control Knobs

A range of attractive matt black knobs with serrated finger-grip sides.

A square mark in white on the knob indicates position. Grub screw fixing for 6mm spindles.

A variety of sizes are available.



Code	Dia	Height	Price each
908-1051	15.0	14.0	£0.25
908-1052	19.5	15.0	£0.34
908-1053	24.0	20.0	£0.42
908-1054	35.0	17.0	£0.48

Black Pointer Knob

Black Pointer Knob with central indicator line in white. Made from phenolic plastic which is resistant to heat. Grub screw fixing for 0.25" spindles.



Code	Type	Price each
908-1060	Pointer Knob	£0.33

Mains Fuse



1" Mains Fuses for use in 13A plugs. Fully conform to BS1362.

Code	Type	Price per 10
908-2101	2A	£1.65
908-2102	3A	£1.80
908-2103	5A	£2.00
908-2104	13A	£1.90

Chassis Fuseholder

A PCB mounted chassis fuseholder for use with 20mm fuses. Rated max 10A 250V AC. Pin Pitch 22.0mm



Code	Type	Price per 10
908-2201	Chassis fuse holder	£1.30
908-2202	Cover for fuse holder	£0.75

Hardware

Transistor Oscillator Buzzer

Miniature transistor oscillator buzzer available with flying leads or PCB mounting options. These buzzers offer long life and maximum efficiency with minimum current dissipation.



Code	Type	Price
908-3001	3V Buzzer (leads)	£0.75
908-3002	6V Buzzer (leads)	£0.75
908-3003	12V Buzzer (leads)	£0.75
908-3004	6V Buzzer (PCB)	£1.05
908-3005	12V Buzzer (PCB)	£1.10

Ultrasonic Transducers

An ultrasonic transmitter and high sensitivity receiver designed for sending and receiving continuous or modulated waves in the 40KHz region through air. Applications include remove control, data transmission etc.

These units are not watertight.



Code	Type	Price each
908-3101	Transmitter	£2.35
908-3102	Receiver	£2.35

Ceramic Microphone Insert

Miniature ceramic microphone insert. All plastic body. Connection by flying leads.



Code	Type	Price each
908-4001	Ceramic Insert	£0.75

Miniature Loudspeaker

A miniature speaker measuring just 40mm in diameter for use in miniature portable equipment. Fitted with paper cone and alnico magnet. Solder connection tags. Impedance 8ohms. Handling capacity 100mW.



Code	Type	Price each
908-5001	8 ohm Mini	£0.86

Miniature Loudspeaker

A miniature speaker for use in small portable equipment. Fitted with paper cone and ferrite magnets. Solder connection tags. Both types 66mm diameter, 21mm deep.

Handling capacity 300mW.



Code	Type	Price each
908-5002	66mm 8ohm	£0.65
908-5003	66mm 64ohm	£0.65

Earphones

Low and high impedance earphones fitted with 0.8 metres of twin cable and terminated with a 3.5mm jack plug.

Available in either magnetic (low impedance 8 ohm) or crystal (high impedance 3 Megohm).



Code	Type	Price each
908-4003	Magnetic	£0.27
908-4004	Crystal	£0.98

Electret Microphone Insert

A subminiature omni-directional electret microphone insert.

Solder Pad mounting.



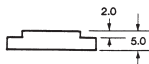
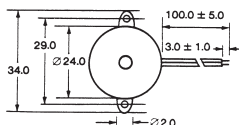
Code	Type	Price each
908-4002	Electret Insert	£0.55

Hardware

Miniature Piezo Transducer

A miniature flange mounting piezo audio transducer with flying leads housed in a compact package.

Requires an external drive circuit.

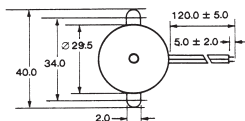


Code	Type	Price each
908-6002	Leads	£0.56

Miniature Piezo Transducer

A miniature flange mounting piezo audio transducer with flying leads housed in a compact package.

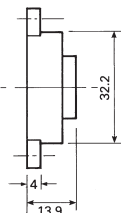
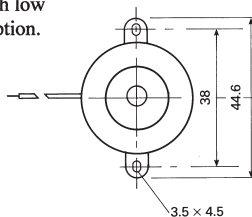
Requires an external drive circuit.



Code	Type	Price each
908-6003	Leads	£0.56

Miniature Piezo Buzzer

A miniature piezo buzzer available with flying leads. Offers a high output with low power consumption.



Code	Type	Price each
908-6001	Leads	£1.35

Quick Blow Fuses

A range of 20 x 5mm quick blow glass fuses manufactured to IEC127 sheet 2. Rated 250V AC.

Fully approved by SEMKO, VDE, SEV, BEAB and IMQ.

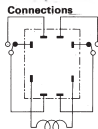
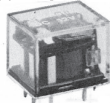


Code	Type	Price per 10
908-2001	50mA	£2.70
908-2002	100mA	£1.50
908-2003	250mA	£1.50
908-2004	500mA	£0.80
908-2005	1A	£0.80
908-2006	1.6A	£0.80
908-2007	2A	£0.80
908-2008	3.15A	£0.80
908-2009	4A	£0.80
908-2010	5A	£0.80
908-2011	6.3A	£0.80

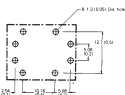
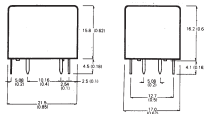
Relays

Miniature Relay DPDT 5A

A very low cost double pole changeover relay in a low profile package for mounting to printed circuit boards. Low power consumption typically 510mW. Flux tight construction.



Dimensions



Technical Specification

Contact Rating: 5A at 24V DC or 110V AC(120W) (AgCdO)
Contact Arrangement: Double Pole Changeover
Coil Voltages: 6V and 12V DC
Pickup Voltage: 75% of rated voltage
Operating Life: Mechanical: 1×10^7 operations
Electrical: 1×10^7 operations

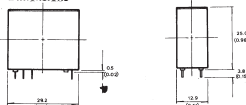
Code	Coil	Resistance	Price each
MR60-0400	6V DC	70 ohms	£0.98
MR60-0410	12V DC	280 ohms	£0.98

Miniature Relay SPDT 10A

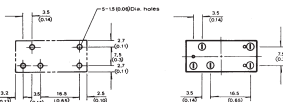
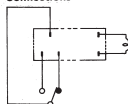
Vertical style miniature power relay with one changeover contact for PCB mounting. This relay conforms to VDE, SEV, UL & CSA and is pin for pin compatible with similar European models. Flux tight construction. Equivalent to Fujitsu FBR611 and Omron G2R117PV.



Dimensions



Connections



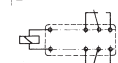
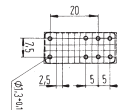
Technical Specification

Contact Rating: 10A at 24V DC or 240V AC (AgCdO)
Contact Arrangement: Single pole changeover
Coil Voltages: 6V and 12V DC
Pickup Voltage: 75% of rated voltage
Operating Life: Mechanical: 5×10^6 operations min
Electrical: 1×10^6 operations

Code	Coil	Resistance	Price each
MR60-0160	6V DC	68 ohms	£0.95
MR60-0165	12V DC	270 ohms	£0.80

Miniature Relay DPDT 5A

Vertical style miniature power relay with two changeover contacts for PCB mounting. This relay conforms to VDE, SEV, UL and CSA and is fully compatible in pin configuration to similar European models.



Connections

H: 25.5mm
W: 13mm
D: 29mm

Technical Specification

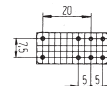
Contact Rating: 5A at 240V AC or 240V DC
Contact Arrangement: 2 DPDT changeover contacts
Coil Voltages: 6V and 12V DC
Operating Life: 20,000,000 at no load or
100,000 at max load

AVAILABLE ONLY WHILE STOCKS LAST

Code	Coil	Price each
MR60-0170	6V DC	£1.60
MR60-0175	12V DC	£1.60

Miniature Relay SPDT 16A

High power version of the above relays with a single set of changeover contacts.



Connections

H: 25.5mm
W: 13mm
D: 29mm

Technical Specification

Contact Rating: 16A at 240V AC or 24V DC (AgCdO)
Contact Arrangement: Single pole changeover
Coil Voltages: 6V and 12V DC
Operating Life: 100,000 operations at full 16A resistive or 8A inductive loads or 20,000,000 mech operations.

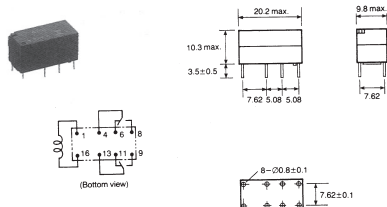
AVAILABLE ONLY WHILE STOCKS LAST

Code	Coil	Price each
MR60-0250	6V DC	£1.70
MR60-0255	12V DC	£1.70

Relays

Subminiature Relay DPDT 1A

An industry standard subminiature double pole changeover relay. Fully approved to BT type 47W indicating acceptance for use on private or public telecommunication equipment. These relays feature a flux-immune, washproof & fire retardant body. DIL pins are arranged on a 0.1in pitch. Coil consumption 500mW nominal.



Technical Specification

Contact Rating: 1A at 24V DC, 0.5A at 110V AC

Max switching power: 30W

Contact Arrangement: Double pole changeover

Contact material: Gold overlay silver contacts

Operate/release time: 6mS/3mS

Coil operating range: 75-110% of coil voltage

Mechanical life: >2x10⁷ operations

Electrical life: >5x10⁵ ops

British Telecom Codes: 5A 12V BT47W/6,

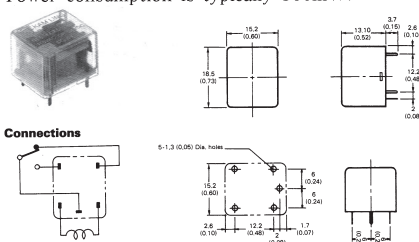
Code **Resistance** **Price each**

UR60-0350 50Ω £1.38

UR60-0360 12V 290Ω £1.38

Subminiature Relay SPDT 3A

A very low price, single pole changeover relay for low power use on printed circuit boards. Power consumption is typically 360mW.



Technical Specification

Contact Rating: 3A at 240V DC or 110V AC(80W) (AgCdO)

Contact Arrangement: Single pole changeover

Coil Voltages: 6V and 12V DC

Pickup Voltage: 80% of rated voltage

Operating Life: Mechanical: 1x10⁷ operations min.

Electrical: 1x10⁵ op (at max load)

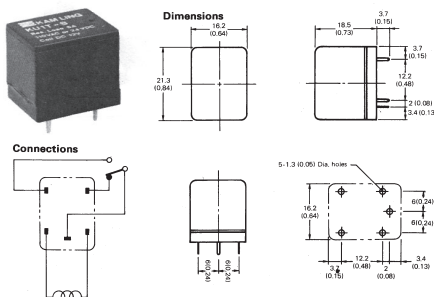
Code **Coil** **Resistance** **Price each**

UR60-0300 6V 100Ω £0.65

UR60-0310 12V 400Ω £0.65

Miniature Relay SPDT 5A

A very low cost single pole relay for direct mounting to printed circuit boards. Very low power consumption typically 360mW. Flux tight construction. Equivalent to Fujitsu FBR111 and Omron LC1N.



Technical Specification

Contact Rating: 5A at 24V DC or 110V AC(80W)

Contact Arrangement: Single pole changeover

Coil Voltages: 6V and 12V DC

Pickup Voltage: 80% of rated voltage

Operating Life: Mechanical: 1x10⁷ operations min

Electrical: 1x10⁵ operations min

Code **Coil** **Resistance** **Price each**

MR60-0350 6V 100Ω £0.75

MR60-0360 12V 400Ω £0.75

Semiconductors

Silicon Rectifier Diodes

Miniature 1A plastic diodes.

Code	VRRM	Price per 10
IN4001	50V	£0.40
IN4002	100V	£0.50
IN4003	200V	£0.50
IN4004	400V	£0.40
IN4006	800V	£0.40
IN4007	1000V	£0.40

Silicon Rectifier Diodes

Miniature 3A plastic diodes.

Code	VRRM	Price per 10
IN5401	100V	£1.90
IN5402	200V	£1.95
IN5404	400V	£2.10
IN5406	600V	£2.40
IN5408	1000V	£2.50

1.5A Bridge Rectifiers

Miniature 1.5A plastic encapsulate WOO series rectifiers for direct mounting to printed circuit boards.

Code	VRRM	Price per 10
WO05	50V	£1.50
WO2	200V	£1.60
WO4	400V	£1.60
WO6	600V	£1.70
WO8	800V	£1.80

3A Bridge Rectifiers

Miniature 3A plastic encapsulated bridge rectifiers for direct mounting to printed circuit boards.

Code	Equiv	VRRM	Price each
BR32	KBPC102	200V	£0.18
BR34	KBPC104	400V	£0.20

6A Bridge Rectifiers

Miniature 6A plastic encapsulated bridge rectifiers for direct mounting to printed circuit boards.

Code	Equiv	VRRM	Price each
BR62	KBPC602	200V	£0.73

Zener Diodes

Subminiature 500mW glass encapsulated Zener diodes.

Code	Voltage	Price per 10
BZYC2V7	2V7	£0.40
BZYC3V0	3V0	£0.40
BZYC3V3	3V3	£0.40
BZYC3V6	3V6	£0.40
BZYC3V9	3V9	£0.40
BZYC4V3	4V3	£0.40
BZYC4V7	4V7	£0.40
BZYC5V1	5V1	£0.40
BZYC5V6	5V6	£0.40
BZYC6V2	6V2	£0.40
BZYC6V8	6V8	£0.40
BZYC7V5	7V5	£0.40
BZYC8V2	8V2	£0.40
BZYC9V1	9V1	£0.40
BZYC10	10V	£0.40
BZYC11	11V	£0.60
BZYC12	12V	£0.40
BZYC13	13V	£0.60
BZYC15	15V	£0.40
BZYC16	16V	£0.40
BZYC18	18V	£0.40
BZYC20	20V	£0.40
BZYC22	22V	£0.40
BZYC24	24V	£0.40
BZYC27	27V	£0.40
BZYC30	30V	£0.40
BZYC33	33V	£0.40

Signal Diodes

A range of general Purpose low signal Diodes.

Code	Price each
OA90	£0.14
OA91	£0.12
1N4148	£0.04

Semiconductors

25A Bridge Rectifiers

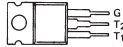
Metal clad bridge rectifiers.
Single hole fixing.
28mm square, 11mm high.



Code	VRRM	Price each
909-2251	200V	£0.89
909-2252	600V	£0.89

Triacs

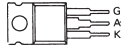
Texas instruments Triacs in plastic case. Ideal for use in lamp, motor and heater control etc.



Code	VDRM	IT	Price each
TIC206D	600V	4A	£0.60
TIC226D	600V	8A	£0.70

Thyristors

Texas instruments Thyristors in plastic case. Ideal for use in light and heater control, power supplies etc.



Code	VRRM	IT	Price each
TIC106D	400V	4A	£0.47
TIC116D	400V	8A	£0.50
TIC126D	400V	12A	£0.78

Voltage Regulators

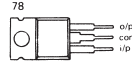
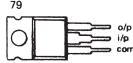
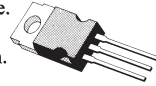
Miniature 100mA fixed voltage regulators with internal overload, thermal and short circuit protection. TO92 plastic case.



Code	Voltage	Price each
78L05	+5V	£0.20
78L12	+12V	£0.20
78L15	+15V	£0.20
79L05	-5V	£0.28
79L12	-12V	£0.28
79L15	-15V	£0.28

Voltage Regulators

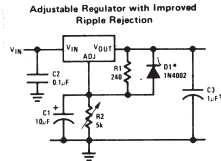
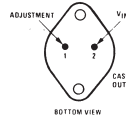
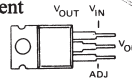
1A fixed voltage regulators in a TO220 plastic package. Internal overload, thermal and short circuit protection.



Code	Voltage	Price each
7805	+5V	£0.32
7812	+12V	£0.32
7815	+15V	£0.32
7905	-5V	£0.35
7912	-12V	£0.35
7915	-15V	£0.35

Variable Voltage Regulators

Three terminal positive variable regulators; output current limiting in addition to thermal protection.

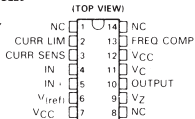


Code	O/P	Price each
LM317T	1.5A	£0.32
LM317K	1.5A	£1.55

Adjustable Voltage Regulator

Monolithic voltage regulator incorporating overcurrent protection, housed in a 14-pin DIL package.

With the minimum of external components will provide a positive supply of 2-6V or 6-8V or 8-37V at up to 150mA.



Code	Price each
LM723	£0.30

Optoelectronics

Miniature 3mm LED

A range of miniature 3mm round LEDs housed in a diffused coloured package. Cathode identified by flat on body.



Code	Colour	Price per 10
910-1301	Red	£0.50
910-1302	Green	£0.70
910-1303	Yellow	£0.70

Standard 5mm LED

A range of small LEDs suitable for PCB and panel mounting applications. 5mm diameter. Cathode identified by flat on body.



Code	Colour	Price per 10
910-1501	Red	£0.80
910-1502	Green	£0.90
910-1503	Yellow	£0.90

Ultrabright 5mm LED

A range of sunlight visible, high intensity 5mm LEDs which are particularly suited to signalling applications.



Code	Colour	Price per 10
910-1511	Red	£1.00
910-1512	Green	£1.10
910-1513	Yellow	£2.00

Flashing 5mm LED

A standard 5mm red LED with an inbuilt IC to produce a continuous flash at a frequency of 2Hz. Supply voltage 3.5 to 12V - no series resistor required. Ideal for use in warning devices, alarms etc.



Code	Colour	Price per 10
910-1521	Flashing Red	£3.30

3mm and 5mm Panel Clips

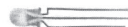
3mm one part and 5mm two part panel clips to suit above LEDs.



Code	Type	Price per 100
910-1003	3mm	£4.20
910-1005	5mm	£5.45

Tri-Colour 5mm LED

A range of miniature tri-colour 5mm LEDs offering several colour options housed in a milky package. Diodes are connected either in common cathode or common anode configuration and by connecting both together a third colour is obtained.



Code	Colour	Price per 10
910-1531	Red/Yellow	£1.10
910-1532	Green/Yellow	£1.50
910-1533	Red/Green	£1.50

High Intensity 8mm LED

High Efficiency 8mm LED in a diffused package. Particularly suited to warning devices, alarms etc.



Code	Colour	Price per 10
910-1801	Red	£1.15
910-1802	Green	£1.15
910-1803	Yellow	£1.15

Rectangular LED

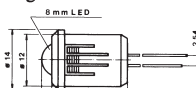
A range of 5x2mm Rectangular profile LEDs in coloured diffused packages. Matt finish top to device provides even spread lighted area.



Code	Colour	Price per 10
910-1541	Red	£1.00
910-1542	Green	£0.90
910-1543	Yellow	£1.00

8mm Bezel Panel Clip

Attractive push fit panel clip for 8mm LEDs in black nylon offering professional appearance at low cost. Mounting hole is 12mm.



Code	Type	Price per 10
910-1008	8mm	£1.75

Optoelectronics

Panel Neon Indicators

Attractive miniature panel mounting neon incorporating series resistor for operation direct from mains voltage. Polycarbonate body. Overall length 40mm. Panel cutout 10mm. 12mm diameter.



Code	Colour	Price each
910-1102	Red	£0.57
910-1103	Amber	£0.70

Miniature Panel Neon Indicator

Smart subminiature neon assembly incorporating series resistor for operation direct from mains voltage. Polycarbonate body. Small size permits them to be used even on high density panels. 7mm panel cutout. 8mm diameter. Overall length 29mm.



Code	Colour	Price each
910-1101	Red	£0.38

LES lampholders

An attractive range of miniature LES lamp-holders. Modern styling with flat domed polycarbonate lens. Solder tag termination. Chromed bezel. Overall length 27mm. Panel cutout 11mm. Available in four colours.



Code	Colour	Price each
910-3101	Red	£0.38
910-3102	Blue	£0.38
910-3103	Green	£0.38
910-3104	Orange	£0.38

MES Lamps

Miniature MES lamps in a wide range of voltages. 11mm diameter, 23mm overall length.



Code	Type	Price per 10
910-2201	1.5V 300mA	£0.90
910-2202	2.5V 200mA	£1.00
910-2203	3.5V 300mA	£1.00
910-2204	6.0V 60mA	£1.20
910-2205	12.0V 200mA	£1.20

Miniature LES Lamps

Miniature LES lamps to suit the holders below. Consumption typically 50mA.

Code	Voltage	Price per 10
910-2101	6V	£2.65
910-2102	12V	£2.65

MES Lampholders

MES battenholder. Black. Spring loaded contact, cross head screw connections.



Dimensions are 29mm diameter, fixing centres 23mm. To fit 11mm Lamps.

Code	Description	Price per 10
910-3200	Lampholder	£3.20

MES Lamp Base

A miniature MES lampholder terminated by solder tags at the base of the holder. Will accept all MES lamps. 10mm diameter, 11mm high.



Code	Description	Price per 10
910-3300	Lamp Base	£0.70

MES Lampholders

An attractive range of MES lampholders. Modern styling with flat domed polycarbonate lens. Solder tag termination. Chromed bezel. Overall length 48mm. Panel cutout 16mm.



Code	Colour	Price each
910-3401	Green	£0.48
910-3401	Blue	£0.48

WSL

WSL

Filament Lamp

Miniature lamps of 3mm diameter for use in miniature equipment and circuits with leads 150mm in length for easy connection to circuits. Rated 6V 60mA.



Code	Description	Price per 10
910-2300	Filament lamp	£2.85

Optoelectronics

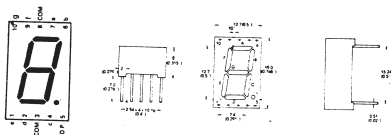
0.5" LED Display

0.5" (13mm high) seven segment display available in red, employing advanced GaA/IAs technology.

Right hand decimal point.

Connections run along the top and bottom of the display simplifying wiring in multidigit applications.

All displays are categorised for luminous intensity with white diffused segments and grey display surface to maximise on/off contrast.

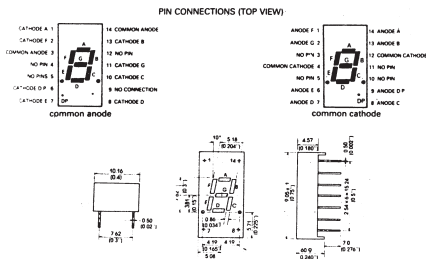


Code	Type	Price each
910-4201	Anode Red	£0.60
910-4202	Cathode Red	£0.65

0.3" LED Display

0.3" (7.5mm high) seven segment display available in red, employing GaA/IAs technology. Right hand decimal point. May be used with DIL socket or wired directly to PCB.

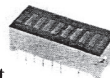
All displays are categorised for luminous intensity with white diffused segments and grey display surface to maximise on/off contrast.



Code	Description	Price each
910-4101	Cathode Red	£0.90

10 Bar Bargraph Display

A range of ten element bargraph displays comprising ten intensity matched LEDs housed in a 20 pin DIL package to form a neat compact display which may be end stacked to create bar graphs of various lengths. As all LEDs are individually packaged within the display the possibility of light leakage between elements is totally removed. Available in red and green with white diffused segments and grey display surface to maximise on/off contrast.

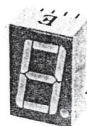


Code	Colour	Price each
910-4801	Red	£2.05
910-4802	Green	£2.05

0.56" LED Display

0.56" (14.2mm high) seven segment displays in red, employing GaA/IAs technology. Right hand decimal point.

Connections run along the top and bottom of the display simplifying wiring in multidigit applications. All displays are categorised for luminous intensity to maximise on/off contrast.



Code	Colour	Price each
910-4301	Anode Red	£0.65
910-4302	Cathode Red	£1.28

0.56" Dual LED Display

0.56" (14.2mm high) seven segment displays available in high efficiency red employing GaA/IAs technology. Right hand decimal point. The dual display represents considerable cost saving over single digit display types. Connections run (on a 0.1" pitch) along the top and bottom of the display. All displays are categorised for luminous intensity to maximise on/off contrast.

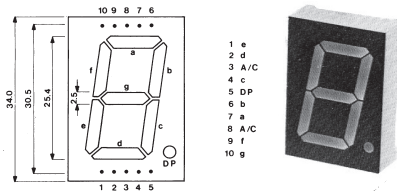


Code	Description	Price each
910-4303	Anode Red	£1.09
910-4304	Cathode Red	£2.29

Optoelectronics

1" LED Display

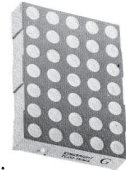
1" (25mm high) seven segment displays available in red, employing advanced GaA/IAs technology to produce a very high output display. Right hand decimal point. Connections run along the top and bottom of the display simplifying wiring in multidigit applications. All displays are categorised for luminous intensity with white diffused segments and grey display surface to maximise on/off contrast. Each segment contains two LED chips, decimal point has one.



Code	Description	Price each
910-4401	Anode Red	£0.99
910-4402	Cathode Red	£0.99

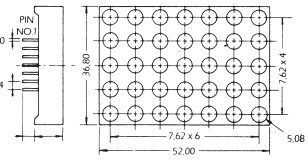
50.8mm Dot Matrix Display

A range of 5 x 7 dot matrix LED displays with X-Y select. Available in row anode or cathode configurations in red, employing advanced GaA/IAs technology to produce a very high output display. Displays are end or side stackable. All displays are categorised for luminous intensity with white diffused segments and grey surface to maximise on/off contrast.



PIN NO. FUNCTION

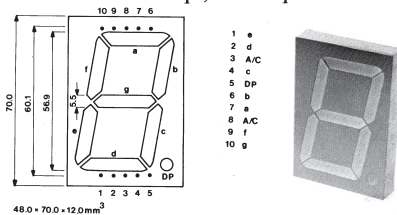
- 1 Anode Row 5
- 2 Anode Row 7
- 3 Cathode Column 2
- 4 Cathode Column 3
- 5 Anode Row 4
- 6 Cathode Column 5
- 7 Anode Row 6
- 8 Anode Row 3
- 9 Anode Row 1
- 10 Cathode Column 4
- 11 Cathode Column 3
- 12 Anode Row 4
- 13 Cathode Column 1
- 14 Anode Row 2



Code	Description	Price each
910-4601	Anode HE Red	£2.20

2.24" LED Display

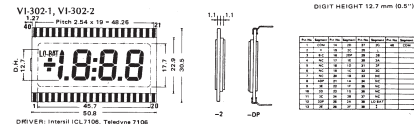
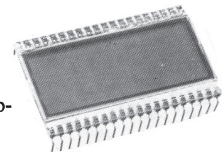
2.24" (57mm high) seven segment displays in red, employing advanced GaA/IAs technology to produce a very high output display. Right hand decimal point. Connections run along the top and bottom of the display simplifying wiring in multidigit applications. All displays are categorised for luminous intensity with white diffused segments & grey display surface to maximise on/off contrast. Each segment contains four LED chips, decimal point has two.



Code	Description	Price each
910-4501	Anode Red	£4.99
910-4502	Cathode Red	£3.45

LCD Displays

Liquid crystal displays having the advantage of very low power consumption (typically 5mA). Standard seven segment format incorporating interdigit decimal points and alternative interdigit colons. Digit size 12.7mm. Displays are transreflective type giving black opaque segments on a silvered background which can be back lit if required. Supplied with connectors on a 0.1" pitch. Supply voltage 3-12V rms.



Code	Type	Price each
910-4701	3 1/2"	£3.50

Optoelectronics

Infra-Red Source and Sensor

A spectrally matched infra-red source and sensor moulded in similar epoxy housings. When used as a coupled pair separation up to 25mm can be achieved. Readily interfaced with logic. Cathode identified by flat on body.



Code	Type	Price each
910-5001	Source	£0.14
910-5002	Sensor	£0.19

High Power Infra-Red Source and Sensor

A range of spectrally matched near infra-red emitters and sensors. The infra-red emitters have very high power output and are housed in a standard 5mm clear package. The sensor is a high speed PIN photo diode with high sensitivity housed in a black infra-red transmissive epoxy moulding.



Code	Type	Price each
910-5011	Standard Emitter	£0.25
910-5012	High Powered Emitter	£0.15
910-5013	Sensor	£0.79

Light Dependent Resistor ORP12

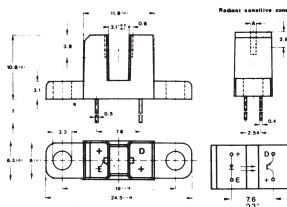
A cadmium sulphide cell light dependent resistor in a sealed plastic case with clear end window. Resistance reduces as the light falling on the device increases.



Code	Type	Price each
910-5020	ORP12	£1.30

Slotted Opto Switch

A Slotted opto switch with aperture comprising an infra-red emitter and sensor housed in a plastic polycarbonate body. A 3 x 6mm slot allows the beam to be broken with sensitive zone of 1mm². Ideal for event counting, level detection etc. Easily interfaced with logic circuits etc.



Code	Type	Price each
907-4070	Slotted Opto Switch	£0.60

Jumper Wire Kit

A kit of pre-stripped jumper wires for use with Protobloc prototyping boards. Housed in an attractive hinged plastic case. Total contents 350 jumper wires. A wide range of sizes are offered in a variety of colours for easy identification.



Code	Description	Price each
911-3100	Jumper Wire Kit	£13.99

PCB Equipment

Universal Solvent

A general purpose non-toxic water miscible solvent. May be used for cleaning glass, PVC, ABS, perspex etc. Solvent removes unwanted solder flux from PCBs and strips photo resist from etched boards.

Supplied in 1 litre bottle.

Code	Description	Price
911-1100	Universal Solvent 1L	£25.70

PCB Developer

A high resolution, positive working developing solution suitable for use in a tank or processing tray. This developer solution is less aggressive than some other developers which allows much greater control over the development process. It is also less affected by exposure to air so has a much longer shelf life. The solution is supplied in concentrate form and is mixed 3 parts water to 1 part developer if used at a temperature of approximately 30-35°C. The developer will work at lower temperatures but the concentration will have to be increased.

Supplied in 1 litre bottles (makes 4 litres of solution).

Code	Description	Price
911-1202	1ltr Developer (4ltr)	£22.05

PCB Liquid Etchant

Ferric chloride etchant supplied in liquid form. Can be used with metals such as stainless steel, nickel and brass at full strength or with copper when diluted by 30% with water. For etching metals and copper circuit boards.

Supplied in 5 litre bottles.

Code	Description	Price
911-1302	5ltr Etchant	£15.99



PCB Etching Crystals

Etching crystals for use in tanks and cuvettes. These crystals achieve satisfactory etching in seven to fourteen minutes at 40°C to 50°C. Supplied in pack of 1kg in crystal form sufficient to produce approximately 4 litres of working solution.

Code	Description	Price
911-1400	1Kg Etching Crystals (4ltr)	£11.20

Tin Plating Crystals

A new specially developed product for depositing resistant tin surfaces. This unique tin powder is mixed with warm 50°C water, allowed to cool and used at room temperature, no heated tanks are required. This low operating temperature allows very small tin molecules to be deposited giving a very smooth hard surface. This is the only immerse tin in the world capable of plating tin on tin. The longer the board is left immersed the thicker the deposit, 1.5 to 2.0 microns in the first half hour and 4.5 microns in up to 2 hours. Working solution will last up to six months, unmixed powder has unlimited shelf life. Available in 90gm (1 ltr) or 450gm (5 ltr) packs, sufficient to cover 0.6m or 2.7m of boards.

Code	Description	Price
901-1501	90gm Crystals (1ltr)	£24.15
901-1502	450gm Crystals (5ltr)	£61.95

Copper Tracking

Copper Tracking for making simple electrical and electronic circuits. 5mm wide, 50m reel with self adhesive backing supplied in a dispenser box.

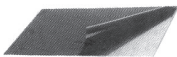
Code	Description	Price
911-3300	Copper Tracking (50m)	£7.45



PCB Equipment

Single Sided Photo Etch PCB

Single sided copper clad FR4 epoxy glass boards with positive photo resist coating. Boards are supplied with protective peel off plastic film.

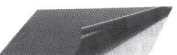


Suitable Developer & Etchant listed separately.

Code	Single Sided	Price each
911-2101	100 x 160mm	£2.75
911-2102	100 x 220mm	£3.75
911-2103	203 x 114mm	£4.99
911-2106	233.4 x 160mm	£5.55
911-2104	233.4 x 220mm	£6.95
911-2105	300 x 450mm	£22.50

Double Sided Photo Etch PCB

Double sided copper clad FR4 epoxy glass boards with positive photo resist coating. Boards are supplied with protective peel off plastic film.



Suitable Developer & Etchant listed separately.

Code	Double Sided	Price each
911-2201	100 x 160mm	£3.15
911-2202	100 x 220mm	£4.25
911-2203	233.4 x 160mm	£6.55
911-2204	233.4 x 220mm	£7.99
911-2205	305 x 457mm	£21.95

Plain Copper Clad Board

High quality 305g/m copper clad boards in epoxy glass material. Thickness 1.6mm. Suitable Ferric Chloride solution listed separately. Eurocard Size



Code	Single Sided	Price each
911-2301	100 x 160mm	£0.92
911-2302	233 x 160mm	£1.95
911-2303	100 x 220mm	£1.18
911-2304	233 x 220mm	£2.95

Polifix Block

The polifix block is a specially formulated, ultra-fine non metallic polishing compound carried in an elastic bonding material which cleans, degreases and polishes in one simple procedure. To use simply polish back and forth in straight lines and wipe clean with a clean cloth to remove traces of the abrasive.



Size 30 x 40 x 20mm

Code	Description	Price each
911-3040	Polifix Block	£3.45

Polypropylene Tray

A simple easily handled polypropylene tray suitable for developing and etching printed circuit boards.



Overall size 380 x 240 x 55mm

With carrying lips.

Code	Description	Price each
911-1600	Polypropylene Tray	£1.52

Jumper Links for Protoblocs

A range of jumper links for use with Protobloc prototyping boards. Specially designed plugs are employed which significantly extends the life of the connector.



Available in a range of sizes which are also colour coded for easy identification.

Pack Contents 10 Jumper Links

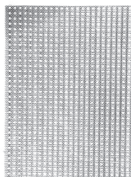
Code	Size	Price pk 10
911-3101	50mm	£3.95
911-3102	70mm	£3.99
911-3103	100mm	£4.50
911-3104	150mm	£4.55
911-3105	200mm	£4.60

PCB Equipment

Stripboard

Full pierced Stripboard is used for prototype and development work and may be readily cut to the size of the finished circuit. Provides a simple form of printed circuit with the copper strips forming the interconnections which may be cut where necessary.

Manufactured from copper clad laminated board. All boards are punched on a 0.1" pitch.



Code	Size	Holes	Price each
911-2401	25x64	9x25	£0.34
911-2402	64x95	24x37	£0.99
911-2403	95x127	36x50	£1.80
911-2404	95x432	36x170	£6.50
911-2405	119x455	46x179	£8.20

Matrix Board

Similar to stripboard above but without copper strips.

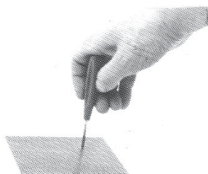
Manufactured in SRBP punched on a 0.1" grid to accept terminal pins detailed. May be readily cut to the size of the finished circuit.



Code	Size	Holes	Price
911-2501	95x127	36x50	£1.99
911-2502	119x455	46x179	£2.90

Stripboard Tools

Stripboard cutter for simple track cutting. Insert tool at the point where break is required and twist clockwise.



Code	Description	Price each
911-2600	Stripboard Cutter	£2.75

Terminal Pins

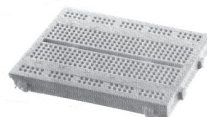
Press fit terminal pins for use with stripboard.



Code	Description	Price Pk 100
911-2700	Single Sided	£1.05

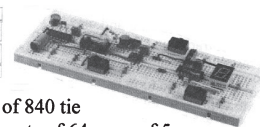
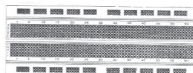
Protobloc Prototyping Boards

Protobloc is a prototyping system offering a fast and economical method for circuit construction and development. The system is completely solderless in concept thus allowing components to be used time and time again. Components are plugged into the board and are retained by double leaf spring contacts. By spacing sockets on a 2.54mm matrix all dual-in-line integrated circuits, plus many other components such as resistors, capacitors, switches and LEDs can simply be plugged into the board. An ideal system for the teaching of electronic systems and circuit design.



Protobloc 1 has a total of 400 tie points consisting of two sets of 30 rows of 5 interconnected contact sockets plus 4 rows of 25 interconnected sockets running alongside, suitable for use as power supply rails. All contact positions are clearly defined on an alphanumeric grid. ABS polymer board mounted on an adhesive foam base. Will accommodate up to three 16 pin devices. An ideal introduction to solderless circuit development systems.

Code	Description	Price each
911-3010	Protobloc 1	£3.75

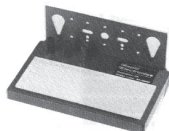
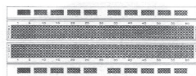


Protobloc 2 has a total of 840 tie points consisting of two sets of 64 rows of 5 interconnected sockets plus 4 rows of 50 interconnected sockets running alongside, suitable for use as power supply rails. All contact positions are clearly defined on an alphanumeric grid. ABS polymer board mounted on an adhesive foam base. Will accommodate up to seven 16 pin devices. Additional clip-together contact socket sets are available.

Code	Description	Price each
911-3020	Protobloc 2	£6.65

PCB Equipment

Protobloc Prototyping Boards



Protobloc 2A has a total of 840 tie points consisting of two sets of 64 rows of 5 interconnected contact sockets plus 4 rows of 50 interconnected sockets running alongside, suitable for use as power supply rails. All positions are clearly defined on an alphanumeric grid. The ABS polymer board is mounted onto a rigid base plate complete with three 4mm terminals in red, black and green for power connections. A mounting bracket which clips into the base is also provided to accept a variety of components including switches and potentiometers etc.

Code	Description	Price each
911-3021	Protobloc 2A	£12.45

Protobloc 2B has a total of 958 tie points consisting of five sets of 28 rows of 6 interconnected contact sockets with 5 screw terminals alongside, suitable for use as power supply rails. Five colour-coded 4mm terminals are connected to contact sockets on the board for easy power supply connection. All positions are clearly defined on an alphanumeric grid. The ABS polymer board is mounted on an adhesive foam base and units can be clipped together to accommodate larger circuit designs.

Code	Description	Price each
911-3022	Protobloc 2B	£11.90

Protobloc 2C has a total of 2854 tie points consisting of 15 sets of 28 rows of 6 interconnected contact sockets plus 12 rows of 24 interconnected sockets, suitable for use as power supply rails. Five colour-coded 4mm terminals are connected to contact sockets on the board for easy power supply connection. All positions are clearly defined on an alphanumeric grid. The ABS polymer board is mounted on an adhesive foam base.

Code	Description	Price each
911-3023	Protobloc 2C	£26.60

Professional Prototyping Board

Professional prototyping board which has 555 contacts arranged in 2 blocks of 43 rows of 5 interconnected sockets on 1 2.54mm pitch. 5 other rows of 25 interconnected sockets, two on either side and one central between the two main blocks, are used as bus-bars. Individual boards can be clipped together both sideways and end-on to produce larger boards. Contacts are replaceable from underneath the board if damaged.

A connection and maintenance kit is available comprising ten 1m lengths of single cored, colour coded PVC covered wire for interconnections, plus five strips of five-way contacts and one 25 way contact strip for replacements.

Dimensions 114 x 48 x 12mm.

Code	Description	Price
911-3031	Powered Protobloc	£12.05
911-3032	Wire & contacts kit	£6.95

Powered Protobloc

A powered protobloc offering the convenience of a large breadboarding area allied to a fully regulated power supply enclosed in a sturdy fully earthed steel cabinet. The protobloc area has a total of 2420 tie points consisting of 3 sets of 64 rows of 5 interconnected contact sockets plus 5 rows of 50 interconnected sockets running alongside suitable for use as power supply rails. The power supply offers 5V at 1A output plus +15V at 500mA and -15V at 500mA. The 15V supplies can be continuously adjusted from 0 to 15V. The unit features mains power switch plus fused input and is fully short circuit and overload protected. Supplied with 2 metre mains lead. All that is required is a 13A mains plug.

Dimensions 250 x 200 x 80mm.

Code	Description	Price
911-3000	Powered Protobloc	£136.75

PCB Equipment

Single Etch Tank

Single etch tank for prototyping and the small batch production of printed circuit boards as well as for etching metal foils. The cuvettes are made of crystal clear acrylic which are mounted on a plastic tube in which a diaphragm pump is mounted. The etching device includes one heater element for heating up the etchant to a temperature of 45°C, a PCB-holder for carrying the printed circuit boards while etching and a thermometer. During etching the membrane pump together with the air curtain tube inside the cuvette produces tiny air bubbles which reduces the etching time.

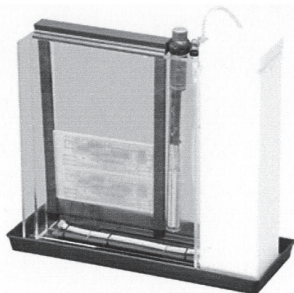
Features

- Super slim acrylic glass tank.
- Pump and air curtain tube inside the tank for producing small air bubbles inside the etchant.
- Adjustable glass heater with temperature range +36°C to +45°C.
- Adjustable PCB holder to carry circuit boards of various sizes
- Glass Thermometer.
- Plastic Dip Tray.
- Dimensions (LxWxH) 285x105x320mm.

Technical Data

Code:	911-4101
Top Opening:	210x25mm
Max board size:	235x170mm
Capacity:	1.75l
Heater:	150W
PCB Holder:	Single slot
Weight:	2.2kg
Etching Sulphate Needed:	400g

Code	Type	Price each
911-4101	Single Etch Tank	£199.99
911-4104	Replacement Syphon Pump	£8.00



Double Etch Tank

Double etch tank for prototyping and the small batch production of printed circuit boards as well as for etching metal foils. The cuvettes are made of crystal clear acrylic which are mounted on a plastic tube in which a diaphragm pump is mounted. The etching device includes one heater element for heating up the etchant to a temperature of 45°C, a PCB-holder for carrying the printed circuit boards while etching and a thermometer. During etching the membrane pump together with the air curtain tube inside the cuvette produces tiny air bubbles which reduces the etching time.

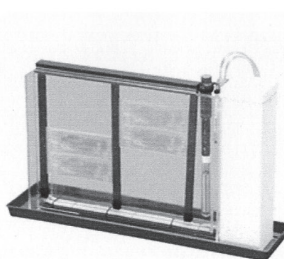
Features

- Super slim acrylic glass tank.
- Pump and air curtain tube inside the tank for producing small air bubbles inside the etchant.
- Adjustable glass heater with temperature range +36°C to +45°C.
- Adjustable PCB holder to carry circuit boards of various sizes
- Glass Thermometer.
- Plastic Dip Tray.
- Dimensions (LxWxH) 445x105x320mm.

Technical Data

Code:	911-4102
Top Opening:	365x25mm
Max board size:	235x330mm
Capacity:	2.25l
Heater:	150W
PCB Holder:	Double slot
Weight:	2.8kg
Etching Sulphate Needed:	600g

Code	Type	Price each
911-4102	Double Etch Tank	£299.99
911-4104	Replacement Syphon Pump	£8.00



PCB Equipment

Tri-Tank Etch Unit

Self contained triple PCB processing unit with built in develop, wash and bubble etch functions providing a convenient bench standing system. This unit eliminates the normal untidiness associated with producing PCBs to the solderable-etched stage. A resist strip, wash, immerse Tin combination can be added to produce a full PCB processing run. This unit is suitable for metal etching applications including the production of PCBs from photoresist coated or conventional copper clad boards. Only suitable for use with fine etch crystals (sodium persulphate) not recommended for use with ferric chloride. Supplied complete with 2 metre mains cable.

Features

- Three independent acrylic glass tanks.
- Diaphragm pump and air curtain tube inside the tank for producing small air bubbles inside the etchant.
- Adjustable glass heater with temperature range +36°C to +45°C.
- Adjustable PCB holder for mounting circuit boards of various sizes
- Drain Cock in each tank
- Glass Thermometer.
- Plastic Dip Tray.
- Dimensions (WxDxH): 420x325x440mm.

Technical Data

Code:	911-4103
Max board size:	310x240mm
Capacity of the tanks;	
Tank 1:	4ltr
Rinsing tank 2:	8ltr
Etching tank:	4ltr
Etching Sulphate Needed:	1000g (per 4l)
Sodium Hydroxide Needed:	40g (per 4l)
Heater:	150W
Heat up time:	30 minutes
Weight:	10kg
Weight (with fluids):	26Kg

Code	Type	Price each
911-4103	Tri-tank system	£655.00
911-4104	Replacement Syphon Pump	£8.00

Seno PCB Applicators

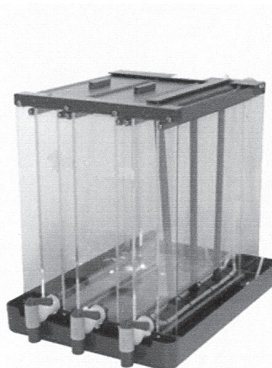
This range of applicators contain ready to use, room temperature chemicals, completely sealed in a container terminated by a sponge with valve mechanism which dispenses precisely the right quantity of chemicals on each board. When not in use the sponge is protected by a cap. All applicators are waste-free and completely safe, when exhausted they can be thrown away just like any other refuse. There is no need for special precautions to be taken when using these applicators since each mixture is non-hazardous for instance, the developers are totally free from sodium hydroxide. Each applicator has a shelf life of two years.

The range of applicators available, which offer a real alternative to mixing hazardous chemicals in trays and tanks are:

SN111 Soft developer - as the normal developer but for the spray-on photo resists or very freshly applied photo resist.

SN100 Photo resist applicator - easily applied, very quick drying, positive working photo resist.

Code	Type	Price
911-4302	SN111 Soft Developer	£8.25
911-4303	SN100 Photo Resist	£9.55



PCB Equipment

Ultraviolet Exposure Units

Ultraviolet exposure units designed for the exposure of single sided fotosensitive materials such as base materials or foto sensitive films. These devices are user friendly and very easy to use. The oscillator based electronic timer allows the precise adjustment of the exposure time with 1 knob operation (mode, time, Start/stop) only. The seven segment LED display shows the adjusted time and while the device is active the remaining time. These exposure units are designed for use in schools, dry rooms, offices and living rooms as well as laboratories and small factories.

Features

- Fully metal housing out of anodised aluminium profiles and plates.
- Grindet glass plate with high UV transparency for UV-A wave length.
- Special fluorescent lamps, wave length 350-400nm (UV-A).
- Intensive and all-over illumination of the working area.
- Constant contact pressure between cellular material in lid and glass plate.
- Electronic timer with selectable time ranges 1-600 seconds or 1-100 minutes, 1-knob operation, seven segment LED display.
- Leading bar for exact adjustment of films and plate.

Technical Data

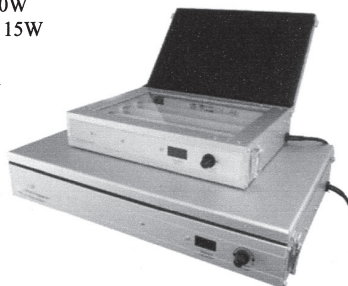
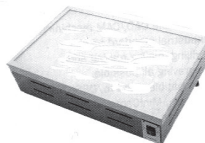
Code:	911-5101	911-5102
Dimension (LxBxH):	317x225x90mm	473x310x93mm
Mounting area:	160x250mm	240x365mm
Power Consumption:	32W	60W
Number of UV tubes:	4 x 8W	4 x 15W
UV Wave Length:	365nm	
Timer:	1-600s /1-100min	

Code	Working Area	Price each
911-5101	160 x 250mm	£269.99
911-5102	240 x 360mm	£333.99

Lightboxes

Two-tone tough grey, robust mild steel lightboxes which provide a valuable aid in the preparation of artwork. The Lightboxes contain two cool white fluorescent tubes which are mounted below an acrylic diffuser and a toughened glass working surface to provide an even illumination over the whole viewing area. Contains louvres on all side to ensure a natural air flow. The A2 and A3 lightboxes have an on/off switch which selects one or two tube operation. They also have a tilt facility which adjusts the viewing angle. Complete with 2m mains lead.

Code	Description	Price each
911-5240	A4 Lightbox	£129.00
911-5230	A3 Lightbox	£149.00
911-5220	A2 Lightbox	£179.00



PCB Drills

PCB Precision Drill

A high quality precision PCB drill with DC motor with very high speed for a variety of applications which provides a smooth, powerful drilling performance. The drill is fitted with ball races to accommodate side loading and has a pencil grip for ease of use. The drill is supplied complete with a keyless chuck which accepts drill sizes from 0.4 to 3.5mm.

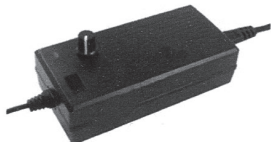
No load speed: 0-20000/min
Voltage: 0-18V DC
Maximum Output: 45W
Chuck Capacity: 0.4-3.5mm keyless
Body Dimensions: 190x34mm
Weight: 180g



Code	Type	Price
915-1200	Precision Drill	£32.50

PCB Precision Drill Power Supply

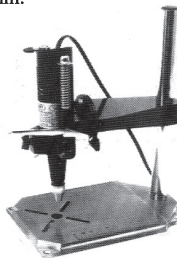
Variable speed transformer to regulate and control the rotation speed of the PCB precision drill from 240V AC mains to provide a primary output of approximately 230V with a secondary output of maximum 9-16V which obtains maximum torque from the drill. The output is completely short circuit proof and is fitted with an internal overload cut-off system with automatic reset. Offers sufficient power for uninterrupted work at varying speeds. Supplied with 1 metre cable and UK mains plug fused at 5A.



Code	Type	Price each
915-1300	Precision Drill Power Supply	£31.99

Precision Drill Stand

A high quality heavy duty metal pillar stand for use with the precision PCB Drill. Provides high stability with accurate operation and an adjustable spring return on the lever. Features a rotating spindle on the supplying axle and facilitates either horizontal or vertical drilling. Mounted on heavy cast baseplate (195x135mm) which may be screwed to a bench. Overall height 260mm allowing a maximum drilling depth of 30mm.



Code	Type	Price
915-1400	Precision Drill Stand	£39.99

Chuck for PCB Precision Drill

Chuck with lapped jaws ranging up to 6mm.



Code	Type	Price
915-1201	Chuck	£6.75

Collet Chuck and Collets

A complete chuck with 4 collets which range from 0.3 to 3.2mm.




Code	Type	Price
915-1205	Collet Chuck and Collets	£2.95

PCB Drills

Reduced Shank PCB Twist Drill Bits

A range of high speed shank drills fitted with 2.35mm shanks designed primarily for use with our electric PCB drills.

Code	Size		Price each
725-0006	0.6mm		£1.53
725-0008	0.8mm		£1.53
725-0009	0.9mm		£1.53
725-0010	1.0mm		£1.73
725-0012	1.2mm		£1.53
725-0014	1.4mm		£1.53
725-0016	1.6mm		£1.53

Tungsten Carbide PCB Drill Bits

A range of high quality solid straight shank tungsten carbide drill bits for use on printed circuit boards. These drills offer considerably extended life over standard HSS drills particularly when used with epoxy glass boards.

Overall length 38mm. Common shank size 3.15mm.

Code	Size	Price each
725-1006	0.6mm	£3.15
725-1008	0.8mm	£3.15
725-1009	0.9mm	£3.15
725-1010	1.0mm	£3.15
725-1012	1.2mm	£3.15
725-1014	1.4mm	£3.15
725-1016	1.6mm	£3.15
725-1020	2.0mm	£3.15

General Accessory Kit and Glass Engraving Kit

Accessories for Minicraft drills.

The accessory kit is a 216 piece set containing grinding wheels, stones, burrs, sanding drums, felt polishing tips and compounds. The Engraving kit contains a selection of 30 tools for engraving on glass, metal, stone and plastics.

Code	Description	Price per set
915-1900	Accessory Kit	£13.60
915-1906	Engraving Kit	£13.60



Reground Tungsten Carbide Drill Bits

A range of high quality pre-used tungsten carbide drill bits for use with printed circuit boards. The drill bits have mainly been used on CNC drilling machines by European PCB manufacturers and are then reground to be as sharp as new. As occasionally these drill bits may be fractionally shorter than the 38mm length of a brand new drill bit they should not be used in CNC drilling machines but they offer exceptional savings to users of other types of drilling machines. Supplied in packs of 10 drills housed in a handy wallet style case.

Common shank size 3.18mm.

Code	Size	Price Pk10
725-2060	0.6mm	£15.15
725-2070	0.7mm	£15.15
725-2090	0.9mm	£15.15
725-2095	0.95mm	£15.15
725-2100	1.0mm	£15.15
725-2105	1.05mm	£15.15
725-2115	1.15mm	£15.15
725-2120	1.25mm	£15.15

PCB Drill Set

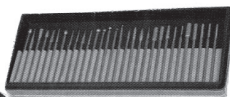
A drill set comprising a set of 20 miniature HSS twist drills ranging from 0.3mm through to 1.6mm which are ideally suited to PCB drilling. Supplied in a handy plastic dispenser box with drill diameters clearly marked.

Code	Description	Price per set
725-3020	PCB Drill Set	£9.90
Sizes Supplied:		
0.3, 0.35, 0.4, 0.45, 0.5, 0.55, 0.6,		
0.65, 0.7, 0.75, 0.8, 0.85, 0.9, 0.95,		
1.0, 1.2, 1.3, 1.4, 1.5 and 1.6mm		

Resistance Substitution Box

A system for selecting a correct resistor value within a circuit. A neat swivelling disc provides close tolerance substitution resistors of 36 preferred values from 50hm through to 1Mohm. Simply attach crocodile clips into circuit and swivel until optimum result is achieved. Features high stability 0.25W 5% resistors.

Code	Type	Price each
913-3100	Resistance Box	£10.50
		WSL



PCB / Model Builders Drill & Accessories

Universal Model Builders Kit

Containing a 12-18v DC 18-45 watt output drill with a chuck capacity 0.3mm-3.5mm for hand use or in conjunction with the 0510 or 0512 Drill Stands. Kit Includes: 6 assorted abrasive points, 6 HSS drills, 2 arbours, 2 x 22mm dia cutting discs, 1 x 22mm grindstone, 1 x diamond-coated abrasive point.

Code	Description	Price per kit
0609B	Universal Model Builders Kit	£85.85

Drill Stand

Greatly facilitates precision work. Triple metal guides ensure a high degree of accuracy. Can be used vertically or horizontally. Fixed to the bench with 2 D-clamps. The drill stand is indispensable for high-precision drilling, and ideal for use with the flexible drilling shaft.

Overall Height:	210mm
Base:	100 x 120mm
Max Drilling Depth:	30mm
Rise & Fall Height:	0-100mm

Code	Description	Price each
0510	Drill Stand	£24.71

Solid Metal Drill Stand

Heavy solid metal construction. Accurate, no-play operation. Can be used with standard size drills after removing adaptor ring.

Overall Height:	320mm
Base:	170 x 210mm
Max Drilling Depth:	45mm
Rise & Fall Height:	0-120mm

Code	Description	Price each
0512	Solid Metal Drill Stand	£42.99

Machine Vice

Fits Drill Stand 0512.

Jaw Width: 30mm
Gripping Capacity: 30mm
with mounting bracket

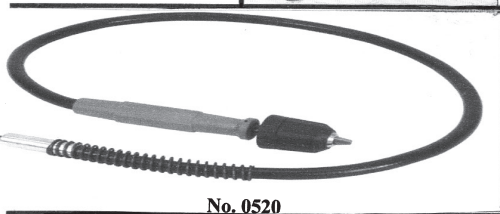
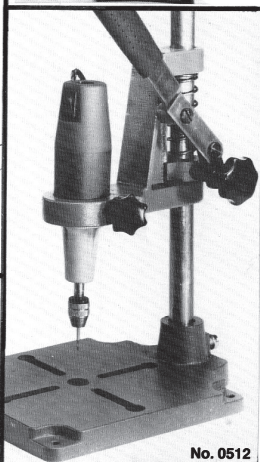
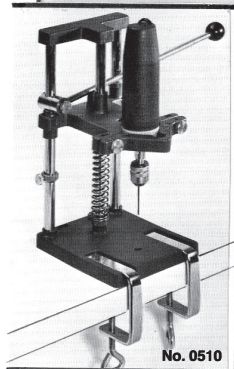
Code	Description	Price each
0510	Machine Vice	£8.00

Flexible Drill Shaft








High precision, flexible mini drill shaft. Plastic-covered spiral spring prevents over-loading and bending of the shaft. The ideal tool where access is limited. The small size gives good handling.

Overall length approx: 700mm

Code	Description	Price each
0520	Flexible Drill Shaft	£14.50



PCB / Model Builders Accessories

Code Description 1606 Polishing Wheels 22 & 17mm dia + Arbour  Price per set £2.92	Code Description 1610 3 Abrasive Points  Price per set £2.95	Code Description 1611 3 Abrasive Points  Price per set £2.96	Code Description 1620 3 Grindstones + Arbour – Hard Medium & Soft  Price per set £3.15
Code Description 1624 3 Grindstones  Price per set £3.09	Code Description 1625 Fan-type Grindstone  Price per set £3.41	Code Description 1632 6 Cutting Discs 22mm dia + Arbour  Price per set £2.50	Code Description 1640 2 Circular Saw Blades 12 & 19mm + Arbour  Price per set £4.40
Code Description 1641 2 Circular Saw Blades 16 & 22mm dia + Arbour  Price per set £4.40	Code Description 1650 2 Mounted Polishing Felts  Price per set £2.93	Code Description 1651 2 Polishing Felts  Price per set £2.93	Code Description 1670 3 Wire Brushes  Price per set £4.02
Code Description 1671 3 Brass Brushes  Price per set £4.02	Code Description 1672 3 Chung Brushes (Bristles)  Price per set £4.02	Code Description 1700 3 Burrs 2 & 3mm dia  Price per set £2.93	Code Description 1701 3 Burrs 2 & 3mm dia  Discontinued Price per set £2.92
Code Description 1702 3 Burrs 2.3 & 1.4mm dia  Price per set £2.93	Code Description 1706 3 Assorted Burrs 5mm  Price per set £10.24	Code Description 1708 Set Carbide Burrs 2.3 & 1.8mm dia  Price per set £10.24	Code Description 1709 Set Carbide Burrs 0.5 & 1mm dia  Discontinued Price per set £10.24
Code Description 1712 1.4mm dia Diamond-coated Abrasive Point  Price each £4.71	Code Description 1714 2.3mm dia Diamond-coated Abrasive Point  Discontinued Price each £4.71	Code Description 1716 2.7mm dia Diamond-coated Abrasive Point  Price each £6.62	Code Description 1717 Flame Shaped Diam-coated Abrasive Point  Discontinued Price each £4.71
Code Description 1719 Diamond-coated Abrasive Point  Price each £10.98	Code Description 1720 0.4mm 0.6mm 0.8mm & 1mm 4 HSS Drills  Price per set £3.48	Code Description 1722 2mm 2.2mm 2.4mm & 2.6mm 4 HSS Drills  Price per set £3.48	Code Description 1726 1.0mm Carbide  Price each £5.85
	Code Description 1721 1.2mm 1.4mm 1.6mm & 1.8mm  Price per set £3.48	Code Description 1723 1.5mm 2mm 2.5mm & 3mm  Price per set £3.48	Code Description 1728 1.2mm Carbide  Price each £5.85

Available while stocks last

Weller Soldering Irons & Soldering Gun

Weller Soldering Irons

The Marksman range of soldering irons have been designed to conform to BS3456. Marksman irons have thermo-plastic handles which are designed for comfort and a firm, safe grip. All electrical connections are mechanically and electrically secure. The mains lead is to BS6500 and has a strain relief to protect the lead where it enters the handle. A cable clamping screw holds the lead firmly in position and eliminates strain on electrical connections.

Code	Watts	Volts	Price
SP15	15	230	£21.52
SP25	25	230	£21.77
SP40	40	230	£24.09
SP80	80	230	£29.72
SI-120D	120	230	£53.80
SI-175D	175	230	£65.05

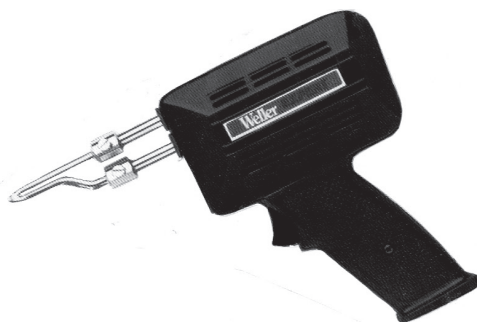


Weller Soldering Irons Tips

Code	Type	Size	For	Price
MT1	Screw	3mm	SP25	£4.99
MT6	Straight	3.5mm	SP15	£4.75
MT5	Straight	4.5mm	SP25	£3.65
MT10	Straight	6.3mm	SP40	£2.58
MT30	Straight	12.7mm	SI-120D	£12.85

Bench Holders

Code	For	Price each
BHS1	15, 25 & 40 Irons	£5.13
BHWM	WM12D	£6.13



Black Universal Soldering Gun with high efficiency copper soldering tip. Pistol grip with instant heat fingertip trigger switch. Ideal for hobbies, model making and home repairs.

Universal Soldering Gun Kit

Universal Soldering Gun Kit contains 9200 Gun, cutting tip, smoothing tip, rosin core solder, soldering aid and a 24-page information booklet with craft hints. All contained within a sturdy compact carrying case.



Universal Soldering Gun

Code	Watts	Volts	Price
9200UD	100W	240V	£36.99
9200UDK Kit	100W	240V	£56.99
Tips	Type		Price
7135	Soldering		£3.59
6110	Plastic Cutting		£6.95
6120	Plastic Smoothing		£6.99

Hobby Irons / Tweezers

Weller Tools - Hobby Irons

HK30UK is a hobbyist's kit with woodburning features, 10 tips and a hot knife for all types of woodburning designs. The kit includes a stand and project book which has instructions for the use of each tip.

Code	Description	Price
HK30UK	Woodburning Hobbykit	£21.99

HK2UK is for stained glass work, building terrariums or lamp shades.

Code	Description	Price
HK2UK	Hobbykit 2 Stained Glass	£30.08

Replacement Tips

SG10	Iron Plated sloped 45° 7mm Wide Tip	£11.13
MTG20	Iron Plated Straight 9.6mm Wide Tip	£9.70

Fire Writer Pyrography Unit

Professional pyrography station with adjustable temperature (0-650°C). The slim pen is comfortable when working and features easy to change tips. Includes pre-fabricated tips and style WT tip which allows you to make your own shaped tips using nickel chrome wire.

Code	Price
FWP650	£118.60

Tweezers

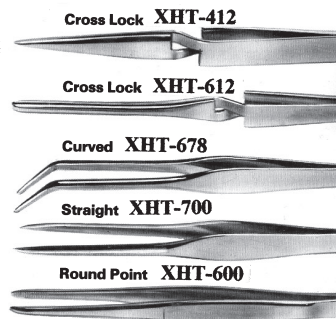
Code	Size	Description	Price
XHT-412	115 / 4½	Self closing, smooth sharp points for holding work.	£8.60
XHT-612	165 / 6½	Self closing, especially good for soldering and gluing	£4.58
XHT-678	174 / 6.7/8	For better view of close work for hard to reach places.	£4.79
XHT-700	178 / 7	Slender tapered point to fit in tight places.	£4.68
XHT-600	152 / 6	Serrated points for sure grip opens to 19mm / ¾" width.	£4.69



Accessories for Old Type Irons

NOTE: will also fit old Type SI-25D Iron

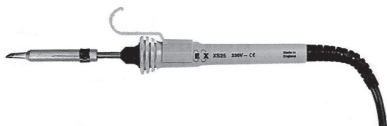
Code	Description	For	Price
WHA11	5 Patterned wood burning tips	WH1	£3.28
WHA20	3 Hot Knife blades	WH2	£3.28



Soldering Equipment

Antex 230V Soldering Irons

Antex soldering irons now available with fitted 13A mains plug. The CS18W and XS25W iron are available either with 1.5 metres of PVC cable and moulded 13A plug fused at 3A, or fitted with 1.5 metres of heatproof silicon cable and fitted 13A mains plug fused at 3A. A comprehensive range of bits and elements are available. Supplied fitted with a 2.3mm bit.



Code	Description	Price
18 Watt Irons		
803-1100	CS18W + PVC cable	£17.40
803-1110	CS18W + Silicon Cable	£19.75
803-1120	CS18W Element	£7.30
803-1121	1.0mm bit	£2.65
803-1122	2.3mm bit	£2.65
803-1124	4.7mm bit	£2.65
25 Watt Irons		
803-1200	XS25W + PVC cable	£17.45
803-1210	XS25W + Silicon cable	£19.95
803-1220	XS25W Element	£7.30
803-1221	1.0mm bit	£2.65
803-1222	2.3mm bit	£2.65
803-1223	3.0mm bit	£2.65
803-1224	4.7mm bit	£2.65

Silicon Cable for Irons

Silicon heat resistant cable is now recommended for use with soldering irons (in particular mains powered irons) which will survive contact with the heated soldering iron tip. This cable enables the user to convert existing PVC cabled irons. The cable is prestripped and tinned to overall length 1.5 metres making installation relatively easy.

Suitable for use with Antex CS, C, M, G and XS series of irons.

Code	Description	Price
803-1500	1.5m Silicon lead	£4.90

Antex Low Voltage Soldering Irons

The Antex 12V CS18W soldering iron is ideal for miniature precision soldering. 12V and 24V element voltages are offered. Both irons are now available with heatproof silicon cable ideally suited to educational environments. The iron features a double shaft, an inner shaft of ceramic to provide near perfect insulation and virtually no leakage and an outer shaft of stainless steel for strength. Leakage current is less than 2mA. Bits are secured on the element by a sliding ring which when removed towards the tip, allows the bit to slip on or off. Supplied complete with 2.3mm bit, 1.5m of cable and full instructions.



Code	Description	Price
803-1300	12V CS18W	£21.35
803-1310	12V CS18W + Silicon cable	£22.55
803-1320	12V element	£7.80
803-1400	24V CS18W	£21.40
803-1410	24V CS18W + Silicon cable	£22.60
803-1420	24V element	£7.80
803-1121	1.0mm bit	£2.65
803-1122	2.3mm bit	£2.65
803-1124	4.7mm bit	£2.65

Power Supply for Antex Irons

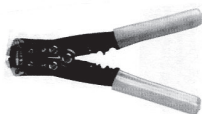
A low cost 24V power supply suitable for use with our range of Antex 24V soldering irons. The unit plugs directly into a standard mains socket. Cable mounting sockets suitable for attaching to the iron are available as an optional extra.

Code	Description	Price
803-1600	24V Power supply	£35.30
803-1610	3 pole free socket	£1.99
803-1620	24V Power supply + Stand for iron	£43.52

Desoldering

Automatic Wire Stripper

A self adjusting wire end stripping tool combining wire stripper, wire cutter and crimp tool in one easy to use tool. A set of jaws clamp the cable firmly into position whilst a set of blades strip the insulation from the cable in one simple operation. The tool automatically adjusts to various cable diameters and will accept single, multiple, round, flat or figure eight cable from 0.5mm to 6mm diameter. Overall length 200mm. Supplied with comfortable PVC grip handles.



Code	Type	Price
915-2000	Automatic Stripper	£8.85

Desoldering Pump ESD

High performance, anti-static desoldering pump which is powerful and effective due to the very high suction rate of about 30cm³ and the strong, corrosion resistant steel spring. The suction tip is self cleaning due to the internal pin.



Code	Type	Price each
803-0700	Desoldering Pump	£8.25

Desoldering Tool

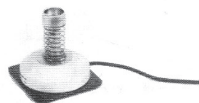
Powerful desoldering tool quickly removes molten solder from joint. Spring loaded piston is closed while solder is being melted, then released by a simple push button. The nozzle is easily removed for cleaning or replacement. Fully enclosed plunger.



Code	Type	Price each
803-0500	Desoldering Tool	£4.99
803-0505	Spare Nozzle	£0.99

Solder Pot

The Antex soldip 60 is a 60 watt solder pot for dipping and tinning components and wires. Of extremely stable design, it may be used free standing or alternatively screwed to the bench for greater security, four 5mm diameter holes being provided in the base for this purpose. Supplied complete with 1.5 metres of burn proof cable.



Code	Type	Price
803-0100	Antex 60 Solder Pot	£69.99

Solder Remover

A specially treated wick draws up molten solder, leaving joints clean for removal of components or re-soldering. Length 1.5 metres. Supplied on plastic dispenser.



Code	Type	Price each
475-2001	Solder Remover	£0.84

Motors

Miniature DC Motor

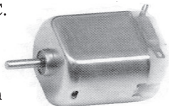
A miniature DC Motor with many applications including models robotics and educational demonstration equipment
Operating voltage: 1.5 to 4.5V DC.

Current: 0.34 to 1.07 A

No load speed: 16,400 RPM

Max Dimensions: Length 35mm

Diameter 20mm



Code	each	per 50	per 100
901-0001	£0.47	£16.45	£25.50

Medium Torque Miniature Motor

A medium torque miniature motor offering a higher stall torque than the above motor.

Operating voltage 1.5 to 4.5V DC

Current: 0.13 to 0.45 A

No load speed: 6,700 RPM

Max Dimensions: Length 36mm

Diameter 24mm



Code	each	per 50	per 100
901-0002	£0.65	£25.35	£45.50

High Torque Miniature Motor

A higher torque miniature motor for higher power requirements.

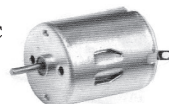
Operating voltage: 1.5 to 4.5V DC

Current: 0.23 to 0.63 A

No load speed: 9,000 RPM

Max Dimensions: Length 43mm

Diameter 24mm



Code	each	per 50	per 100
901-0003	£0.70	£28.00	£48.30

High Torque DC Motor

This heavy duty motor is designed for industrial, automotive or marine applications and is ideally suited to model making when a higher torque is required.

Operating Voltage: 6 to 12V DC

Max Current: 4.7A

Max Speed: 19500RPM

Dimensions: Length 50mm

Diameter 36mm

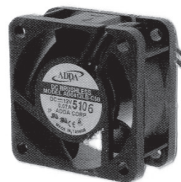


Code	each	per 10
901-0005	2.75	£26.23

Axial Fan

Low voltage (12V DC) high speed axial fan. This five blade, quiet operation fan is contained within a glass filled polyester frame. The fan has a long life expectancy of more than 50,000 hours.

Size: 40x40x20mm



Code	each	per 10
901-0004	£6.80	£65.10

Solar Motor

Precision manufactured low inertia type motor suitable for low power applications including solar cells and modules. Just the job to demonstrate the conversion of solar energy and for use in project work.

Constant volts: 2V DC nominal

Max Dimensions: Length 12mm

Diameter 24mm



Code	each	per 10	per 50
901-0006	£2.39	£21.99	£99.00

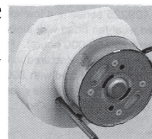
Solar Motor Drive

A miniature gearbox and solar motor which provide a gear ratio of 27:1 providing approximately 25 RPM at 0.5V. Output is via a 2mm shaft enabling the construction of many solar powered projects.

Operating voltage: 1.5 to 4.5V DC

Max Dimensions: Length 15mm

Diameter 36mm



Code	each
901-0007	£4.99

Worm Drive Gearbox with Motor

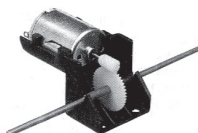
A robust worm-drive gearbox powered by an MM28 motor (included). Most suitable for applications where an easy to fit, high torque output is required. Ideal for student based projects including robots and buggies.

Operating Voltage: 3 to 6V DC

No Load Speed: 9700 to 17100 RPM

Dimension(wxhxl): 35x40x60mm

Code	Price		
	each	per 10	per 50
901-0008	£3.05	£26.25	£127.50

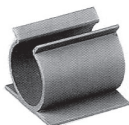


Motors

Self Adhesive Motor Mounts

A push fit motor mount to suit our range of miniature motors (19-25mm diameter) and plastic syringes. The base has a self adhesive surface for easy mounting.

Code	Price	
	Pk 10	Pk 100
901-0009	£2.87	£24.96



Motor Mounting Clips

(Complete with Screws)

Code	Price	
	Per 10	Per 100
901-0010	£1.62	£12.96

Suitable for use with; 901-0001



Code	Price	
	Per 10	Per 100
901-0011	£2.02	£16.16

Suitable for use with; 901-0002
901-0003



Motor Pulley

Fits directly onto the motor shaft providing a direct drive pulley.

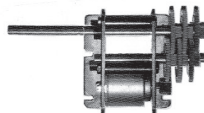
Code	Price	
	Pk 5	Pk 100
901-0012	£0.65	£12.09



Multi Ratio Gearbox

Provides 6 different ratios from 4:1 to 4096:1. Supplied with a drive motor which operates on 1.5-3V DC power sources. The current consumption depends upon the load but is within the range of 0.2-0.8A. The output shaft is 3mm diameter.

Code	Price each
901-0014	6.99

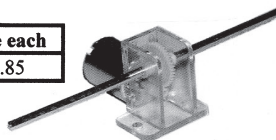


Standard Gearbox

Provides high power and low speed as needed for many D&T projects. . Features a generous 150mm long 4mm diameter output shaft, precision worm & wheel and solid integral mounting base for screw or sticky pad fixing.

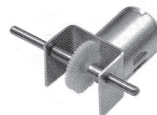
Compatible: 901-0001 & 901-0002 motors.

Code	Price each
901-0015	£1.85



Economy Gearbox

Low cost axle drive unit which fits to the high torque miniature motor (901-0003).



Code	Price each	
901-0016	Gearbox and motor	£2.50
901-0017	Gearbox	£1.90
901-0003	Motor	£0.70

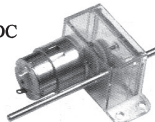
Clearbox and Motor

Motor with adjustable plastic gearbox and 4mm output shaft. The high speed/low power of this motor is converted through the gearbox into a low speed/high power output.

Operating Voltage: 3 to 6V DC

Current: 0.22 to 0.99A

Speed: 3 to 625 RPM



Code		Price each
901-0019	Clearbox motor	£6.99
901-0018	Spare Gears Kit	£2.99

Batteries

Fast Charge Battery Charger

A Battery charger suitable for charging up to four AA or AAA Ni-MH batteries. The charger is housed in a robust moulded case. Charges via a micro USB cable (USB plug attachment not included). LED lights indicate which batteries are being charged. Features reverse polarity, bad cell and short circuit protection. Supplied with four AA Batteries



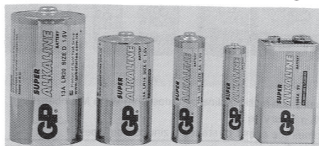
Code
902-4002

Price
each
£7.99

Alkaline Batteries

A range of long life Alkaline Batteries in five popular sizes.

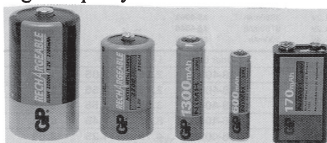
Please Note: These are Non-Rechargeable.



Code	Type	Voltage	Price	
			each	per 10
902-0001	PP3	9V	£1.30	£11.05
902-0002	AAA	1.5V	£0.30	£2.48
902-0003	AA	1.5V	£0.30	£2.70
902-0004	C	1.5V	£0.99	£8.57
902-0005	D	1.5V	£1.40	£12.60

Rechargeable Ni-MH Batteries

A range of Rechargeable Nickel Metal Hydride batteries equivalent to the popular Alkaline types. Higher capacity than Nickel-Cadmium type batteries.



Code	Type	Voltage	Price	
			each	per 10
902-1001	PP3	9V	£6.50	£61.75
902-1002	AAA	1.2V	£1.50	£12.45
902-1003	AA	1.2V	£1.54	£14.55
902-1004	C	1.2V	£3.99	£37.91
902-1005	D	1.2V	£3.75	£34.88

Zinc-Carbon Batteries

A popular size of Zinc-Carbon Battery. Suitable for several applications including bench power packs.



Code	Type	Voltage	Price	
			each	per 10
902-2001	PP9	9V	£4.99	£47.40

Button Cells

A range of popular long life Alkaline Manganese Cells. Rated 1.5V. Used extensively in calculators, cameras etc.



Code	Type	Dia	H	Price	
				each	per 10
902-3001	L620	6.8	2.1	£0.13	£1.14
902-3002	L736	7.9	3.6	£0.17	£1.20
902-3003	L1121	11.6	2.1	£0.09	£0.86
902-3004	L1131	11.6	3.1	£0.18	£1.28
902-3005	L1142	11.6	4.2	£0.18	£1.44
902-3007	LR44	11.6	5.4	£0.31	£2.95

Battery Holders & Charger

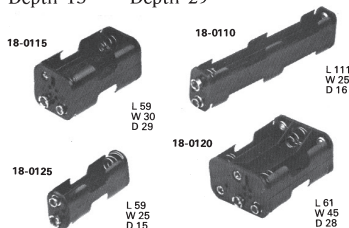
Battery Holders

A comprehensive range of battery holders moulded in black thermoplastic, suitable for a wide range of applications.

BH18-0110	BH18-0130	BH18-0135
Length 111	Length 62	Length 110
Width 25	Width 30	Width 54
Depth 16	Depth 25	Depth 24

BH18-0120	BH18-0140	BH18-0145
Length 61	Length 70	Length 140
Width 45	Width 71	Width 71
Depth 28	Depth 27	Depth 27

BH18-0125	BH18-0115
Length 59	Length 59
Width 25	Width 30
Depth 15	Depth 29



Code	Batteries	Termination	Price per 10
BH18-0125	2 x AA (HP7)	Press Stud	£1.75
BH18-0110	4 x AA (HP7)	Press Stud	£4.30
BH18-0115	4 x AA (HP7)	Press Stud	£4.50
BH18-0120	6 x AA (HP7)	Press Stud	£5.90
BH18-0130	2 x C (HP11)	Press Stud	£4.30
BH18-0135	4 x C (HP11)	Press Stud	£5.50
BH18-0140	2 x D (HP2)	Press Stud	£5.10
BH18-0145	4 x D (HP2)	Solder Tag	£5.30

Battery Holders

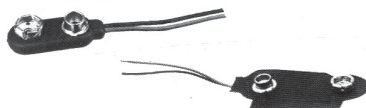
A range of battery holders with flying leads for instant connection to equipment. Moulded in black thermoplastic.



Code	Batteries	Price per 10
BH18-0121	1 x AA (HP7)	£2.20
BH18-0122	2 x AA (HP7)	£1.60

Battery Clips

Twin battery snaps to suit batteries listed.



Code	Batteries	Price per 10
BC18-0105	PP3, PP6	£1.10
BC18-0100	PP1, PP9	£2.80

Universal Battery Charger

A universal battery charger capable of charging between 1 and 4AA, C or D cells. Singly or simultaneously in any combination. A PP3 rechargeable cell may also be charged. LED indicators are provided at each charge location to indicate charging is taking place. The charger also has a 'test' facility to evaluate the condition of cells.



Code	Price each
UBC18-0331 Universal Battery Charger	£5.75

Power Supplies

Miniature Regulated Power Supply

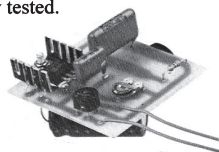
Miniature mains powered fully regulated power supplies/battery eliminators which plug directly into a 13A mains socket. The fully stabilised outputs may be switched between a variety of output voltages. Offered in two types: 300mA for most applications and 500mA for heavy duty applications. An internal thermal fuse is incorporated for overload protection. Ideal for replacing batteries in many instruments. Reversible polarity output lead fitted with a four-way spider connector and PP3 battery connector. Both units comply with BS415 safety requirements. Dimensions 82 x 58 x 60mm



Code	Description	Price
912-1001	Min 300mA Supply	£6.20

5V Power Supply Modules

With the introduction of electronics into most GCSE Physics and Science syllabuses, the need for cost effective electronics power supplies is clear. This unit can be easily fitted inside most standard school lab packs (e.g. Linstead, Unilab etc.) to supply a short circuit proof stabilised output adjustable over the range 4.5-8.5V via an on-board preset. Two units may be linked to provide a split rail supply for op amp work. Full lab pack facilities are retained and the unit, when fitted, is tamperproof and independent of the lab pack settings. Fixing is via the output jack sockets (output jack supplied). Fitting entails two solder joints and the drilling of one 12mm hole (full fitting instructions supplied). Supplied fully tested.



Code	Description	Price
912-1006	5V 1.2A Power Supply	£5.00

5V 1A Regulated Power Supply

A sturdy regulated power supply delivering 5V at a maximum of 1A. Ideally suited to teaching 'bulb and switch' work in both primary and secondary schools, and electronics teaching. The Unit is suitable for powering most electronics teaching kits. The output is delivered via colour coded 4mm terminals and is monitored by a LED which indicates normal/short circuit conditions by its colour. The unit is short circuit protected. An internal control allows the output to be preset within the range 5-8.5V. The supply is enclosed in a sturdy fully earthed steel case and is supplied complete with mains lead and comprehensive instruction manual. Dimensions 120 x 110 x 150mm.



Code	Description	Price
912-1025	5V 1A Supply	£58.25

Dual Rail Regulated Power Supply

A rugged regulated power supply offering dual rail voltage output with twice the current output usually available in units of this type. Output is 15.0-15V at 100mA per rail. The unit is designed for powering operational amplifiers and features short circuit protection and output status monitoring via tricolour LEDs. Output is via colour coded 4mm terminals. The supply is enclosed in a sturdy fully earthed steel case and is supplied complete with mains lead and comprehensive instruction manual. Ideal for laboratory and educational use. Dimensions 120 x 110 x 150mm



Code	Description	Price
912-1020	15V 100mA Supply	£59.99

Power Supplies

Dual Rail 1A Regulated Power Supply

A versatile supply offering a wide range of stabilised DC voltages in both single and dual rail mode. The use of separate 4mm terminals for each of the positive and negative outputs gives the user eleven single rail voltages ranging from 3V to 30V and thirty three dual rail voltages (symmetrical and asymmetrical) in the range 5-0-5V to 15-0-15V. A maximum of 1A per rail is available and all outputs are short circuit protected. The supply is enclosed in a sturdy steel case and is supplied complete with mains lead and comprehensive user manual. This unit will find a ready home in R & D, test laboratories and education.

Dimensions 140x125x240mm Weight 1.65kg

Code	Description	Price
912-1015	Dual Rail 1A Supply	£99.50



30V 2.5A Regulated Power Supply

The PS3025 is a new high quality fully regulated power supply capable of supplying up to 30V at a maximum of 2.5A with additional fixed 5V and 12V outputs at 500mA, ideally suited to laboratory test and educational environments. Voltage and current outputs are individually displayed on liquid crystal displays. The output voltage is continuously adjustable via a single control from 0 to 30Vdc. Output current limited is fully adjustable up to 2.5A again by a single control. The 30V output is terminated with 4mm colour coded terminals, the 5V and 12V outputs are terminated via a spring loaded colour coded terminal block. All outputs are overload and short circuit protected. The power supply is housed in a sturdy steel enclosure and is supplied with mains lead terminated with a UK mains plug fused at 5A and user instructions.

Code	Description	Price
912-1010	30V 2.5A Regulated Supply	£124.99

6A AC/DC Power Supply

This new addition to our range offers AC voltages of 2, 4, 6, 8, 10 or 12V and capacitor smoothed (10,000uF), DC voltages of 1, 4, 7, 10, 13 or 15 volts. Separate AC and DC colour coded terminals are provided and AC and DC voltages may be used simultaneously up to a maximum combined load of 6 amps. An earth terminal is also provided should rail clamping be required. The voltages are selected by a six position keyswitch - the key is removable in any position. Keys are of a common profile so that one key will switch any unit. The output voltage is monitored by a sophisticated system which detects overloads and short circuits and cuts power to the terminals under these conditions. Tripping is indicated by a buzzer sounding and the output monitor LED turning from green to red, thereby allowing the teacher to locate the tripped unit from across the room. Reset is achieved by switching off the mains switch for 5 seconds. The unit comes housed in a rugged steel case with carrying handle and is stackable. Mains input is via a rear panel mounted, fused IEC connector and a detachable IEC lead with moulded mains plug.

Code	Description	Price
912-1030	6A AC/DC Supply	£149.99



Test Equipment

Educational Meters

A range of low cost, full size, moving coil DC ammeters and voltmeters demonstrating quality and value for money.

Easy to read, large display.

Fully enclosed plastic case.

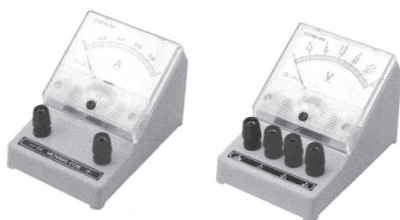
Single and dual scale models.

Size 125x80x80mm.

Scale Length 60mm.

Mirror scale helps eliminate parallax errors.

4mm terminals accept 4mm plugs, wire or spade terminals.



Digital Bench Meters

A new concept in student meters offering all the advantages with digital instrumentation at a cost normally associated with analogue instruments. The meters feature easy to read 0.5" LCD displays, high accuracy, no moving parts and a high level of resistance to mechanical shock. Two meters are offered; 0-10A DC Meter and a 0-20V DC Meter. Meters are colour coded for easy identification, overload and short circuit protected and powered by a PP3 battery (supplied). Input is via colour coded 4mm sockets.



Code	Type	Price each
913-1401	0-20V DC Meter	£27.50
914-1402	0-10A DC Meter	£27.50

Analogue Ammeters

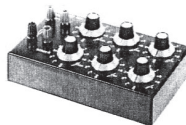
Code	Type	Price each
913-1101	0-1A	£7.35
913-1102	0-3A	£7.35
913-1105	0-5A	£7.35
913-1106	0-1A/0-5A	£7.35

Analogue Voltmeters

Code	Type	Price each
913-1202	0-5V	£7.35
913-1203	0-6V	£7.35
913-1205	0-15V	£7.35
913-1206	0-30V	£7.35

Resistance Substitution Box

A six decade resistance box ideally suited to educational establishments. The box will simulate resistances from 1 to 999,999 ohm in 1 ohm steps. The required resistance is set by selecting correct value from six rotary decade switches which clearly indicate the value selected. An additional 1K resistor is provided connected between one of the terminals of the internal resistance and a third terminal so that the unit can be used as an accurate potential divider. A further terminal marked 'screen' enables the metal case to be earthed. All outputs are on 4mm terminals with 4mm sockets. Housed in a sturdy metal box with non slip rubber feet.



Code	Type	Price each
913-3000	Resistance Box	£59.95

Test Equipment

UT58C Digital LCD Multimeter

The UT58C is a high accuracy professional multimeter with data hold facility. The UT58C has a highly versatile range covering measurements of AC and DC voltage, AC and DC current, resistance, capacitance, temperature and frequency as well as test positions for diodes and transistors, an audible continuity tester and full icon display. The UT58C has basic DC voltage accuracy of 0.5%, AC voltage and DC current accuracy of 0.8% and AC current accuracy of 1%. The 3½ digit LCD display has a maximum display of 1999 and a display size of 60x54mm. It incorporates a 'low battery' indicator which shows when the battery is exhausted (type PP3). The UT58C is supplied with a holster which provides protection for the meter. In addition to the holster the UT58C is supplied with test leads, battery and instruction manual.

Overall size: 179 x 88 x 39mm

Technical specification

DC Voltage Range: 200mV to 1000V

AC Voltage Range: 2V to 750V

DC Current Range: 2mA to 20A

AC Current Range: 2mA to 20A

Resistance Range: 200ohm to 20Mohm

Capacitance: 2nF to 100uF

Temperature: -40°C to 1000°C

Frequency: 2kHz to 20kHz

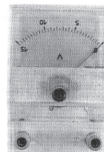
Code	Type	Price each
913-2058	UT58C Multimeter	£23.50
902-0001	PP3 Battery	£1.30



Educational Meter

A range of moving coil bench mounted meters ideally suited to educational users. The meters are terminated by marked 4mm terminals. Accuracy typically 4%. Housed in a robust case with large clearly defined scales.

Dimensions 80 x 100 x 48mm.



WSL

Code	Type	Price each
913-1301	0-1A	£5.80
913-1302	0-2A	£5.80
913-1303	0-5A	£5.80
913-1304	0-6V DC	£5.80
913-1305	0-15V DC	£5.80

Logic Probe

An economical logic probe designed to measure logic levels in system employing TTL/CMOS technology. Pulse enlargements capability allows pulse detection down to 25nS. One-shot narrow pulses which are nearly impossible to be seen with a fast scope are easily detectable and visible. The intensity of the 'pulse' LED is directly proportional to the duty cycle of the signal observed. LED indicators and a two-tone sounder indicates 'HI' or 'LO' logic states. Supplied complete with power lead and comprehensive instruction manual.



Code	Type	Price each
913-3300	Logic Probe	£24.99

Test Equipment

DM830D Digital Multimeter

A compact 3½ digit LCD digital manual range multimeter ideal for educational use. This multimeter is a low cost multi-function instrument which offers excellent value. The multimeter features 20 ranges including transistor test, 10A current test, audible continuity test, diode test and square wave 50Hz frequency test. Overload protection is provided on all ranges except 10A DC current range. The multimeter features a low battery indicator and is housed in robust ABS within a protective yellow rubberised holster. Supplied complete with safety test leads, battery and instructions manual.

Designed in accordance with IEC1010 600V Cat II. CE approved. RoHS exempt

Ranges

DC Volts: 200mV-600V
AC Volts: 200V-600V
DC Current: 200uA-10A
Resistance: 200ohm-2Mohm
Transistor: Test current 10uA.
Vcc 3.0V. hFE 1-1000.
Diode: Test current 1mA approx.
Voltage 2.8V approx.
Continuity: Buzzer sounds when resistance <50ohm approx.
Dimensions: 126x70x28mm
Weight: 155g

Code	Type	Price each
913-2160	DM830D Multimeter	£6.55
902-0001	PP3 Battery	£1.30



UT39A Autoranging Multimeter

A highly reliable 3½ digit autoranging digital multimeter with data hold function. The UT39A features 29 ranges including continuity test, transistor test, capacitance test and diode test along with a wide range of function including a continuity buzzer, sleep mode and low battery indicator. The 3½ digit, 2000 count LCD display screen measures 61x32mm. The Multimeter is able to measure Voltage and Current (AC and DC) and resistance and the input impedance for DC voltage measurement is 10Mohms. Supplied complete with test leads, battery and instruction manual..

RoHS compliant

Ranges

DC Volts: 200mV-1000V
AC Volts: 2V-750V
DC Current: 20uA-10A
AC Current: 200uA-10A
Resistance: 200ohm-200Mohm
Capacitance: 2uF
Dimensions: 172x82x38mm
Weight: 310g

Code	Type	Price each
913-2280	UT39A Multimeter	£17.45
902-0001	PP3 Battery	£1.30



Test Equipment

Precision Digital Scale

Precision digital weighing scale which can weigh up to 6kg in 0.1g increments. This precision weighing scale has an impact-resistant ABS plastic case and weighing pan, a splash proof protective cover and non slip rubber feet. The scale can be either battery or mains powered.

- Weighs in Kg, g, lb or oz.
- Impact-resistant ABS case with non-slip rubber feet.
- Splash-proof protective cover.
- 175x160mm weighing pan.
- 20mm Hi-contrast LCD display with backlight.
- Automatic backlight when weight is added to the pan.
- Zero tracking ensures stable and repeatable readings.
- Tare facility which can be actioned several times throughout a weighing cycle.
- Plus/minus weighing.
- Low battery indication.
- Auto power off after 1.5 minutes of no activity.
- Supplied with user guide and batteries.
- 2 year warranty.

Technical Specification

Capacity: 6Kg
Resolution: 1g
Accuracy: $\pm 2g$
Power: 6 x AA Batteries or
 AC/DC Mains power adaptor
Size: 230x180x50mm
Size (Pan): 175x160mm
Weight: 0.9Kg

Code	Description	Price each
913-4002	Precision Digital Scales	£39.85



Programmable Clock/Timer/Stopwatch

A sophisticated programmable timer offering four separate programmable countdown time intervals. The timer will operate as a clock displaying hours, minutes and seconds. The timer will count up and down from 1 second through to 99 hours, 59 minutes, 59 seconds. An alarm sounds when count reaches zero. Roll over facility when count reaches zero to indicate time overrun. The timer is fitted with pocket clip. Complete with battery.

Overall size: 70 x 60 x 16mm. WSL

Code	Type	Price each
913-4540	S540	£7.20

TM-136 Digital Stopwatch

The TM-136 is housed in an impact resistant ABS case and is easy to use for timing single events with a wide range of features:

- 1/100 second (for first 30 minutes) and 1 second thereafter.
- Calendar and time (12/24 hour format).
- Daily alarm.
- Hourly Chime.
- Large 7.2mm digit display.
- Case size: 64x53x19mm.

Supplied complete with neckband and battery.

Code	Type	Price each
913-4219	TM-136 Stopwatch	£3.95



Digital Scales

Digital scale which can weigh in both metric and imperial up to a maximum of 5kg/11lbs. Gives a precise reading in 1g/0.1oz increments. Features tare function, auto zero and auto power off. Requires 2 x AA Batteries.

Code	Description	Price each
913-4005	Digital Scales	£7.59



Cable Reels, Lamps & Transformers

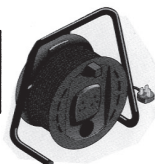
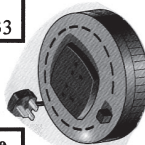
Cable Reels

Code	Size	Price
MK243 514652	10mtr 10amp	£15.33

Code	Size	Price
MK44 514215	9mtr 13amp	£18.28
MK44S 514250	18mtr 6amp	£20.25

Code	Size	Price
MK46 516019	25mtr 13amp	£36.73

Code	Size	Price
MK48 516254	50mtr 13amp	£44.23



Heavy Duty Inspection Lamp

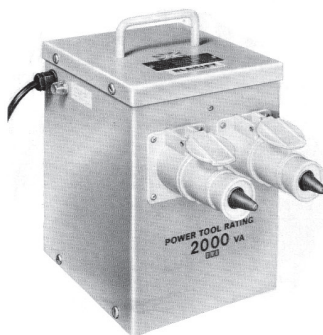
Double Insulated
Max. 60 Watts - 240 volts.

Code	Cable Length	Price
1176793	5m (16ft)	£16.35



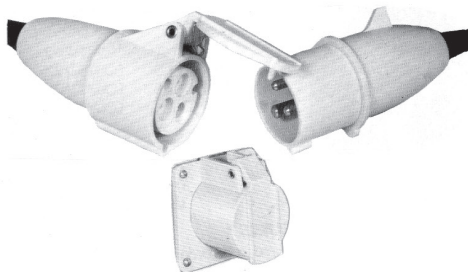
Transformers

Type	Rating	16 amp Sockets & Plugs	Price
PPT/750/S1-16	750VA	1	£69.53
PPT/1000/S1-16	1000VA	1	£75.87
PPT/1000/S2-16	1000VA	2	£87.52
PPT/1450/S1-16	1450VA	1	£87.69
PPT/1450/S2-16	1450VA	2	£95.99
PPT/2000/S1-16	2000VA	1	£98.38
PPT/2000/S2-16	2000VA	2	£107.10



Plugs & Sockets

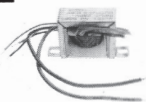
Type		Price
FS16	Panel Mounting Socket	£3.78
CS16	Coupler Socket	£3.80
PS16	Plug	£3.10



Transformers

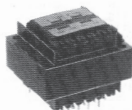
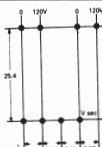
Miniature Transformers

A range of miniature mains transformers ideal for use in small equipment. All secondaries are rated at 100mA. C clamp type construction with flying leads.



Code	Output	Price each
TR88-0100	6-0-6V	£2.20
TR88-0105	9-0-9V	£2.20
TR88-0110	12-0-12V	£2.20

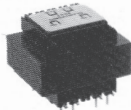
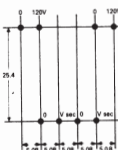
Miniature PCB Transformers 3VA Type



A range of miniature mains transformers for mounting directly onto printed circuit boards. Pins suit 0.1" pitch boards. 3VA output. Regulation typically 21%.

Code	Output	Price each
TR88-0150	0-6V @ 0.25A	£2.50
TR88-0160	0-12V @ 0.12A	£2.50
TR88-0165	0-15V @ 0.1A	£2.50
TR88-0170	0-20V @ 0.07A	£2.50

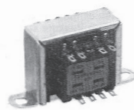
Miniature PCB Transformers 6VA Type



A range of miniature mains transformers for mounting directly onto printed circuit boards. Pins suit 0.1" pitch boards. 6VA output. Regulation typically 15%.

Code	Output	Price each
TR88-0200	0-6V @ 0.5A	£3.05
TR88-0205	0-9V @ 0.33A	£3.05
TR88-0210	0-12V @ 0.25A	£3.05
TR88-0215	0-15V @ 0.2A	£3.05
TR88-0220	0-20V @ 0.15A	£3.05

Chassis Transformers



A range of clamp mounting low voltage transformers in four power ratings from 6 to 50VA. Each transformer has two independent primary windings which may be connected in series for 240V or parallel for 120V input. All versions have dual secondary windings to provide a flexible output range or centre tap working. Double bobbin construction.

6VA Miniature

3VA per secondary winding.

Width: 45mm Height: 37mm Depth: 38mm

Code	Output	Price each
TR88-0250	0-6V @ 0.5A	£3.50
TR88-0255	0-9V @ 0.33A	£3.50
TR88-0260	0-12V @ 0.25A	£3.50
TR88-0265	0-15V @ 0.2A	£3.50
TR88-0370	0-20V @ 0.15A	£3.50

12VA Type

6VA per secondary winding.

Width: 55mm Height: 45mm Depth: 45mm

Code	Output	Price each
TR88-0270	0-6V @ 1A	£4.75
TR88-0275	0-9V @ 0.6A	£4.75
TR88-0280	0-12V @ 0.5A	£4.75
TR88-0285	0-15V @ 0.4A	£4.75
TR88-0375	0-20V @ 0.3A	£4.75

25VA Type

12.5VA per winding.

Width: 68mm Height: 58mm Depth: 59mm

Code	Output	Price each
TR88-0315	0-6V @ 2A	£5.60
TR88-0290	0-9V @ 1.3A	£5.60
TR88-0295	0-12V @ 1A	£5.60
TR88-0300	0-15V @ 0.8A	£5.60

50VA Type

25VA per winding.

Width: 63mm Height: 65mm Depth: 78mm

Code	Output	Price each
TR88-0405	0-6V @ 4.1A	£6.80
TR88-0410	0-9V @ 2.7A	£6.80
TR88-0310	0-15V @ 1.6A	£6.80
TR88-0415	0-20V @ 1.2A	£6.80

Service Aids / Hardware

Paper Wipes

High quality, lint free, single ply 23x23cm paper wipes. These wipes combine high absorbency with good strength when wet.

Supplied in pack of 200 wipes.

Code		Price
917-0040	200 Paper Wipes	£4.85

Cleaning Cloths

Extra strong, wet laid, lint free non-woven cleaning cloth for general cleaning applications, including general office and computer hardware. Supplied in pack of 50 cloths.

Code		Price
917-0045	50 Cleaning Cloths	£9.99

Foam Cleanser

Multi-purpose cleanser that will remove grease and grime from woodwork, glass, metal, paintwork, vinyl surfaces etc. 400ml aerosol tin.

Code		Price
917-0050	400ml Foam Cleanser	£3.65

VDU Screen Cleaner

A VDU Screen cleaner effectively removing dust, oil and greasy deposits from VDU screens. Nicotine and smoke deposits, finger prints and other marks will also be removed improving the legibility of the screen, thus reducing eye fatigue. Supplied in 200ml ozone safe aerosol.

Code		Price
917-0055	200ml VDU Cleaner	£4.99

Video Head Cleaner

A special cleaning fluid for magnetic heads used for protection against contamination caused by tape abrasion, dust and other dirt deposits. Chemically pure and consequently will neither attack the magnetic film or other components. Completely non-conductive, non-flammable and leaves no residue. For use in video equipment, tape recorders, EDP equipment.

Supplied in 200ml ozone safe aerosol.

Code		Price
917-0060	VideoHead Cleaner	£3.90

Potting Boxes

A range of miniature potting boxes moulded in black ABS ideal for permanent encapsulation of small circuits. Operating temp -20 to 90°C

Code	Dimensions	Wall Thick	Price
915-4101	30x20x15mm	1.0	£0.23
914-4102	40x40x20mm	1.0	£0.32
914-4103	50x50x30mm	1.0	£0.35
914-4104	75x50x35mm	1.0	£0.55
914-4105	100x60x25mm	1.3	£0.59

ABS Boxes

A range of boxes moulded in high impact ABS for maximum strength but easily drilled or punched. The lids on all the boxes in the range are retained by 4 self-tapping screws. Printed circuit board slots are included. Finished in black.

Code	Dimensions	Price
915-4001	75x50x25mm	£1.50
915-4002	100x75x40mm	£2.40
915-4003	150x100x55mm	£4.10
915-4004	110x56x20mm	£1.95

Please Enquire about others in this range if the item you require is not included.

Service Aids

Printed Circuit Lacquer

A highly effective lacquer for use on printed circuit boards. Leakage currents and short circuits can be removed completely. By applying this acrylic resin lacquer three times to the same area (allow 30 minutes between applications) a dielectric strength of 16kV is obtained. Supplied in 200ml ozone safe aerosol.

Code	Price per 200ml
917-0005 200ml PCB Lacquer	£5.75

PCB Flux Spray

An excellent PCB flux-based soldering varnish for the preparation of printed circuit boards prior to soldering. It reliably prevents oxidation of boards and is equally suited to production or service environments. Suited to application immediately after etching of boards ensuring a smooth flow of solder eliminating the possibility of cold soldering joints. Complies with DIN8511 FSW31. Supplied in 200ml ozone safe aerosol.

Code	Price per 200ml
917-0010 200ml Flux Spray	£6.25

Spray Graphite

An extremely useful aid for the application of conductive coatings of any thickness to any material including glass and plastics. Ideal for screening casings of plastic material or wood and the repair of damaged screens of cathode ray tubes. Assists with the elimination of static charges in plastic casings and the lubrication of high voltage switchgear. Supplied in 200ml ozone safe aerosol.

Code	Price per 200ml
917-0015 200ml Graphite Spray	£7.99

Circuit Freezer

An extremely useful spray for the detection of thermal faults in equipment. Even the smallest of electronic components can be cooled off locally. Completely non-toxic, non-flammable and will not attack components the freezer will reduce temperature of components down as low as -42°. The necessity of desoldering components is often removed as a sharp cooling shock will point the fault immediately. Supplied in CFC free, ozone safe 200ml aerosol.

Code	Price per 200ml
917-0020 200ml Freezer	£13.99

Freezer

A powerful non-corrosive refrigerant for use as a rapid and safe method of cooling small components, particularly in electronic and electrical equipment and to detect faulty soldered joints and overleafing components. Fractured copper tracks on PCBs may be located by spraying the board with Freezer. The fracture will appear as the tracks cool and part. Cools components down to at least -50°. Supplied complete with extension tube. Electrolube Part No FRE400H. Supplied in 400ml ozone safe aerosol.

Code	Price per 400ml
917-0025 400ml Low Static Freezer	£28.99

Spray Photo-Resist

A spray on photo-resist for the production of printed circuit boards by photo-etch techniques but may also be used on glass, plastics, aluminium, copper and brass for the production of the front panels, labels etc. Transparencies of printed circuits can therefore be applied directly to any board coated with the resist. A high resolving power produces perfectly sharp edges and a wide exposure range provides a wide margin of safety. Supplied in ozone safe 100ml aerosol and comprehensive instruction manual.

Code	Price per 100ml
917-0030 100ml Photo-resist	£4.75

Transparent Spray

A useful spray for use primarily in the production of printed circuit boards. This spray when applied to paper will render the paper translucent and transparent so that PCB designs in journals can be used in photo-etch PCB production. Suitable also for use with production PCB software when the output has been copied to paper via a dot matrix or laser printer. Supplied in 200ml ozone safe aerosol.

Code	Price per 200ml
917-0035 200ml Transparent Spray	£5.75

Sundry Electronics

Transistors

Code	Type	Price each
909-6001	BC107	£0.33
909-6003	BC108	£0.24
909-6004	BC109	£0.38
909-6005	BFY51	£0.36
909-6006	BFY52	£0.32

Timers

Single Timer NE555

The NE555 is a timing circuit in a 8 pin DIL package capable of producing accurate time delays or oscillation. In the time delay mode the timed interval is controlled by a single external resistor and capacitor network. In the astable mode of operation, the frequency and duty cycle may be independently controlled with two external resistors and a single capacitor. Supply voltage up to 18V.

Code	Price each
913-4555 NE555 Single Timer	£0.18

Dual Timer NE556

A dual version of the standard NE555 timer. Housed in a standard 14 pin DIL package.

Code	Price each
913-4556 NE556 Dual Timer	£0.21

Further Items are Available - Please Enquire

PCB Shears

Two new powerful, cost effective shears which have ability to accurately cut PCB laminates, plastics up to 2.0mm thick and aluminium up to 1.5mm. An important feature of these shears is safety. Free access to the cutting area is prevented by heavy perspex shielding extending along both sides of the blade. A safety latch is fitted to the pivot to prevent operation without it first being released. For positional accuracy the cutting bed is fitted with a metric rule which is recessed to assist in securing the PCB or sheeting whilst cutting is in progress. The smaller unit has a cutting capacity of 203mm (8") for normal 1.6mm PCB laminate and is extremely compact with an overall height of only 575mm and a base of 275 x 140mm. The larger shear will cut 1.6mm PCB laminates up to 305mm (12") wide and has a height of 670mm and a base of 430 x 135mm

Code	Price each
915-3008 8" PCB Shear	£239.90
915-3012 12" PCB Shear	£338.52

Etch Resist Pen

For use on plain copper boards. Press tip to promote ink flow & apply slow even pressure.

Code	Price each
911-2360 Etch Resist Pen	£1.38

RCD Power Safety Cut-Out

The Marbo VT1951 is a 13A plug in residual current device, which provides effective fast acting double pole protection against defective wiring or earth leakage. A sensitive sensor employed in the adapter monitors the current flow and will automatically trip out in the event of a minute leakage to earth, significantly reducing the risk of electrical shock. The adapter includes Test & Reset switches with visual indication of power status. The unit plugs directly into a 13A socket which in turn accepts any appliance wired to a 13A plug. Tested to BS7071.

Tech Spec: Rated Voltage: 240V ac 50Hz
Rated Current: 13A
Max Load: 3000 watts
Rated Trip Current: 30mA

Code	Price each
915-1951 RCD Safety Cut Out	£17.99

Educational Solar Energy Kit

A complete kit of parts which provides the student or child with an introduction to solar energy. The kit comprises 8 500mV 100mA solar cells, a battery holder, a miniature DC motor, a small fan plus all tools and cables enabling the user to construct a working kit. The solar cells providing an output of 3.2v may of course be employed to drive a variety of other small components. The kit also comes complete with an information 12 page booklet explaining solar energy in considerable detail.

Code	Price
901-2100 Solar Energy Kit	£9.50

Art / Design Folders

A New range of Durable, Weatherproof, Polypropylene folders



Design Folio

A top loading, flexible folio with high capacity and strong board inserts.

Made from strong, durable lightweight plastic.

Supplied in clear opaline polypropylene with black handle.

Code	Size	Price		
		each	10	100
851-0003	A3	£4.17	£40.65	£375.30
851-0002	A2	£5.99	£58.40	£569.05

Flat Art Folio

Strong and durable polypropylene based acid free art folios.

Velcro and tab secured with a 10mm capacity which can hold up to 100 sheets.

The folio keeps artwork secure whilst also being lightweight.

Supplied in clear opaline polypropylene with black handle.

Code	Size	Price		
		each	10	100
851-1003	A3	£5.20	£50.70	£494.00
851-1002	A2	£14.05	£136.99	£1,334.75

Additional Colours available to special order

Polypropylene Document Folders

Hardworking A3 size clear polypropylene document folders with press stud closing mechanism.

Will hold up to 100 paper sheets.

Supplied in packs of 12

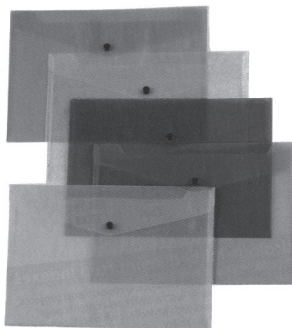
Code	Colour	Size	Price per pk12
851-4301	Clear	A3	£18.72

Graphics

Polypropylene Document Folders

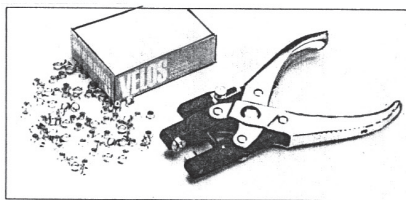
Hardworking polypropylene document folders.
Transparent with press-stud closing mechanism.
Will hold up to 100 sheets of paper.

Code	Colour	Size	Price per pk12
PDF401	Red	A4	£9.75
PDF402	Yellow	A4	£9.75
PDF403	Blue	A4	£9.75
PDF404	Green	A4	£9.75
PDF405	Clear	A4	£9.75
PDF301	Clear	A3	£18.72



Punch & Eyeletter

Velos heavy duty model, punches holes in card, plastics and even thin metals such as aluminium.
All eyelets are 3/16" 4.76mm dia.

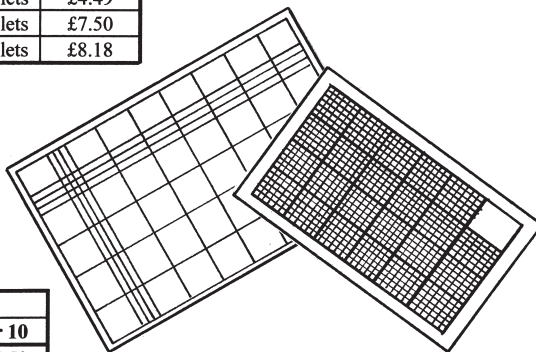


Code	Description	Price per pack
VELOS-950	Eyeletter & Punch	£32.49
VELOS-1	500 x 3.2mm shank eyelets	£4.49
VELOS-2	500 x 4.2mm shank eyelets	£7.50
VELOS-3	500 x 5.5mm shank eyelets	£8.18



Cutting Mats

Code	Size	Price	
		each	per 10
CMA4	A4	£3.74	£35.53
CMA3	A3	£6.98	£66.31
CMA2	A2	£13.25	
CMA1	A1	£26.35	



Tweezers / Cutters / Scissors

Tweezers

Nickel plated tweezers.

Code	Description	Price	
		each	per 10
E-243T	9cm Tong end	£0.53	£4.82
E-243S	9cm Slant end	£0.56	£5.10

Set of 7 carbon steel tweezers includes; straight point, straight jaw, straight jaw with cushioned grip, angled jaw, angled jaw with cushioned grip, bent cross and duck bill.

Code	Description	Price	
		each	per 10
TWZ-S7	Set of 7	£2.56	£21.76

Tuf-Kut

Powerful multipurpose cutter, easy to clean stainless steel offset blades. Serrated blade gives tough material grip. Moulded plastic handles give firm grip. Cuts thin sheet metal, netting, wire, canvas, leather, rubber, rope, vinyl, tiles, fabrics, carpets etc.

Code	Type	Price
4757	Tuf-Kut	£4.70

Scissors

Cold Forge Carbon Steel (Nickel Plated)

Code	Patt Type	Description	Price	
			each	per 10
255-B-11cm	E	Blunt/Blunt	£0.85	£8.08
252-B-10cm	B	Blunt/Blunt	£1.13	£10.57
252-B-13cm	B	Blunt/Blunt	£1.39	£13.21
252-C-13cm	D	Blunt/Sharp	£1.39	£13.21
210-C-21cm	C	Blunt/Sharp	£3.01	£28.59

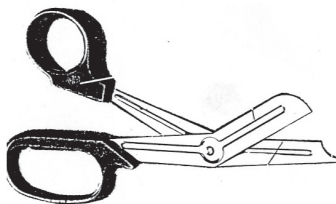
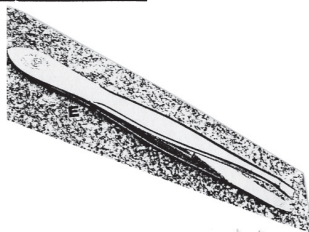
All Purpose with ergonomic plastic handles

Code	Size	Description	Price	
			each	per 10
SAPE-13	13cm	Blunt	£2.09	£18.81
SAPE-17	17cm	Blunt	£2.25	£20.25
SAPE-21	21cm	Blunt	£3.19	£28.71
SAPE-25	25cm	Blunt	£4.09	£36.81

Special 5½" scissors for children with comfortable grip soft handles and 5cm ruler on the blade.

Available for right or left handed.

Code	Size	Description	Price	
			each	per 10
CGS-RH	5½"	Right Hand	£2.19	£19.71
CGS-LH	5½"	Left Hand	£2.19	£19.71

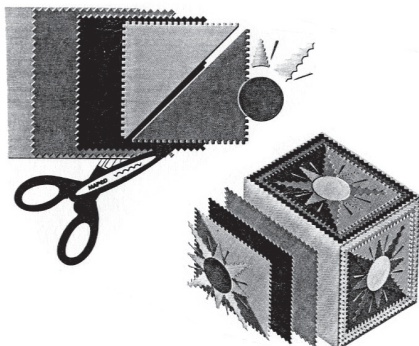


Stencils / Templates / Cutters

Creative Cutting Scissors

Scissors for paper and light card with 9 sets of blades and creative ideas booklet

KMCCS £9.60



Stencils

Shadow

Upper case letters.

Popular 3-D effect

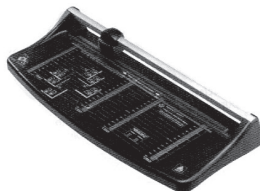
H17010 Shadow 20mm

£1.70 WSL

Portable A4 Paper & Photo Trimmer

Avery Photo and Paper Trimmer which has a handy guide on the baseboard that allows easy trimming to established dimensions. The self sharpening blade in the cutter head can trim up to 5 sheets at a time and removes the need for replacement blades or sharpening. The 315mm cutting length offers a large surface area so A4 sheets can be trimmed down without folding or creasing.

Dimensions: 456x230x80mm

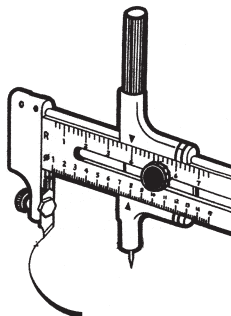


Code	Description	Price
PPT-A4	Portable A4 Trimmer	£31.99

Compass Cutter

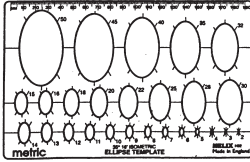
Unique knife for cutting circles up to 150mm diameter.

Code		Price
PICMP1	Compass Cutter	£3.52
PIC0B1	Spare Blades pk3	£2.15



Stencil Templates

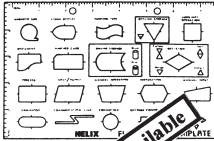
Ellipse Template



26 Ellipses 2mm-50mm. 35° 16' isometric projection. mm rule graduations. Shatter Resistant material. Bevelled inner edge Printed major and minor axes. PVC wallet. Ringbinder holes. Overall size 200 x 125mm.

Code		Price each
H82010	Ellipse	£2.31

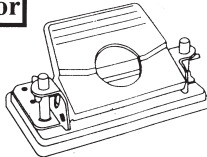
Flowchart Template



19 symbols with binder holes. Moulded computer symbol template with printed information and printout measurement graduations. Symbols conform to BS 4058. Overall size 195mm x 105mm.

Code		Price each
H77010	Flowchart	£1.94

Perforator



Code		Price each
Q51040	Perforator	£1.16

Old English Template



Upper & Lower Case.
Lettering & Numbering.

Code		Price each
H28010	30mm Old English	£2.75

Italic Template



Upper & Lower Case.
Lettering & Numbering

Code		Price each
H23100	20mm Italic	£2.20

Ruler/Stencil



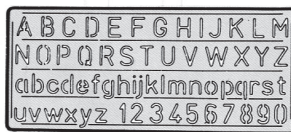
12"/30cm Ruler
10mm Lettering/Numbering Stencil

Code	Price each
L70010	1.15

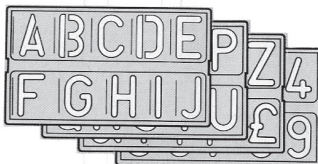
Graphics

Lettering Stencils

Code	Description	Price
H87010	5mm Upper & Lower case letters & numerals	£0.68
H91041	10mm Upper & Lower case letters & numerals	£0.81
H68010	20mm Lower case letters only	£1.11
H92010	20mm Upper case letters & numerals	£1.55
H69010	20mm Upper & Lower case set Comb H68 & H92	£2.44
H93010	30mm Upper case letters & numerals	£1.58
H90100	10mm, 20mm, 30mm set Comb H91, H92 & H93	£3.73
H95010	50mm Four piece clip set Upper letters & numerals	£5.75
H65010	75mm Notice kit	£15.50
H72010	100mm Notice kit Eight piece set Upper letters & numerals	£24.40



H91



H95

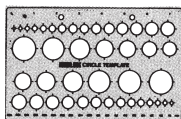


H72

Circle Template

Made from shatter resistant material with a bevelled edge, the template has 32 marked metric circles.

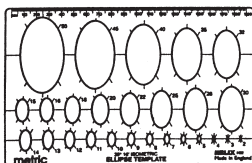
Code	Description	Price
H67010	32 Metric Circles	£2.25



Ellipse Template

Made from shatter resistant material with a bevelled inner edge and ring binder holes. Features 26 ellipses.

Code	Description	Price
H82010	26 Ellipses	£2.31

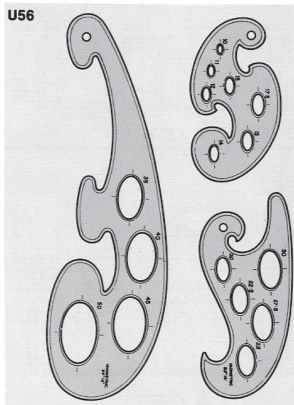


French Curves

Unique three piece design incorporating isometric ellipse templates 10-50mm and individual curves size 140/165/310mm.

Code	Description	Price
U56010	Set of three curves	£5.24

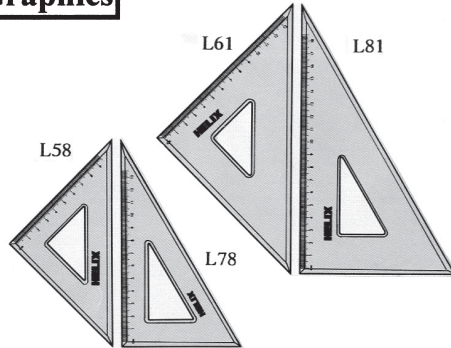
U56



Graphics

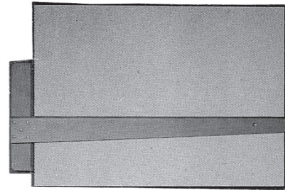
Set Squares

Code	Size	Price	
		each	per 10
L58010	21cm 45°	£1.59	£15.09
L78010	21cm 60°	£1.59	£15.09
L61010	26cm 45°	£1.78	£16.93
L81010	26cm 60°	£1.78	£16.93
L64010	31cm 45°	£2.45	£23.30
L84010	31cm 60°	£2.45	£23.30



Drawing Boards

Code	Description	Price each
T11040	A1 White faced chipboard	£22.79
T12040	A2 White faced chipboard	£14.51
T02040	A2 Plywood	£12.64
T03040	A3 Plywood	£8.42



Tee Squares (Minimum Order 5)

Code	Description	Price per 5
T21040	A1 Pine	£75.36
T22040	A2 Pine	£71.50
T94041	18" Shatterproof	£32.63
T98041	25" Shatterproof	£37.71



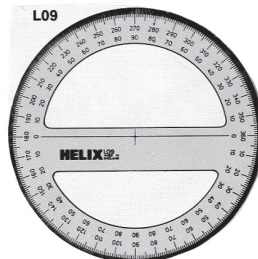
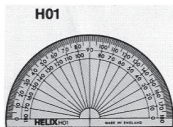
Flexible Curves

PVC coated with a lead & steel core.

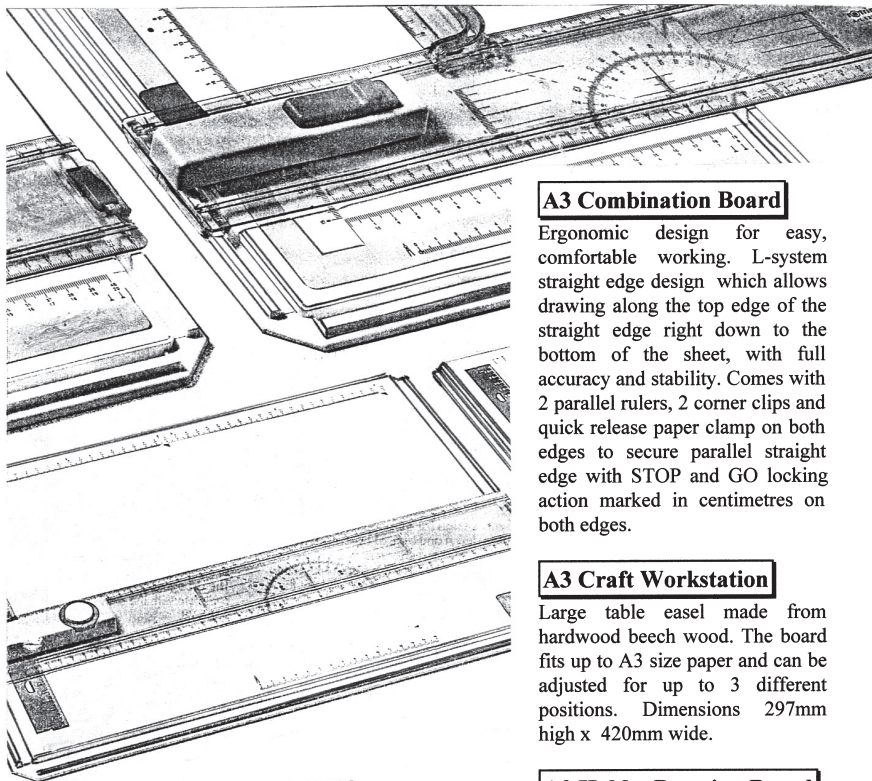
Code	Description	Price each
U44010	400mm Flexible Curve	£7.71
U46010	600mm Flexible Curve	£8.41

Protractors

Code	Description	Price	
		each	per 10
H01030	100mm Small 180°	£0.48	£4.56
L07010	150mm Large 180°	£1.19	£11.31
L09010	150mm Large 360°	£1.67	£15.86
L10010	Angle Measure	£2.23	£21.19



Drawing Boards



A3 Combination Board

Ergonomic design for easy, comfortable working. L-system straight edge design which allows drawing along the top edge of the straight edge right down to the bottom of the sheet, with full accuracy and stability. Comes with 2 parallel rulers, 2 corner clips and quick release paper clamp on both edges to secure parallel straight edge with STOP and GO locking action marked in centimetres on both edges.

A3 Craft Workstation

Large table easel made from hardwood beech wood. The board fits up to A3 size paper and can be adjusted for up to 3 different positions. Dimensions 297mm high x 420mm wide.

A3 Hobby Drawing Board

For basic school and hobby use. Impact resistant plastic with non slip feet and secure magnetic paper clamping rail. Parallel motion features STOP and GO system and protractor.

Drawing Boards

Code	Description	Price each
85090	A3 Combination	£33.40
85039	Craft Workstation	£29.25
LX44150	A3 Hobby	£39.50

Blackboard / Whiteboard

4 Piece Boxed Set

Contains;
60° Set Square
Multi Instrument
Compass with whiteboard adaptor
Metre Rule (Metric/Imperial)

Code	Size	Price
X63040	4 Piece Boxed Set	£39.70

Compass with Adaptor

Compass with whiteboard adaptor, sucker and point.

Code	Size	Price
X64040	Compass with adaptor	£15.56

180° Protractor

Protractor printed in single degrees and 10 degrees increments.

Code	Size	Price
X03040	180° Protractor	£8.20

Whiteboard Cleaner

Four felt cleaner for use with whiteboards.
Felt size: 128x40x14mm

Code	Size	Price
X43040	Whiteboard Cleaner	£3.25

Multi Instrument Set

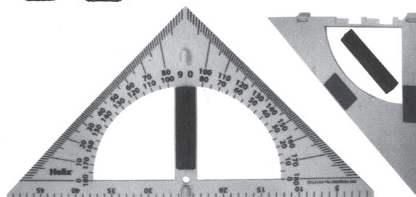
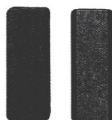
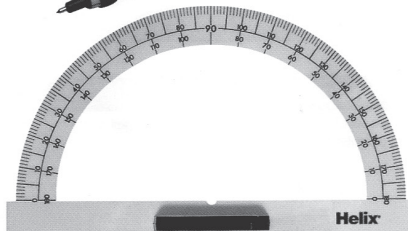
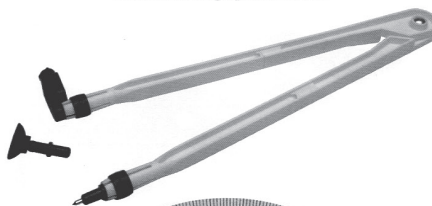
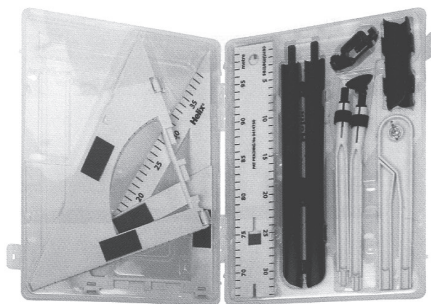
Contains;
45° Set Square
180° Protractor
Metre Rule (Metric/Imperial)

Code	Size	Price
X62040	Multi Instrument Set	£13.22

Metre Rule

Metre long rule printed with metric and imperial measurements in 1, 5 and 10cm (metric) and 1/4, 1/2 and 1" (imperial) increments.

Code	Size	Price
X46040	Metre Rule	£10.82



Rotatrim - M-Series

General Purpose Rotary Cutter

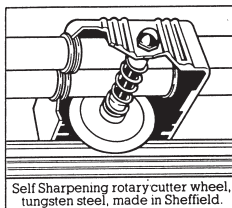
Carefully made in England and justifiably called by its users "The finest rotary cutter in the world" the M Series RotaTrim sets a standard of performance and construction that is unrivalled.

Safe in operation (conforms to BS5498/1977) the Sheffield tungsten steel blades give precise and consistent cutting results over a very wide range of materials. The RotaTrim twin tube system, supported by metal end castings ensures the rigidity essential for accurate cutting performance yet still allows the self sharpening rotary wheel to glide easily on nylon bearings.

The wipe clean neutral grey melamine baseboard is designed to accept the users permanent or semi permanent grid markings.

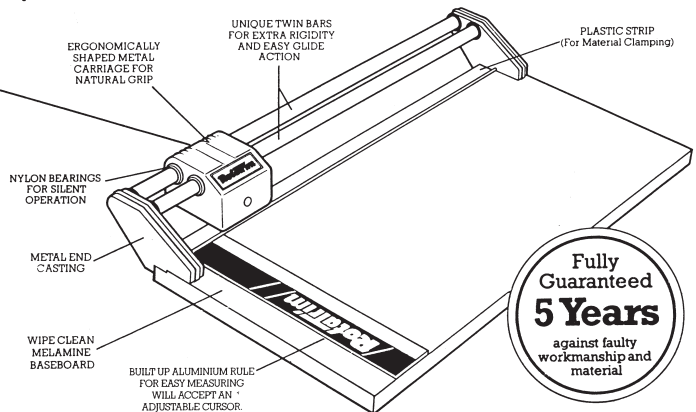
Quality of design, materials and the care taken in manufacture have ensured worldwide acceptance of the RotaTrim in Offices, Schools, Studios, Drawing Offices, Workshops and Printers.

Every machine is backed by the unique RotaTrim five year guarantee against faulty workmanship and materials.



MATERIALS HANDLED

Art Board (Artwork), Blotting Paper
Cardboard, Computer Stationery
Cibachrome, Drafting Film
Dry Mounting Tissue, Dyeline Prints,
Gelatine Filters, Hardboard (up to
2mm, models M12-M24 only)
Heatseal Laminating Film, Lead
Leather, Litho Plate, Mounting Board,
Paper, Photographic Film and Paper
Plastic Sheet, Polypropylene Film
Polyester Laminating Film
Pressure Sensitive Film, Rubber
Shim Steel, Silicone Coated Paper Tissue.



Fully
Guaranteed
5 Years
against faulty
workmanship and
material

Model	Cut length	Dimensions			Weight	Maximum Thickness of Cut
		Width	Depth	Height		
M12	305mm 12ins	471mm	382mm	95mm	4.90 kg	3mm
M15	382mm 15ins	547mm	382mm	95mm	5.30 kg	3mm
M18	445mm 17.5ins	610mm	382mm	95mm	6.0 kg	3mm
M24	610mm 24ins	776mm	382mm	95mm	7.10 kg	3mm
M30	763mm 30ins	928mm	382mm	95mm	8.50 kg	3mm
M36	914mm 36ins	1080mm	382mm	95mm	8.60 kg	2mm
M42	1068mm 42ins	1234mm	382mm	95mm	12.00 kg	1.5mm
M54	1374mm 54ins	1539mm	382mm	95mm	14.50 kg	1.5mm

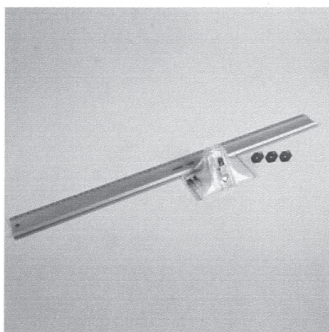
Model Code	Length of Cut	Maximum Cut	Price each
M12	305mm	3mm	£136.01
M15	382mm	3mm	£151.06
M18	455mm	3mm	£171.89
M24	610mm	3mm	£208.35
M30	763mm	3mm	£255.24
M36	914mm	2mm	£291.70
M42	1068mm	1.5mm	£343.78
M54	1374mm	1.5mm	£406.29

Framing & Mounting

Jakar Mount Cutting System

An economically priced mount cutting system which comes complete with 45° and 90° cutters and a 600mm aluminium rule. The rule incorporates a guide groove in which the cutter is placed for accurate straight cuts. The cutter is supplied complete with 5 blades and simple instructions.

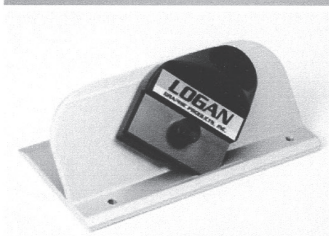
Code		Price
D001	Mount Cutting System	£23.99
D002	Pack of 5 Spare Blades	£3.99



Logan 2000 Hand Mount Cutter

This simple but effective handheld mount cutter will cut at a 45° angle. It includes a retractable blade with the blade slot designed to prevent blade flex, to ensure a straighter cut. A start-and-stop indicator helps to eliminate overcuts so all you need to do is use the line to stop at your drawn frame. Mark out your area on the reverse of your mount and use the Logan 2000 to achieve a professional result. Easy to use both right or left-handed. Overall unit length 100mm.

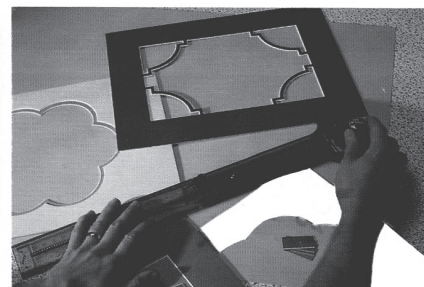
Code		Price
D005	Hand Mount Cutter	£48.35
D016	Pack of 10 Spare Blades	£6.85



Circle Mount Cutter

Model 360 Circle Cutter is a real innovation in mount cutting. It is simple to use and will cut 45° bevelled circles from a tiny 1" diameter cut to a 32" in 1/8" steps. Comes complete with instructions and 5 blades.

Code		Price
D009	Circle Mount Cutter	£63.58



Quality Card Mounts

10 sheets of board 520x640mm each containing different sizes of mounts. Mount sizes are 5x7", 8x10", 10x12", 12x16", 16x20", 20½x25½". Also included is a sheet of greyboard 21x26" ideal for use as a picture mounting board.

Code		Price
B620	Pack of 10	£28.38

Mounting Board

A1 size x 1400 micron

106 Bottle Green 130 Ivory

107 Brick 142 Black

114 Coffee 152 Silver Grey

119 Deep Cream 156 Stone

121 Chestnut 168 Willow Green

128 Blue 169 Antique White

Code	Price each	Price Pk 10
B409 + Colour	£3.51	£33.40

Graphics / Compass

Graduate Compass

Popular diecast model featuring shortened safety point, self centring mechanism and cam lock pencil retaining ring. Complete with 3½"/9cm pencil.

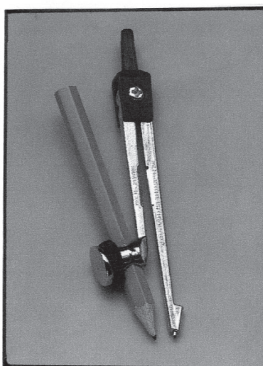
Code	Description	Price	
		each	per 10
G05030	Graduate Compass	£1.65	£15.68



Self-Centring Safety Compass

Modern compass design featuring large easy grip bow-top, self centring mechanism and unique safety point. Complete with 3½"/9cm pencil.

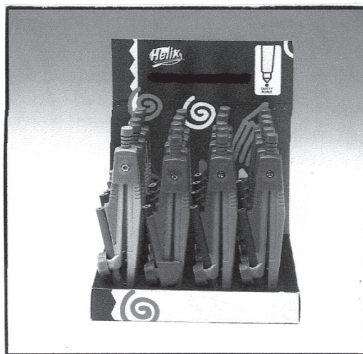
Code	Description	Price	
		each	per 20
G03040	Safety Compass	£1.56	£29.64



Self-Centring Plastic Compass

Plastic compass with ergonomic head designed for learning, non slip grip for easy handling and safety point. Complete with 3½"/9cm pencil.

Code	Description	Price	
		each	per 10
191611	Plastic Compass	£1.40	£13.30



Lockable Compass

A precision spring-bow compass with unique safety point and thumb adjustment for accurate setting and stability. Comes complete with 3½"/9cm pencil.

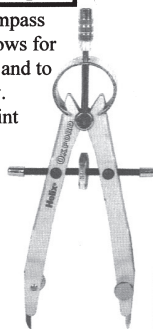
Code	Description	Price	
		each	per 10
G15070	Lockable Compass	£1.68	£15.96

Graphics / Compass

Oxford Spring Bow Compass

Self-centring spring bow compass with thumb wheel which allows for micro precision adjustments and to maintain consistent accuracy. Supplied with removable point and spare leads.

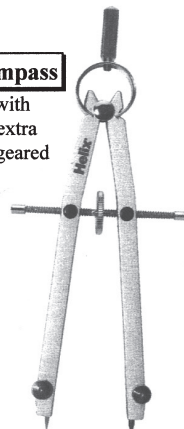
Code	Price
T37089	£4.66



160mm Spring Bow Compass

160mm spring bow compass with thumb wheel which provides extra accuracy and precision and a geared head for centring.

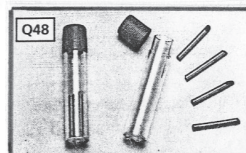
Code	Price
T78010	£4.90



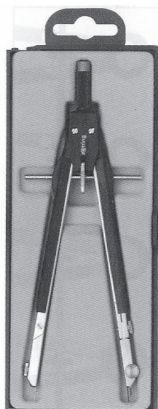
Spare Compass Leads

Tube of spare compass leads

Code	per 4	per 100
Q48010	£0.56	£12.50



K&M Choice



R 529 001



R 529 003

Rapid Adjustment Compass

165mm long with two hinged legs for circles up to 250mm diameter.

R-529-001	£10.54
-----------	--------

Compass Set (6 pieces)

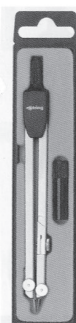
General purpose compass, extension bar, ruling pen and holder, small bow compass, plain divider supplied in lead box.

R-529-003	£10.43
-----------	--------

General Purpose Compass

140mm long with hinged leg for circles up to 320mm diameter.

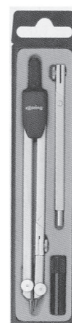
R-529-006	£3.86
-----------	-------



R 529 006



R 529 007



R 529 008

Telescopic Compass

140mm long with hinged leg for circles up to 410mm diameter.

R-529-007	£4.37
-----------	-------

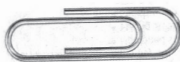
General Purpose Compass and Extension Bar

140mm long with hinged leg and extension bar for circles up to 500mm.

R-529-008	£4.76
-----------	-------

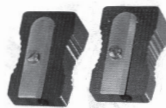
Graphics

Paper Clips



Code	Size	Price
KF01314	32mm	£0.72 per 100
KF01315	32mm	£3.24 per 1000
KF01318	50mm	£1.13 per 100
KF01320	77mm	£2.61 per 100

Pencil Sharpeners



Code	Description	Price each
Q03060	Plastic	£0.15
Q01060	Metal	£0.44

Design Tub Sharpener 2292

Tub sharpener for use with standard sized pencils up to 8.2mm diameter with a sharpening angle of 23° and accurate lines. Hinged cover to prevent the shavings from spilling and lid with safety lock to avoid accidental opening.

Price each: £3.50

Drawing Board Clips

Code	Price
LS201/10	2.01 per 10
LS201/100	18.29 per 100



Drawing Pins

Code	Size		Price per 100
WS34231	9.5mm	Box	£0.53
WS34251	12.5mm	Box	£0.76
WS34520	12.5mm	Tub	£1.11

Rubbers

Code	Price per 20
HX51031	£5.20



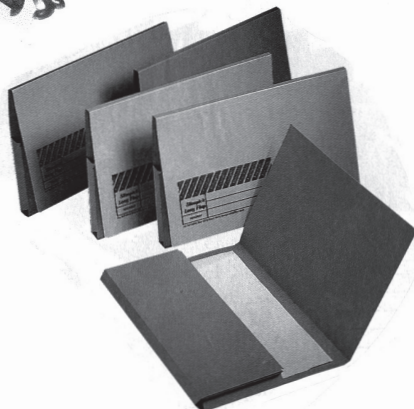
Paper Fasteners

Code	Size	Price per 80
KF02028	17mm	£1.10



Document Wallets (Folders)

Code	Size	Colour	Price per 50
KF23010	A4	Buff	£12.90
KF23011	A4	Blue	£12.90
KF23012	A4	Green	£12.90
KF23016	A4	Red	£12.90
			Price per 25
GH4785	A3	Blue	£37.74



Graphics

Book Covering Film

Clear, self adhesive, 50 micron film which provides a flexible, durable and wipeable protective covering for books, wall charts, maps and reference cards.

Code	Size	Price per Roll
BCF-325	330mm x 3mtr	£3.25
BCF-505	500mm x 5mtr	£5.99
BCF-510	500mm x 10mtr	£11.50
BCF-525	500mm x 25mtr	£27.99

Masking Film

Specially developed to cater for all Airbrush Making requirements. A strong effective adhesive avoids seepage yet allows the film to be peeled off cleanly after use.

Clear Gloss

Code	Size	Price per 8 sheet pack
SA52824	381mm x 254mm	£9.06

Price per Roll

SA52816	381mm x 3.66mtr	£10.94
SA52818	600mm x 4mtr	£12.78
SA52820	500mm x 10mtr	£22.36

Clear Matt

Code	Size	Price per 10 sheet pack
SA52808	381mm x 254mm	£9.06

Price per Roll

SA52802	381mm x 3.66mtr	£10.94
SA52804	635mm x 3.66mtr	£17.19

Opal White Card

A Bright White 280 Micron Card.

Code	Size	Price per 125
OWC5070	510 x 635mm	£71.00

Colourcard

A range of brightly coloured surface coated card.

Available in 14 colours. Sheet Size: 510 x 635mm

Code	Colour	Price Pk25
SCC5163PI	Pink	£14.20
SCC5163PG	Pale Green	£14.20
SCC5163MG	Mid Green	£14.20
SCC5163LE	Lemon	£14.20
SCC5163PB	Pale Blue	£14.20
SCC5163WH	White	£14.20
SCC5163MB	Mid Blue	£14.20
SCC5163BS	Black Surface	£14.20
SCC5163SI	Silver	£14.20
SCC5163GO	Gold	£14.20
SCC5163BR	Brown	£14.20
SCC5163BY	Bright Yellow	£14.20
SCC5163MC	Mixed Colours	£14.99

Copic Markers

Marker with a dual purpose chisel shaped nib.

Code	Description	Price each
M100	Black	£3.25
E40	Brick White	
C7	Cool Grey	
C2	Cool Grey	
E71	Champagne	
E50	Egg Shell	
W7	Warm Grey	
W1	Warm Grey	
E08	Brown	
R02	Flesh	
E29	Burnt Umber	
E77	Maroon	
E59	Walnut	
E57	Light Walnut	
G28	Ocean Green	
G21	Lime Green	
Y11	Pale Yellow	
YG17	Grass Green	
YG03	Yellow Green	
BG000	Pale Aqua	
BG09	Blue Green	
B05	Process Blue	
BV02	Prune	
B23	Phthalo Blue	
BV08	Blue Violet	
V09	Violet	
RV04	Shock Pink	
R29	Lipstick Red	
RV34	Dark Pink	
R20	Blush	
E11	Barely Beige	
R27	Cadmium Red	
YR04	Chrome Orange	
YR07	Cadmium Orange	
YR23	Yellow Ochre	
E37	Sepia	
Y06	Yellow	
Y15	Cadmium Yellow	
Y00	Barium Yellow	
B100	Blender	
Starter Pack 40 Pens (1 of each)		£123.50

Gateway Natural Tracing Paper

Economy, ideal for use in schools and colleges.

Code	Size	Price per Roll
GW012468	841mm x 20m	£16.68
		Price per 500 Sheets
GW000617	A1	£178.18
GW000603	A2	£92.85
GW000589	A3	£47.35
GW000575	A4	£25.50

Graphics

Cartridge Paper (Drawing)

Sheet Size	Price per Ream
A1 594 x 841mm	£54.78
A2 420 x 594mm	£28.65
A3 297 x 420mm	£15.33
A4 210 x 297mm	£7.93

Premium Pastel Sugar Paper

Packed in 250 sheets

6 Pastel Colours. Ideal as a beginning of term starter pack. 140gsm

Code	Size of Sheet	Price
D902	A2 450 x 594mm	£25.50

White Copier Paper

Sheet Size	Price per Ream
A4 210 x 297mm	£3.39
A3 297 x 420mm	£6.78

Rainbow Copier Paper

Colours available:

Green - Yellow - Blue - Cream - Pink

Size	Price per Ream
A4	£5.89

Foam Centred Display Boards

A new British made quality foam centred board. Sold in pack quantities only.

Thickness	Sheet size	Price per 10
3.0mm	508 x 762mm	£22.02
5.0mm	508 x 762mm	£26.03
10.0mm	508 x 762mm	£43.45

Supreme Polyfolio Ziptop Plastic Wallets

Rugged coloured polyethylene wallet with brass zip and coloured top. Assorted Colours.

Code	Size	Price per 25
SP18R	A3 485 x 340mm	£54.03

Punched Pockets (Plastic Clear)

Code	Price per 100
Y3-KF24001	£3.39

Card Dividers

A4 Multicoloured card subject dividers.

Code		Price per Set
ES551090	5 Part	£0.55
ES551106	10 Part	£0.98

Ring Binders

A4 2 ring binder durable construction.

4 colours available.

Code	Colour	Price per 10
P29-5403R	Red	£15.80
P29-5403B	Black	£15.80
P29-5403G	Green	£15.80
P29-5403BU	Blue	£15.80

Economy Folders

A4 featuring deep pockets with gussets and half flap. 32mm capacity

Code	Colour	Price per 50
23 KF2301B	Buff	£10.89
23 KF2301BU	Blue	£10.89
23 KF2301GR	Green	£10.89

Manila Folders

Code	Size	Price per 100
Y3KF2305M	A4	£8.74

Square Cut Folders

Colours available: Yellow - Red - Green - Blue

Code	Price per 100 any 1 Colour
Y3-KF23025	£17.59

Graphics

Day-Glo Paper

A Range of 6 Brilliant Colours.

Sheet Size:	450 x 640mm	
Roll Size:	760mm x 10 metres	Price per
Code	Colour	25 Sheets
DCP5176AC	Arc Chrome	£7.47
DCP5176NR	Neon Red	£7.47
DCP5176FG	Flash Green	£7.47
DCP5176BL	Blaze	£7.47
DCP5176SO	Sunset Orange	£7.47
DCP5176SY	Saturn Yellow	£7.47
25 Sheets Mixed Colours		£8.31
Price per Roll		£6.74

Day-Glo Gummed Paper

A range of 5 Brilliant Colours.

Sheet Size:	450 x 640mm	Price per
Code	Colours	25 Sheets
DGG4564AZ	Arc Chrome	£7.00
DGG4564NR	Neon Red	£7.00
DGG4564FG	Flash Green	£7.00
DGG4564SY	Saturn Yellow	£7.00
DGG4564SO	Sunset Orange	£7.00
25 Sheets Mixed Colours		£7.67

Bleedproof Marker Pads

50 Sheets of smooth white 70gsm paper per pad.

Code	Size	Price per Pad
CHGPB1A2	A2	£11.94
CHGPB1A3	A3	£7.04
CHGPB1A4	A4	£4.68

Drawing Pads

For drawing and sketching in pencil & charcoal.

Lightly textured 90gsm cartridge paper.

50 Sheets in each Pad.

Code	Size	Price per Pad
CHS2A3	A3	£5.10
CHS2A4	A4	£3.19

Layout Pads

80 sheets of 50gsm bank paper per Pad. Good degree of transparency. Substantial resistance to bleed through.

Code	Size	Price per Pad
CHL1A3	A3	£6.63
CHL1A4	A4	£4.46

Fluorescent Glo Pad

25 Sheet Pad of five bright assorted colours.

Ideal for posters, presentations, photocopies etc.

Code	Size	Price per Pad
BL1036	A4	£2.37

OHP Film

Code	Type	Price
Y3-KF26066	PPC Film Clear	£14.03 per 100
Y3-KF26070	Ink Jet Film	£16.09 per 50
Y3-KF37011	Laser Film	£9.71 per 50

Note Pads

Code		Price per 10
Y3-KF32001	A4 Feint Ruled	£3.77

Adjustable Set Square

Code	Size	Price each
MNF9J128	28cm Hypotenuse	£15.99

Supa Roller Rule

Code		Price each
ROLR300	300mm Roller Rule	£4.13

MT Mat Cutter

Cuts mat board at 45° bevel. Also cuts painting, photos, illustration and other artwork frames. Blade Retracts automatically when not in use. Depth-of-cut adjusts for varying material thickness.

Underlay - Cardboard surface, Styrofoam sheets or cutting mats are recommended.

Ruler - cut off non-slip rubber base sheet (included) and apply it to underside of a thick wide ruler.

To cut Mat Boards:

1. Draw a cutting line on the back.
2. Adjust cutting depth of the blade.
3. Align the cutter with the cutting line.
4. Secure a ruler or straightedge in position.
5. Cut along the line.
6. Overcut corners slightly for a clean cut.

Code	Price each
MAT-45P	£35.60

Pencils

Sandford / Berol

Mirado/Spectrum

Britain's favourite office pencil in the distinctive golden yellow lacquer. Please accept Spectrum pencils as replacements when stocks are exhausted.

Available in 4H, 2H, H, HB, B, 2B, 3B, 4B

£3.50 per 12 £19.55 per 72

Chinagraph

For use on porous or non-porous materials such as china, glass, metal or plastic.

Available in Black, Red, White.

£0.99 each £11.52 per 12

Staedtler

Traditional

The popular general pencil.

Available in 3B, 2B, HB, H, 2H, 3H, 4H

£5.22 per 12 £29.75 per 72

K&M Choice

Multicolour

Bright coloured pencils available in boxes of 12 and 36 assorted.

ES116712 pack 12 £2.25

ES116724 pack 36 £4.25

Felt Tip

Washable colouring pens, non toxic inks with ventilated safety caps.

MN01003 Wallet 30 assorted £2.99

MN01501 Wallet 60 assorted £5.39

MN01401 Wallet 90 assorted £7.19

Coloured Pencils

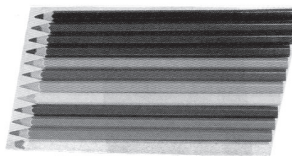
Highly dependable coloured pencils with soft leads providing intense, smudge free colour with minimum pressure. The colours can be blended together.

Available in Black, Light Blue, Dark Blue, Light Brown, Dark Brown, Crimson, Peach, Light Green, Mid Green, Dark Green, Magenta, Orange, Red, Purple, White, Yellow.

Any one colour per 12 £3.54

Assorted Wallet of 12 £3.45

Wallet of 36 £6.57



Noris

Commercial blacklead pencil.

Available in 2B and HB

£4.21 per 12 £24.50 per 72

Rop HB

General purpose graphite pencil HB.

RX34253 pack 12 £1.58

RX34251 pack 144 £17.99

Graphics

Clutch Pencil - Rapid Design

Luxury leadholder featuring cushioned point rubberized barrel surface, knurled grip, lead grade indicator and push button lead advance. Available in 4 diameters 0.3mm, 0.5mm, 0.7mm and 0.9mm.

Please State Diameter

Description

Clutch Pencil Rapid Design

Price each

£4.35

Clutch Pencil - Automatic Design

Fast action professional leadholder with fixed sleeve and shock absorber for smooth, trouble free writing and drawing.

Two diameters; 0.5mm & 0.7mm.

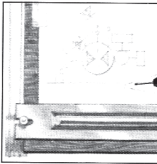
Please State Diameter

Description

Clutch Pencil Automatic

Price each

£1.82



Leads: B - HB - H - 2H

Size	Price per Pack 12 Leads
0.3mm	£1.19
0.5mm	£1.19
0.7mm	£1.19
0.9mm	£1.19

Shapersaw Replacement Blades

Code	Description	Length	Price
1030	12 x Fine Piercing Blades	13cm	£2.58
1031	12 x Medium Piercing Blades	13cm	£2.58

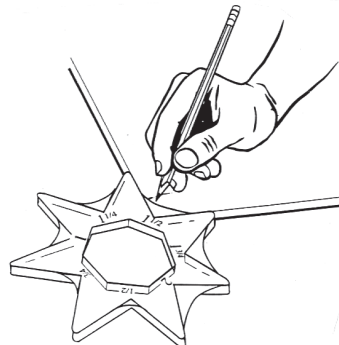
Shapersaw Spares

Code	Description	Price
3804	4mm Hex Ball Driver	£1.77

Corner Templates

Draw accurate and repeatable corners the easy way. The corner templates are made of durable high strength engineering resin - ideal for the workshop. Transparent for continuous viewing of the work surface. Set of 4 templates giving 25 options convex, concave and 45 degree angle.

Price £13.83 per set

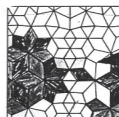


Graphics

A range of water-based pens and markers for colouring applications in school and the home. Colourpen, Colourstick and Colourbrush share a common colour range.

Colourpens (Colourfine)

Fine fibre-tip for detailed colouring and drawing. Water-based inks: Black, Blue, Light Blue, Brown, Green, Light Green, Grey, Orange, Pink, Purple, Red and Yellow.



Code	Description	Price
CF	12 Any One Colour	£3.98
CF16W6	Mixed Wallet of 6	£1.75

Coloursticks (Colourbroad)

Round fibre-tip for broad colouring and drawing. Water-based inks: Black, Blue, Light Blue, Brown, Green, Light Green, Grey, Orange, Pink, Purple, Red and Yellow.



Code	Description	Price
CB	12 Any One Colour	£3.98
CB6W6	Mixed Wallet of 6	£1.75

Colourbrush

Brush style tip offers variable line widths for colouring large or small areas. Water-based inks: Black, Blue, Light Blue, Brown, Green, Light Green, Grey, Orange, Pink, Purple, Red and Yellow.



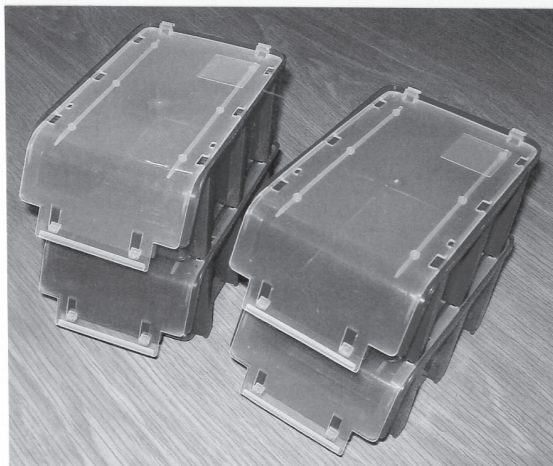
Code	Description	Price
CBR	12 Any One Colour	£3.98
CBR12W12	Mixed Wallet of 12	£3.85

Stackable Storage Box with Lid

Low cost coloured stackable storage boxes with clear plastic lid.

Dimensions: 160mm Depth
112mm Width
75mm Height

Code	Price each
SSB117	£1.75



Graphics

Dry Wipe Marker

For use on Whiteboards.
Low odour ink dries instantly yet can be removed easily with dry cloth.
Available in 4 colours: Black, Blue, Red, Green.



Description	Price
Dry Wipe Marker - Any Colour	£1.32
Wallet of 4 Assorted Colours	£4.95
Eraser	£3.05
Cleaner	£6.65
Foam Cleaner	£5.95

Permanent Marker

Bullet tip offers variable line widths. Marks permanently on most surfaces.
Waterproof inks: Black, Blue, Green, Red.



Description	Price
Permanent Marker - Any Colour	£1.05
10 Permanent Markers Any One Colour	£9.45

Highlighter

Fluorescent Ink Pen for emphasising important words or phrases in text. Chamfered tip offers a choice of line. Available in Fluorescent Colours: Yellow, Orange, Green, Blue.



Description	Price
Highlighter - Any One Colour	£0.86

Biros

Crystal Medium Point.
Available in Red, Blue, Black.



Description	Price
Biro Medium - Any One Colour	£0.16
20 Biros Any One Colour	£2.69

Overhead Projection Pens

Choice of permanent and non-permanent overhead projection marker pens.

Super-Fine Tip Permanent

Code	Colour	Price
OHPPSO	Orange	£0.62
OHPPSV	Violet	£0.62
OHPPSY	Yellow	£0.62



Fine Tip Permanent

Code	Colour	Price
OHPPFO	Orange	£0.64
OHPPFY	Yellow	£0.64
OHPPFBA	Black	£0.64



Medium Tip Permanent

Code	Colour	Price
OHPPMO	Orange	£0.66
OHPPMG	Green	£0.66
OHPPMR	Red	£0.66
OHPPM4	4 assorted colours	£2.38



Broad Tip Permanent

Code	Colour	Price
OHPPBO	Orange	£0.68
OHPPBY	Yellow	£0.68
OHPPBR	Red	£0.68



Super-Fine Tip Non Permanent

Code	Colour	Price
OHPSG	Green	£0.63
OHPSO	Orange	£0.63
OHPSR	Red	£0.63
OHPSV	Violet	£0.63
OHPSY	Yellow	£0.63

Fine Tip Non Permanent

Code	Colour	Price
OHPFO	Orange	£0.65
OHPFG	Green	£0.65
OHPFY	Yellow	£0.65
OHPFV	Violet	£0.65
OHPFBR	Brown	£0.65
OHPFR	Red	£0.65
OHPF4	4 assorted colours	£2.34

Medium Tip Non Permanent

Code	Colour	Price
OHPMO	Orange	£0.67
OHPMG	Green	£0.67
OHPMY	Yellow	£0.67
OHPMBU	Blue	£0.67
OHPMR	Red	£0.67
OHPMV	Violet	£0.67
OHPMBR	Brown	£0.67
OHPMBA	Black	£0.67
OHPM4	4 assorted colours	£2.42

Broad Tip Non Permanent

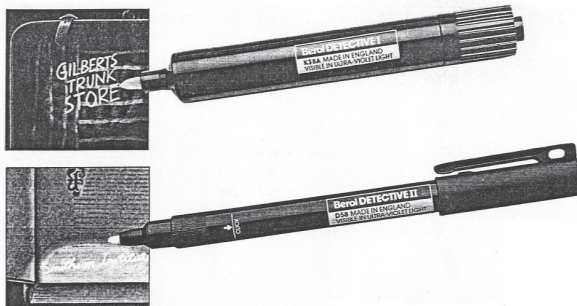
Code	Colour	Price
OHPBO	Orange	£0.69
OHPBY	Yellow	£0.69
OHPBBU	Blue	£0.69
OHPBR	Red	£0.69
OHPBG	Green	£0.69
OHPBV	Violet	£0.69
OHPBBA	Black	£0.69
OHPB4	4 assorted colours	£2.49

Detective Security Range

Introduction

A system for marking and identifying goods, stocks and possessions as a precaution against theft. Recommended by Crime Prevention Officers, the system includes pens and markers with specially developed inks which are transparent and glow visibly as a pale blue mark under ultra-violet light, enabling discreet marking of valuables for positive later identification.

Security ink, for discreet marking of valuables.
Always test surface for effective secrecy and compatibility before use.
Fine Tip Pen for marking small articles.
Broad Tip Marker for marking large articles.



Code	Description	Price each
DETECTIVE DETI	Broad Tip Marker	£1.10
DETECTIVE DETII	Fine Tip Pen	£0.90

Handy lightweight ultra-violet pocket lamp for use with Detective I and II. Replaceable 4 watt 6" fluorescent tube. Powered by standard HP7/R6 batteries (not included)



Code	Description	Price each
DETECTIVE DETL	Detective Lamp	£14.74
DETECTIVE DETRB	Detective Bulb	£5.39

The Berol Detective Engraving Pen has a diamond tip, so very little pressure is needed to engrave glass, metal and other hard surfaces. Included with the engraver is a stencil and deterrent warning stickers.



Code	Description	Price each
DETECTIVE DETDT	Diamond Tipped Engraver	£4.36

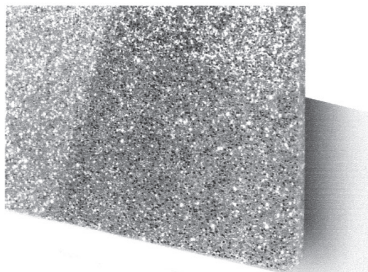
NEW Consumable Materials

Glitter Acrylic Sheet

A new range of Glitter Acrylic sheets which are created by mixing cast Acrylic with Glitter particles. These sheets offer massive opportunities for creative minds and designers allowing them to explore many different and interesting new visual effects.

Sheet size 295mm x 200mm x 3mm

Code	Colour	Price
013-2921	Red	£9.60
013-2922	Blue	£9.60
013-2923	Green	£9.60
013-2924	Gold	£9.60
013-2925	Silver	£9.60
013-2926	Pack of 5 (1 of each colour)	£45.60



Black Mild Steel

Black mild steel bar which is superb for scroll work.

Flat Bar

Black mild steel flat bar supplied in 1.95 metre nominal lengths.

Code	Size	Price
318-3103	10x3mmx1.95mtr	£2.43
318-3133	13x3mmx1.95mtr	£2.76
318-3163	16x3mmx1.95mtr	£3.40
318-3203	20x3mmx1.95mtr	£4.02
318-3253	25x3mmx1.95mtr	£5.10

Round Bar

Black mild steel round bar supplied in 1.95 metre nominal lengths.

Code	Size	Price
318-4006	6mmx1.95mtr*	£1.65
318-4008	8mmx1.95mtr	£2.55
318-4010	10mmx1.95mtr	£3.91
318-4012	12mmx1.95mtr	£4.64

*must be ordered in a minimum of 10 lengths

You can also view all our new and latest products on our website;

www.km-wholesalesuppliers.co.uk

You can also use our website to view current prices,
see additional pictures, descriptions and technical details of our products,
download data sheets and place orders.

Special Offers - Priced to Sell

Micrometer

Code	Description	Price each
MIC-SO	0-25mm Micrometer with tungsten carbide tipped anvils and ratchet complete with lock	£15.20

HSS Drill Sets

Code	Description	Price each
5-161-307M	7 Piece 1.5, 2, 3, 4, 5, 5.5, 6.5mm	£6.40
5-16-510M	10 Piece 1mm-10mm by 1mm	£11.00
5-160-307E	7 Piece 1/16"-1/4" by 1/32"	£6.00

Caliper & Divider Set

Code	Description	Price per set
CD3	3 Piece 6" Internal/External Caliper & Divider Set.	£5.40

Spanner Sets

Code	Description	Price per set
OEM6PC	6 Piece Open Ended Set 6-17mm	£5.20
OEM8PC	8 Piece Open Ended Set 6-22mm	£8.68
OEA6PC	6 Piece Combination Set 3/8-11/16" A/F	£5.30
SS40	40 Piece Socket Set 4-16mm, 5/32-3/8"	£12.50
	1/4" & 3/8" Drive	
SS52	52 Piece Socket Set 4-22mm, 5/32-3/4"	£22.39

Glue Sticks

Code	Description	Price per pack
6330 G/STK 300mm	5Kg of 300mm long General Purpose Gluesticks	£38.50
AP1000 Glue 100mm	11.3Kg of 100mm long General Purpose Gluesticks (1140 approx)	£89.99

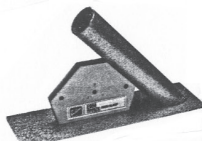
Acrylic Varnish

Code	Description	Price each
ACR-V-G-500	500ml Clear Gloss Acrylic Varnish	£6.68
ACR-V-G-5L	5 Litre Clear Gloss Acrylic Varnish	£48.57
ACR-V-S-500	500ml Clear Satin Acrylic Varnish	£6.70
ACR-V-S-5L	5 Litre Clear Satin Acrylic Varnish	£48.54

Mallet

Code	Description	Price each
RUB8	8oz Rubber Mallet	£3.22

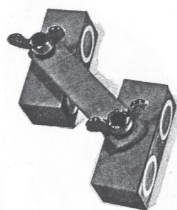
Eclipse Permanent Magnets



EM951

Quick Clamp		Price each
Angles 180° 90° 75° 60° 45°		£11.55
EM951		

Adjustable Link		Price each
EM920		£28.88



EM920

Pocket Magnet		Price each
EM802	1.1/8 x 1 x 5/16"	£4.49



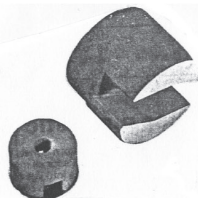
EM802

Minor Magnet		Price each
E801	7/8 x 7/16 x 5/16"	£4.62



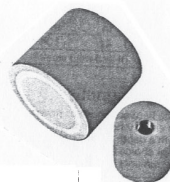
E801

Button Magnets		Price each
E821	1/2 x 3/8"	£3.41
EM822	3/4 x 1/2"	£4.58
EM823	1 x 5/8"	£7.91
EM824	1 1/4 x 1"	£13.75



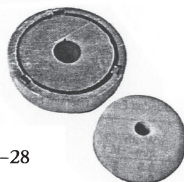
E821-24

Pot Magnets		Price each
EM831	11/16 x 5/8"	£5.86
EM832	13/16 x 3/4"	£6.60
EM833	1.1/16 x 1"	£9.94
834	1.3/8 x 1.3/16"	£17.51



E831-34

Shallow Pot		Price each
826	3/4 x 5/16"	£5.61
EM827	1.1/8 x 11/32"	£8.01
828	1 1/2 x 13/32"	£12.99



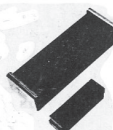
E826-28

Cylindrical Bar		Price each
E805	6 x 20mm	£4.68
EM806	8 x 25mm	£6.88
E807	10 x 20mm	£9.01



E805-7

Rectangular Bar		Price each
E844	20 x 10 x 5mm	£6.96
EM845	40 x 12.5 x 5mm	£9.01
E846	60 x 15 x 5mm	£12.28



E844-46

K & M Magnets

Rectangular Bar

Code	Size	Price	
		each	per 10
011	20 x 10 x 5mm	£1.88	£18.24
012	40 x 12 x 5mm	£2.95	£28.62
013	60 x 15 x 5mm	£4.60	£44.62
014	50 x 15 x 10mm	£8.78	£85.17
015	75 x 15 x 10mm	£10.65	£103.31

Cylindrical

Code	Size	Price	
		each	per 10
017	6 x 20mm	£1.64	£15.91
018	8 x 25mm	£2.03	£19.69
019	10 x 20mm	£2.81	£27.26

Pot

Code	Size	Price	
		each	per 10
020	11/16 x 5/8"	£4.27	£40.57
021	13/16 x 3/4"	£4.86	£46.17
022	1.1/16 x 1"	£7.30	£69.35
023	1.3/8 x 1.3/16"	£12.58	£119.51

Shallow Pot

Code	Size	Price	
		each	per 10
031	1.1/8 x 11/32"	£5.86	£55.67
032	1.1/2 x 13/32"	£9.60	£91.20

Button

Code	Size	Price	
		each	per 10
026	1/2 x 3/8"	£2.29	£22.21
027	3/4 x 1/2"	£3.22	£31.23
029	1.1/4 x 1"	£9.75	£94.58

Ring (Speaker)

Code	Size	Thick	Price	
			each	per 10
035	039OD 23ID	8mm	£1.10	£9.90
036	059OD 25ID	8mm	£1.64	£14.76
037	060OD 24ID	8mm	£2.06	£18.54
038	070OD 32ID	10mm	£3.04	£27.36
039	090OD 40ID	13mm	£4.64	£41.76

Minor

Code	Size	Price	
		each	per 10
033	7/8 x 1 x 5/16"	£3.40	£32.64

Ferrite Magnets (One side only)

Code	Size	Price	
		per 10	per 100
041	09 x 3mm	£0.80	£7.20
042	014 x 3mm	£1.43	£12.87
043	014 x 5mm	£1.53	£13.77
045	020 x 5mm	£2.01	£18.09
046	025 x 3mm	£2.15	£19.35
047	025 x 5mm	£2.46	£22.14
048	030 x 3mm	£3.86	£34.74

Iron Filings

Size	Price	
	each	per 10
200gm Drum Dispenser	£2.29	£22.21

Magnetic Rubber Strip

Size	Price per Mtr Plain	Price per Mtr Self Adhesive
13 x 1.4mm	£1.41	£1.75
19 x 1.5mm	£1.57	£2.01

Magnetic Sheet

Size: 610mm wide x 0.6mm thick

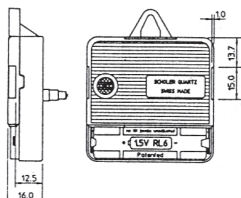
Colours Available: Red - Yellow - Green - Blue
Black - White

	Price per Mtr
Matt Colours	£27.82
Gloss Colours	£28.84

Clock Movements

Clock Movements

Quality quartz clock mechanisms available with two spindle lengths. Complete with Nuts and Washers.



Movements

Code	Size	Price		
		each	10	50
CLM1-4	Short 0-5mm	£1.54	£14.63	£69.30
CLM4-8	Medium 0-9mm	£1.56	£14.82	£70.20

Hands P21

94mm Black plastic in sets of 3
(Hour, Minute and Second)

Single Set	£0.26
10 Sets	£2.57
50 Sets	£12.48
100 Sets	£24.70



Batteries

AA Batteries

Code	Price		
	each	10	100
902-0003	£0.30	£2.70	£24.00

Clock Blanks

Coloured Acrylic sheets
300mm x 300mm x 3mm
Red - Yellow - Green - Blue - Black - White -
Orange £2.15 each

Acrylic Strips

1000mm x 120-150mm x 3mm Acrylic Strips
suitable for use on a variety of projects, available
in a wide range of colours.

Pk of 10 strips (mixed colours)	£26.75
Pk of 10 strips (Clear 3mm)	£23.82

Acrylic Square Clock Blanks

150mm x 150mm x 3mm Acrylic Squares
available in a wide range of colours. Just the job
for Clock Blanks.

Pk of 50 squares (mixed colours)	£19.75
---	---------------

Special Offer Clock Starter Set

Contains everything you need to create 50
clocks.

This set includes; 50 Clock Movements, 50 sets
of Clock Hands, 50 Alkaline Batteries and 50
150mm x 150mm x 3mm Square Acrylic Clock
Blanks in mixed colours.

Code	Size	Price per set
CSSS50	Short movements (0-5mm)	£105.50
CSSM50	Medium movements (0-9mm)	£106.50

Foam PVC Clock Blanks

200mm x 200mm x 3mm (Nominal)
Mixed Colours: White, Blue, Green,
Yellow & Red

Pk of 50 (mixed colours)	£19.60
---------------------------------	---------------

MDF Clock Blanks

170mm x 170mm x 3mm (Nominal)
Pk of 20

£6.60

Springs / Push on Fixes



Extension



Compression

Code	Dia	Length	Price per 10
LS 300/10	3/32	1/2	£5.69
LS 300/11	3/32	5/8	£5.70
LS 300/12	1/8	5/8	£6.12
LS 300/13	1/8	1	£6.13
LS 300/14	1/8	1¼	£6.29
LS 300/15	3/16	5/8	£6.46
LS 300/16	3/16	3/4	£6.65
LS 300/17	3/16	1¾	£7.07
LS 300/18	3/16	2	£7.16
LS 300/19	7/32	1.1/8	£6.88
LS 300/21	1/4	1¾	£7.59
LS 300/23	1/4	2¾	£7.99
LS 300/24	5/16	2¼	£8.10
LS 300/25	5/16	2¾	£8.31
LS 300/26	5/16	3¼	£8.53
LS 300/30	7/16	3	£9.54
LS 300/32	1/2	3½	£10.98

Code	Dia	Length	Price per 10
LS 800/10	1/8	1/2	£1.69
LS 800/11	1/8	5/8	£1.97
LS 800/12	1/8	3/4	£2.49
LS 800/13	5/32	3/4	£2.50
LS 800/14	5/32	1	£2.58
LS 800/15	5/32	1¼	£2.61
LS 800/16	5/32	1½	£3.00
LS 800/17	7/32	1	£2.73
LS 800/18	7/32	1¼	£3.22
LS 800/19	7/32	1½	£3.23
LS 800/20	7/32	1¾	£3.31
LS 800/21	1/4	1½	£3.32
LS 800/22	1/4	2	£3.68
LS 800/23	1/4	2½	£3.78
LS 800/24	5/16	1½	£3.83
LS 800/25	5/16	2	£4.60
LS 800/26	5/16	2½	£4.77
LS 800/27	13/32	1¼	£5.09
LS 800/28	13/32	2	£5.17
LS 800/29	13/32	2½	£5.48
LS 800/30	1/2	2	£5.91
LS 800/32	1/2	3	£7.77

Boxed Sets

LS 301/10	Light Extension Springs 140 Springs LS300 Selection of: 10-21 inc	
	Price per box:	£51.83
LS 301/11	Light Extension Springs 140 Springs LS300 Selection of: 23-32 inc	
	Price per box:	£69.11

LS 801/10	Light Compression Springs 140 Springs LS800 Selection of: 10-21 inc	
	Price per box:	£33.25
LS 801/11	Light Compression Springs 140 Springs LS800 Selection of: 22-30 inc	
	Price per box:	£54.39

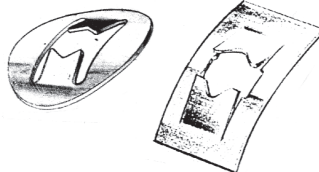
Push on Fixes

For Plain Round Studs (Round Type)

Code	Stud	Price per 100
LS 403/16	3/32"	£2.88
LS 403/10	1/8"	£3.02
LS 403/17	3/16"	£3.65
LS 403/12	1/4"	£4.05
LS 403/15	3.0mm	£4.14
LS 403/19	4.0mm	£4.19
LS 403/35	6.0mm	£4.24
LS 403/39	8.0mm	£4.35

For Plain Round Studs (Square Type)

Code	Stud	Price per 100
LS 403/29	3/32"	£2.79
LS 403/21	1/8"	£3.19
LS 403/22	3/16"	£3.44
LS 403/34	6.0mm	£3.78

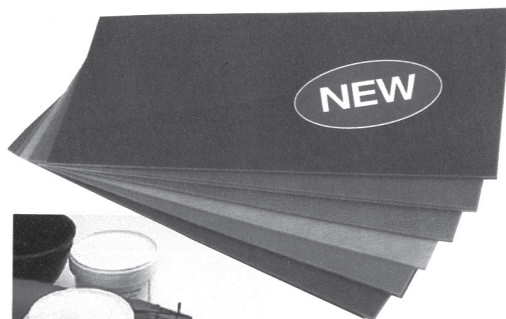


Modelling Materials

Zote Foam

A dense, tactile, sem-rigid modelling foam. Easy to cut shape and glue. Mixed Colour Pack consists of sheets in 9 colours; red, green, blue, yellow, orange, pink, violet, black and white. Sheet size 500x530x6mm

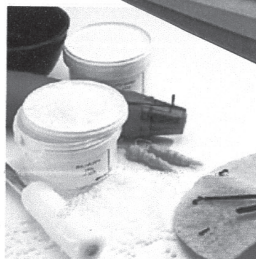
Code	Description	Price
ZF5566	Mixed Colours Pk9	£39.40



Polymorph

A low melting point plastic polymer used for model making and prototyping. It has the characteristics of a tough engineering material yet when heated with hot water it becomes mouldable. It can be reheated and reformed at any time.

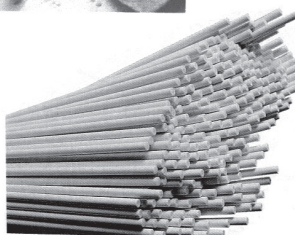
Code	Description	Price
PM0250	Polymorph 250g	£11.25
PM1000	Polymorph 1Kg	£42.99



Paper Sticks

Strong and economical solid white paper sticks. Useful as a modelling material they can be cut with strong scissors and glued with paper glue. Size 4.5 x 290mm.

Code	Description	Price
64064-1	Paper Sticks Pk250	£9.20



Corks

Economy bag of 100 assorted corks

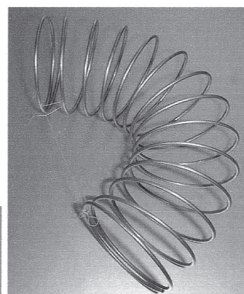
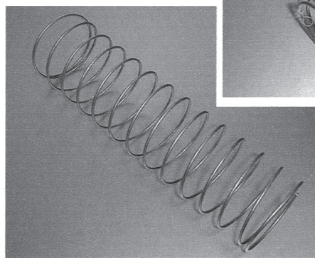
Code	Description	Price
64205-1	Assorted Corks Pk100	£5.75



Jack-in-the-box Spring

- 70mm Outside Diameter
- 2.0mm Wire
- 125mm Free/Open Length
- 45mm Fully Compressed Length
- 7 Coils

Code	Price each	Price per 10
JITB14	£0.75	£7.05



Modellers Materials



Art Mache

Instant papier mache but so much cleaner and easier. Its' wood based and when dry it can be painted, sandpapered or varnished to make puppets, models or cover bottles and containers. Just mix it with warm water.

Code	Description	Price
8411	Art Mache 1kg	£6.17

Art Roc

Plaster impregnated bandage. A versatile modelling material. Use on its own to enhance papier mache, wire or cardboard models.

Code	Description	Price
8401	Art Roc Starter Pack 4 Rolls 8cm x 3mtr	£3.96
8402	Art Roc Bulk Pack 16 Rolls 8cm x 3mtr	£14.94



Stanley Screwdriver Set

Magnum Screwdriver
Set of 6 includes flared,
parallel and crosspoint.
Set of 6 £9.01



Stanley Screwdriver Set

400 Series Screwdriver
Set of 3 includes flared,
pozidriv and crosspoint.
Set of 3 £2.10



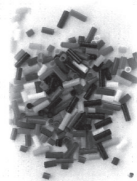
Beads

Various styles supplied in plastic barrel.

Code	Description	Price
CT2280	Barrel of Pony Beads 250g	£5.49
CT2283	Barrel of Straw Beads 200g	£3.29
CT2286	Barrel of Assorted Beads 215g	£3.79
CT2296	Barrel of Wooden Beads 150g	£4.95



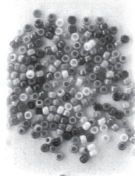
CT2286



CT2283

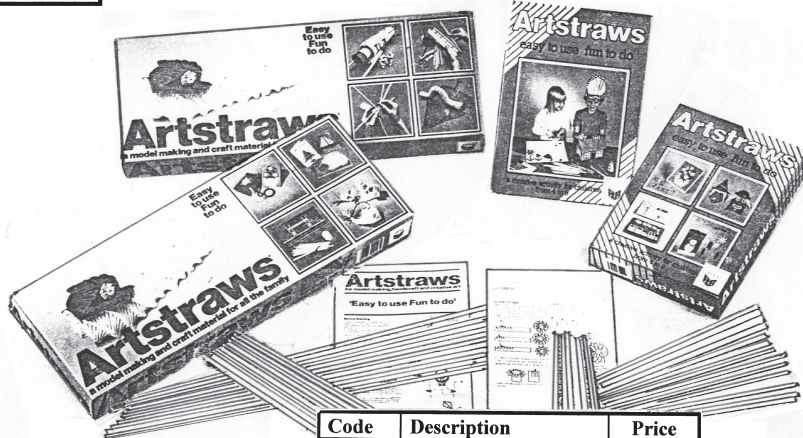


CT2296



CT2280

Artstraws



Code	Description	Price
9017	250 Standard Straws 50 Jumbo Straws	£4.80
9030	1800 Standard Straws	£11.67
9031	900 Jumbo Straws	£11.68

Model Making

Pipe Cleaners



Code	Size	Colour	Price Per Pk100
PC-16A	150x6mm	Assorted	£1.68
PC-14W	150x4mm	White	£0.95
PC-14B	150x4mm	Black	£0.95
PC-34W	300x4mm	White	£1.57
PC-34B	300x4mm	Black	£1.57

Marbles

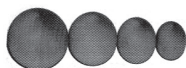
Standard size glass marbles



64669-1	Pk 100	£3.94
---------	--------	-------

Wooden Balls

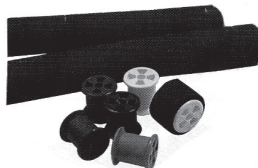
Solid turned birch balls in range of sizes. Pk10.



64673-1	25mm Dia.	Pk10	£1.50
64675-1	30mm Dia.	Pk10	£2.39
64679-1	40mm Dia.	Pk10	£4.49
64681-1	50mm Dia.	Pk10	£5.98

Cotton Reel and Tyres

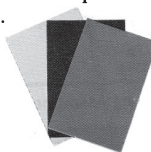
Incredibly low priced cotton reels which can be used as wheels on simple buggies. By adding the selected rubberised foam lagging they can be made to look like racing car tyres. Tyre tube length 250mm.



64357-1	Cotton Reels Pk50	£3.65
64385-1	Cotton Reel Tyre Pk4	£2.70

Felt Squares

Approx. 18 x 300mm Squares mixed colours.



FT18-300	Felt Squares	£11.25
----------	--------------	--------

Enamelling Equipment and Materials

U15 Element Kiln

Heated from two sides
 Watt: 950
 Max Temp: 1000°C
 Voltage: 230v
 Reaches 800° in 30 minutes
 Firing Chamber size: 130 x 130 x 75mm
 Weight: 6.2kg

U15 Element Kiln

Spares:

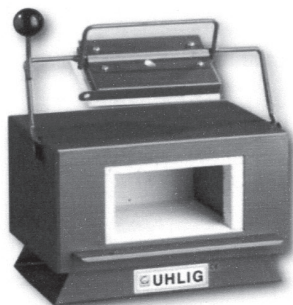
Elements (advised buy in prs)

Price each

£329.95

Price per pair

£96.99



U5 Muffle Kiln

Heated from four sides
 Watt: 900
 Max Temp: 920°C
 Voltage: 230v
 Reaches 800° in 30 minutes
 Firing Chamber size: 120 x 130 x 70mm
 Weight: 6.2kg
 NOTE: This model is primarily built for educational use. Education Authority Approved.

U5 Muffle Kiln

Spares:

0047 Mica Window

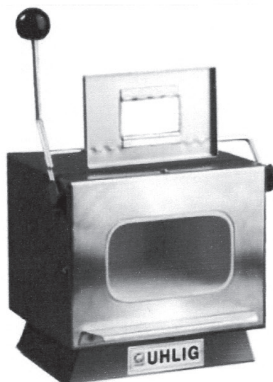
Muffle & Element Combined

Price each

£289.95

£6.15

£205.90



U24ST Muffle Kiln with Regulator

Heated from four sides
 Watt: 1200
 Max Temp: 1100°C
 Voltage: 230v
 Reaches 800° in 45 minutes
 Firing Chamber size: 155 x 170 x 95mm
 Weight: 19.5kg

U24ST Muffle Kiln

Spares:

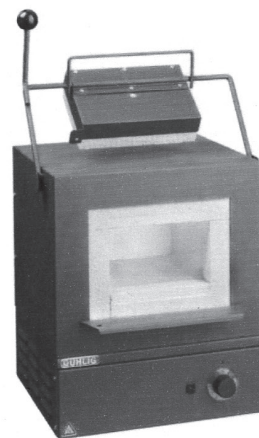
Muffle and Element

Price each

£765.95

Price per pair

£258.75



Spares for above Kilns

Code

U001 Regulator for above Kilns

U005 Pyrometer/Thermocouple

Price each

£147.55

£209.21

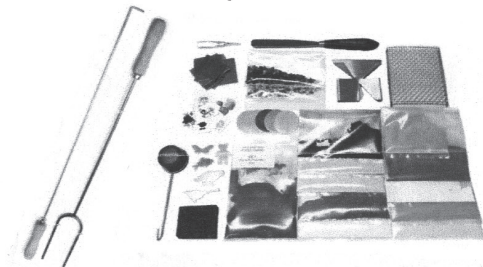
Enamelling Equipment and Materials

Enamelling Starter Kit

Contains: Mesh support, Stilt, Firing Fork, Swirling Tool, Pallet Knife, Sieve, Abrasive Sponge, Tweezers, 100gms Copper Offcuts, 5 x Novelty Copper Shapes, 5 x Regular Copper Shapes, 5 x Transparent Enamel, 5 x Opaque Enamel, Counter Enamel and 2 Types Decoration Media.

Price per Kit

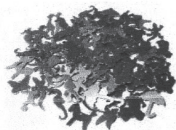
ES1 Enamelling Starter Kit £71.03



Assorted Novelty Copper Shapes

Price per 100

P4 Novelty Copper Shapes £58.05



Round Leather Thonging

Colours Available: Red, Black, Brown

Code	Colour	Dia	Price Per 10 Mtr
LT2-1RE	Red	1mm	£5.81
LT2-1BL	Black	1mm	£5.80
LT2-1BR	Brown	1mm	£5.79
LT2-2RE	Red	2mm	£9.26
LT2-2BL	Black	2mm	£9.24
LT2-2BR	Brown	2mm	£12.92
LT2-3BL	Black	3mm	£12.95
LT2-3RE	Red	3mm	£12.93



Opaque & Counter Enamel

9 x 50gm bags of Opaque Enamel & Counter Enamel.

Code Price per set of 9

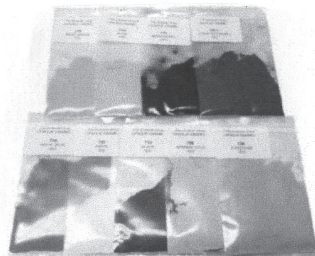
P5 Opaque £45.41

Transparent & Counter Enamel

9 x 50gm bags of Transparent Enamel & Counter Enamel.

Code Price per set of 9

P6 Transparent £45.68

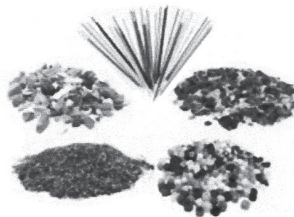


Decoration Pack

Contains: Lumps, Clips, Mosaics and Millefiori. *Contents May Vary.*

Code Price per Pack

P7 Decoration Pack £33.39



Assorted Enamel Transfers

An Assortment of Enamel Transfers.

Code Price per Pack

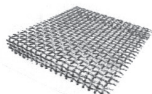
P8 Transfers £8.90



Enamelling Equipment and Materials

Tools

Code	Type	Price
T1	Firing Mesh 100x75mm	£5.49



T2	3-Sided Stilt 90x90mm	£6.91
----	--------------------------	-------



T3	Twin Stilt 47x70mm	£5.36
----	-----------------------	-------



T4	Firing Fork	£6.20
----	-------------	-------



T5	Swirling Tool	£6.25
----	---------------	-------



T7	Pallet Knife	£6.77
----	--------------	-------



T8	Sieve 70mm	£1.20
----	------------	-------



Code	Type	Price
T17	Tramil 50ml (Gum Tragacanth)	£4.05



T20	Fine Mesh Shaker Pot 50gm	£2.52
-----	---------------------------------	-------

T21	200gm	£3.78
-----	-------	-------



Opaque Enamels

Colour	Per 100gms
White	£7.95
Black	£7.95
Red	£10.99
Yellow	£10.99
Dark Blue	£7.95
Light Blue	£7.95
Dark Green	£7.95
Light Green	£7.95
Brown	£7.95
Orange	£10.99

Transparent Enamels

Colour	Per 100gms
Red	£11.10
Yellow	£11.10
Pink	£11.10
Dark Blue	£8.05
Light Blue	£8.05
Green	£8.05
Brown	£8.05
Grey	£8.05
Purple	£8.05
Flux (base enamel)	£8.05

Counter Enamel

DW1	250gms	£11.37
-----	--------	--------

Copper Shapes

Code	Individual	Price per 10
CB03	Square 25mm	£4.14
CB04	Square 31mm	£4.73
CB45	Square 50mm	£7.14



CB06	Round 19mm	£3.68
CB07	Round 25mm	£4.99
CB08	Round 31mm	£5.67
CB09	Round 41mm	£6.25
CB10	Round 50mm	£7.04



CB100	Oblong 60x50mm	£8.85
CB102	Oblong 100x30mm	£8.93
CB105	Oblong 35x25mm	£7.09



CB16	Oval 25x19mm	£4.99
CB57	Oval 43x31mm	£5.88
CB58	Oval 56x37mm	£8.19
CB75	Heart 37mm	£8.61



Modelling Wire

Coloured Enamelled Wire

This premium quality wire is manufactured to the highest standards with an enamelled coating which provides ultra vibrant colours and high sheen finish.



Code	Description	Price
0.2mm x 175 Metre		
377-1201	Red	£4.68
377-1202	Light Gold	£4.68
377-1203	Deep Purple	£4.68
377-1204	Black	£4.68
377-1205	Gunmetal	£4.68
377-1206	Warm Gold	£4.68
377-1207	Wine	£4.68
377-1208	Blue	£4.68
377-1209	Pink	£4.68
377-1210	Green	£4.68
377-1211	Violet	£4.68
377-1212	Lime	£4.68
377-1213	Silver plated	£4.68
377-1200	12 assorted	£53.35
0.5mm x 25 Metre		
377-1501	Red	£4.90
377-1502	Light Gold	£4.90
377-1503	Deep Purple	£4.90
377-1504	Black	£4.90
377-1505	Gun Metal	£4.90
377-1506	Warm Gold	£4.90
377-1507	Wine	£4.90
377-1508	Blue	£4.90
377-1509	Pink	£4.90
377-1510	Green	£4.90
377-1511	Violet	£4.90
377-1512	Lime	£4.90
377-1513	Silver Plated	£4.90
377-1500	12 Assorted	£55.86

Wire

A range of wires available in various diameters.

Aluminium Wire

Code	Dia	Weight	Length	Price
A0710	0.71mm	500g	470m	£9.04
A0900	0.9mm	500g	290m	£9.03
A1000	1.0mm	500g	230m	£9.00
A1250	1.25mm	500g	150m	£8.98
A1600	1.6mm	500g	90m	£8.96
A3250	3.25mm	500g	22m	£8.93

Brass Wire

Code	Dia	Weight	Length	Price
B0900	0.9mm	1000g	93m	£15.73
B1200	1.2mm	1000g	74m	£14.69
B1600	1.6mm	1000g	64m	£14.32

Copper Wire

Code	Dia	Weight	Length	Price
C0900	0.9mm	1000g	90m	£15.47
C1200	1.2mm	1000g	77m	£15.58
C1600	1.6mm	1000g	61m	£15.82

Iron Wire

Code	Dia	Weight	Length	Price
I0710	0.71mm	2000g	300m	£16.25
I1000	1.0mm	2000g	150m	£13.63
I1200	1.2mm	2000g	108m	£13.57

Stainless Steel Wire

Code	Dia	Weight	Length	Price
S0400	0.5mm	500g	480m	£14.00
S0600	0.6mm	500g	210m	£13.98
S1000	1.0mm	500g	75m	£13.96
S1250	1.25mm	500g	50m	£13.94
S1600	1.6mm	500g	30m	£13.93

Jewellery Findings

Plastic Coated Jewellery Wire

Code	Description	Per 10 mtr
703-18C	Plastic coated	£2.13

Kerb Chains Complete With Fittings



Code	Description	Per 10
918GP	18" Gilt Plated	£5.60
918SP	18" Silver Plated	£5.10
918CC	18" Copper Coated	£3.50
924GP	24" Gilt Plated	£7.40
924SP	24" Silver Plated	£6.80
924CC	24" Copper Coated	£4.50

Copper Coated Steel Chain

Code	Description	Per 10 mtr
321-100		£1.38
321-101		£2.09
321-103		£2.90
321-104		£3.66

Brass Chain

Code	Description	Per 10 mtr
601-099F		£4.79
621-103		£8.85

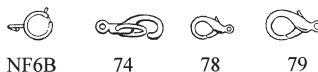
Brass Jump Rings Round Wire



Code	Wire Description	Per 100
4242	Oval 3mm	£1.20
4273	Oval 4mm	£1.30
4363	Oval 4mm	£1.45
4364	Oval 5mm	£1.50
4365	Oval 6mm	£1.55
4486	Oval 7mm	£1.65
27-95	Round 3.8mm	£1.00
27-125	Round 4.5mm	£1.10
32-110	Round 4.5mm	£1.15
36-82	Round 4mm	£1.65
36-125	Round 5mm	£1.20
36-200	Round 7mm	£1.30
40-150	Round 5.8mm	£1.35
48-170	Round 6.8mm	£1.40
48-200	Round 7.5mm	£1.45

Necklet & Bracelet Fittings

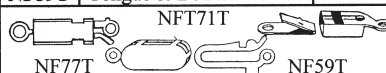
Code	Description	Per 100
NF6B	6mm Bolt Ring Brass	£7.40
NF9B	9mm Bolt Ring Brass	£8.90
NF74	Bolt Ring Brass 15mm	£7.20
NF78	Bolt Ring Gilt 9mm	£14.20
NF79	Bolt Ring Gilt 12mm	£18.10



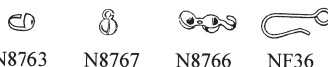
NF3SF	Screw Fast GP 15mm	£11.20
NF5SF	Screw Fast GP 18mm	£16.90
NF6SF	Screw Fast GP 15mm	£9.60



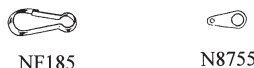
NF77T	Tongue & Box GP 19mm	£9.00
NF71T	Tongue & Box BR 15mm	£6.00
NF59T	Tongue & Box BR 18mm	£9.55



N8763	Necklet End BR 6mm	£1.85
N8767	Necklet End BR 5mm	£3.20
N8766	Necklet End GP 5mm	£3.40
NF36	Necklet End GP 15mm	£3.30



NF185	Necklet End GP 15mm	£5.80
N8755	Necklet Tag GP 8mm	£2.55





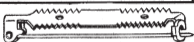
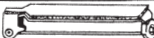
N8948	Necklet Crimps GP 2mm	£1.25
N8949	Necklet Crimps GP 3mm	£1.51
N8946	Necklet Crimps GP 3mm	£1.65
N8947	Necklet Crimps GP 3.5mm	£2.21








N5SR	Split Rings GP 5mm	£3.90
4.9SR	Split Rings GP 4.9mm	£2.84

Jewellery Findings


Brooch Pins

Code	Description	Per 100
BP110	Plain 20mm Nickel Dip	£11.10
		
BP118	Plain 25mm NP	£10.60
		
3127F	Plain 38mm NP	£9.08
		
3129SA	Self Adhesive 31mm	£11.40
		





Pendant Mounts

Code	Description	Per 100
PM145	Silver Plated 10mm	£2.73
PM145R	Silver Plated 12mm	£4.86
PM144R	Silver Plated 9mm	£3.90
		
PM2503	Silver Plated 5mm	£1.70
PM137	Silver Plated 5mm	£1.65
		
PM9007	Silver Plated 5mm	£2.90
PM9008	Silver Plated 7mm	£3.00
PM9009	Silver Plated 10mm	£3.40
		
P268-5F	Nickel Plated 5mm	£4.30
P268-7F	Nickel Plated 7mm	£4.60
P268-9F	Nickel Plated 9mm	£4.90
		
P268-5F		
PM8646	Nickel Plated 19mm	£5.80
PM8647	Nickel Plated 25mm	£6.10
PM8648	Nickel Plated 35mm	£7.90
		

Bell Caps

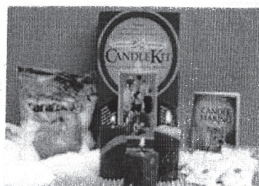
Code	Description	Per 100
BC260	Silver Plated 5mm	£5.34
BC261	Silver Plated 7mm	£7.00
BC263	Silver Plated 10mm	£7.20
BC264	Silver Plated 8mm	£8.52
BC267	Silver Plated 10mm	£14.20
		
	BC260 BC261 BC263 BC264 BC267	

Beads

Code	Description	Per 100
Please specify Gilt or Silver Plated		
BE8880	Plain Round 2.5mm	£0.65
BE8881	Plain Round 3mm	£1.08
BE8937	Plain Round 4mm	£2.28
BE8938	Plain Round 5mm	£3.90
BE8939	Plain Round 6.5mm	£5.80
BE8883	Plain Oval 6mm	£5.85
BE8882	Fluted Hogan 4mm	£8.52
BE8878	Balloon Pattern 8mm	£7.70
BE8879	Planet Pattern 8mm	£8.50
		
BE8884	Pattern Round 4mm	£7.30
BE8885	Pattern Round 5mm	£9.70
BE8887	Pattern Round 8mm	£10.20
BE8888	Pattern Round 10mm	£12.80
BE8889	Round Pattern 12mm	£15.20
BE8872	Long Pattern 15mm	£9.25
BE8873	Long Pattern 18mm	£11.70
BE8874	Long Pattern 22mm	£11.95
BE8875	Long Pattern 25mm	£11.70
		
BE8886	Oval Pattern 7mm	£9.70
BE8934	Balloon Pattern 15mm	£12.20
BE8935	Balloon Pattern 17mm	£15.90
BE8936	Balloon Pattern 22mm	£18.95
		
BE8925	Elong Pattern 13mm	£10.22
BE8926	Elong pattern 16mm	£11.70
BE8927	Elong Pattern 21mm	£12.90
BE8931	Elong Pattern 20mm	£25.40
		

Candle Making

Candle Making Kits



K1 Introductory Kit £43.75

Contains all materials necessary for the beginner 2kg Wax, 250g stearin, 4 dye discs, 4 sizes of wick, mould seal, 2 moulds and an instruction book. Enough for 17 candles using a PM1 mould or equivalent.

GK1 Group Kit £126.74

Contains 9kg wax, 1kg stearin, 9 dye discs, 5 x PM1 & 5 x PM2 moulds, 30 mtr assorted wicks, 500gm mould seal and 10 booklets 'Introduction to the Art of Candle Making'.

K9 Flower Kit £13.47

Contains one rubber flower mould, dye discs, wick, needle, full instructions and enough wax to make four flowers.

K12 Children's Soft Wax Kit £12.82

Soft wax comes in bright colours and warms to modelling temperature after just four minutes in hand hot water. Roll it out, pat it dry with a paper towel and roll it round a wick to make a simple and elegant candle or continue to make mushrooms, rocket ships etc.

Kit contains 7 sheets of various colours.

Yellow, Orange, Red, Pink, Blue, Green, Violet

Paraffin Wax Beaded

WK1	1kg Beaded	£6.99
WK4	4kg Beaded	£24.60
WK9	9kg Beaded	£45.92
WK20	20kg Beaded	£83.88

Stearin

Derived from Palm Oil, Stearin is used for desolving dyes and aiding mould release. Use 10% but DO NOT USE IN RUBBER MOULDS - Substitute Vibar.

STs	250gm	£3.26
STm	500gm	£5.14
STL	2kg	£15.68

Beeswax

Add 5% to paraffin wax to improve the appearance and give a superior, longer burning candle.

BWY 500gm Beeswax Yellow **£15.68**

Petroleum Jelly

To soften wax for modelling purposes. Use from 1 tablespoon to 500g of Microcrystalline.

PJ 100gm Petroleum Jelly **£4.39**

Microcrystalline Soft

Add 10% to paraffin wax for use on glass containers (makes wax sticky) Make your own modelling wax, use 70% micro soft and 30% paraffin wax together with upwards of 1% petroleum jelly to soften.

MS 500gm Micro Soft **£8.28**

Microcrystalline Hard

Used as final dip to stop candles dripping. Improves structure when as little as 1% is added.

MHs 250gm Micro Hard **£6.31**

Wax Glue

Sticks of very soft wax used as a wax-wax glue.

WG 70gm Wax Glue **£3.20**

Plastic Additive

A good strengthener for water candles and ice candles. For casting use 1%, makes candles burn longer.

PAS 250gm Plastic Additive **£6.20**

Powdered Wax Dyes

25gm pack enough for 250Kg wax use sparingly

DP1 Red	£10.14	DP1 Yellow	£10.25
DP1 Orange	£10.30	DP2 Brown	£11.57
DP2 Green	£11.60	DP3 Blue	£14.87
DP3 Violet	£15.47	DP4 Pink	£18.13
DP4 Black	£16.20	DP5 White	£9.75

Pigments

For overdipping only. 50gm for 2.5Kg

CF3 50gm Bag **£12.48**

Colours. Red, Blue, Violet, Green and Yellow.

Candle Making

Dye Discs

DD 30g enough for 2kg **£1.50**
Available.
Red-Yellow-Orange-Brown-Green-Christmas
Green-Blue-Violet-Pink-Black-Pearly White.

Super Discs for Fruit Candles

FDD 30g enough for 2kg **£2.53**
Contain both colour and dual purpose additive
which will increase the density - longer burning
- and gives the fruit a realistic appearance.
Available.
Apple-Pear-Orange-Lemon-Pepper-Tomato-
pineapple-Grapes (Green or Black)

Wicks

Test and try before making a batch. If a squat
candle i.e. PM5, 6 or 8, a 38mm wick gives a
good hollow burning result. Otherwise the wick
should be chosen to suit the diameter of the
candle, if in doubt go down a size.

WKH1 6mtr of 12.5mm - 25mm **£1.50**
WKH2 6mtr of 38mm - 50mm **£1.64**
WKH3 6mtr of 64mm - 75mm **£1.69**
WKH4 2mtr of 100mm **£1.76**
WKR 115g rolls **£10.90**

Rolls available. 12.5-25-38-50-64-75-100 Please
choose wick sizes when ordering.

Night Lamp Wicks

Specially for the use in container candles. Burns
slowly in area approx. 50mm.

NLW Night Wick 6mtr hank **£1.50**

Container Wick

Paper core wick for any candles poured and left
in its container, eg. glass, pottery etc.

CPSs Small up to 50mm per 914mm **£1.09**

CMPS Medium 50 - 100mm per 914mm **£1.10**

Floating Candle Wick

FCW 1 mtr **£0.75**

FCW10 10 mtr **£6.75**

Wick Sustainers

Generally used to anchor the wick in glass
containers. Useful for hand moulded candles
dipped or pinched. Use paper or metal core
wick.

WKS Sustainers pk 10 **£1.03**

WKM Sustainers pk 100 **£7.72**

Perfumes

15ml bottle sufficient for 4kg wax. Add to the
correct temperature wax and stir before pouring.
Please state type required.

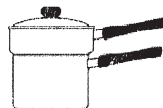
PF1 Grape £6.22	PF1 Pepper £6.24
PF1 Strawberry £6.25	PF1 Tomato £6.26
PF2 Banana £5.72	PF2 Cinnamon £5.73
PF2 Pear £5.75	PF2 Pineapple £5.76
PF2 Chocolate £5.69	PF3 Jasmine £4.97
PF3 Apple £4.92	PF3 Lemon £4.93
PF3 Pine £4.94	PF3 Orange £4.95
PF3 Lavender £4.95	



Pouring Jugs

Useful for producing a controllable flow of wax
without turbulence.

JS ½ ltr £11.92	JM 1 ltr £15.50
JL 2 ltr £19.49	JXL 2.5 ltr £27.89



Double Boiler

Small aluminium double boiler with a capacity
of 1.5 litres and ideal for quantities up to 1kg.

DB Double Boiler **£25.72**

Flexible Mould Stands

Almost essential when using flexible moulds.

MSTs Small 150 x 65mm to
hold Flower & Fruit. **£3.64**

MSTm Medium 250 x 75mm to
hold Floral & Bouquet. **£4.95**

MSTL Large 400 x 88mm to hold
Lovers & Acorn. **£6.59**

Wicking Needles

Any attempt to push the wick through by any
other means usually results in a tear in the peak
of the mould which is the weakest point. Be sure
to use the same hole each time.

CMNt 100mm £1.13	CMNs 150mm £1.45
CMNm 200mm £1.76	

Thermometer

TH2 Brass backed thermometer **£23.21**
Reads up to 350F 180C alcohol filled easy read.

Candle Making

Burco Boilers & Dipping Cans

BB Baby Burco

£326.78

For use with the DCXL and DCM as a large double boiler. Thermostatically controlled to 200F-93C.

BBC Baby Burco Complete

£445.20

For the serious candle maker or for schools & groups. Consists of Burco, 3 holed ring and 3 medium dipping cans (3kg capacity each). This means that 3 colours can be melted at the same time, making dipping easier and very much safer as the temperature is thermostatically controlled.

BBL Baby Burco Basic Kit

£384.06

As above, for schools groups but consists of Burco plus extra large dipping can. This means a large quantity of wax, (16kg), can be kept at a constant temperature, whilst small quantities can be ladled into a saucepan or dipping can where colour and stearin can be added.

BBR Three Holed Ring

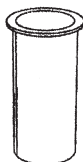
£19.59

To fit top of Baby Burco when using 3 medium dipping cans.

Dipping Cans

Flanged containers for use with Baby Burco.

Dcs	95 x 228mm	£44.00
Dcm	135 x 300mm	£46.00
DCXL	300 x 330mm	£89.00



Mould Making Materials

Plaster of Paris

Top quality plaster for extreme strength and reproduction detail.

PPw White 2.5Kg **£6.90**

Mould Seal

Reusable sealer for the base of rigid moulds. Wax wick before using.

Wts 55gm **£2.14**

Rigid Plastic Moulds

The best value in candle moulds. Do not pour above 180C-82C unless used for special effects where the temperature is rapidly cooled. Pouring at higher temperatures is at your own risk as the moulds may melt or crack. Do not use perfumes. Clean with methylated spirits.

PM1	Square 50x50x64mm	£5.94
PM2	Cylindrical 114x60mm	£5.95
PM3	Cone & Base 125x65mm	£5.98
PM4	5 Pointed Star 114x114mm	£7.42
PM5	Cylindrical 75x95mm	£5.94
PM6	Polygon 80x80mm	£8.34
PM7	Egg Shape 64x45mm	£8.34
PM8	Spherical 75mm Dia	£10.74
PM9	Hexagonal 150x50mm	£12.25
PM10	Cylindrical 225x50mm	£14.40



PM1



PM2



PM3



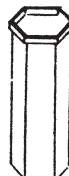
PM4



PM5



PM6



PM9



PM10



PM7



PM8

Metal Matt Black Candle Holders

MCHt	67mm Dia	£3.33
MCHs	81mm Dia	£3.56
MCHm	95mm Dia	£3.86
MCHL	114mm Dia	£4.33



Candle Making

Flexible Rubber Moulds

Fruit & Flower

25mm wick suggested. Perfumed dye discs give a realistic fruit effect.

RF1	Apple	68mm Dia	£5.88
RF2	Pear	75 x 75mm	£5.89
RF3	Orange	75mm Dia	£5.90
RF4	Lemon	75 x 64mm	£5.70
RF5	Pepper	88 x 68mm	£5.72
RF6	Tomato	64mm Dia	£5.76
RF7	Pineapple	156 x 106mm	£9.99
RF8	Grapes	125mm long	£5.22
RM12	Rosebud	68 x 68mm	£5.81
RM28	Chrysanthemum	64 x 45mm	£5.85
RM29	Tulip	45 x 64mm	£5.86
RM30	Hydrangea	64 x 56mm	£5.87
RM31	Carnation	75 x 50mm	£5.88
RM33	Delphinium	125 x 38mm	£5.89
RM34	Lupin	125 x 38mm	£5.90
RM35	Rhododendron	64 x 64mm	£5.91



RF1



RF2



RF3



RF4



RF5



RF6



RF7



RF8



RM12



RM28



RM29



RM30



RM31



RM33



RM34



RM35

Moulds For Special Occasions

Assorted Novelties

RM24	Birthday	175 x 65mm	£9.43
RM27	Christmas Tree	125 x 68mm	£7.31
RM36	Snowman	88 x 64mm	£7.26
RM37	Santa & Sack	75 x 88mm	£7.23
RM43	Santa in Chimney	125 x 50mm	£9.43
RM44	Christmas Pud	75mm Dia	£9.38
RM45	Eleven pt Star	75mm pt-pt	£9.59
RM46	Tall Snowman	165 x 56mm	£8.85
RMB	Father Christmas	125 x 82mm	£9.99
AHF	Frog	80mm Dia	£8.27
AHO	Owl	80mm Dia	£8.32
AHC	Cat	80mm Dia	£8.37



RM24



RM36

RM27



RM37



RM43



RM44



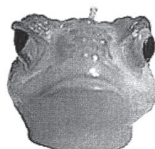
RM45



RM46



RMB



AHF



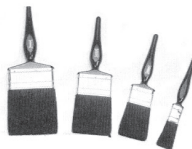
AHO



AHC

These moulds give best results using the pour in/pour out method.

Brushes



Paint Brushes

Sizes	½"	1"	1½"	2"	2½"	3"	4"
DIY							
Price each	£0.50	£0.53	£0.64	£0.69	£0.77	£1.31	£1.90
Price per 12	£5.70	£6.04	£7.30	£7.87	£8.78	£14.93	£21.66
Prostyle 'A' Quality							
Price each	£0.57	£0.83	£0.95	£1.43	-	£2.86	£4.03
Price per 12	£6.50	£9.46	£10.83	£16.30	-	£32.60	£45.94

Bench Brushes



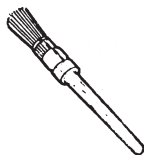
	Price	
	each	per 10
7" Fibre (Woodwork)	£1.23	£11.69
7" Bassine (Metalwork)	£1.26	£11.97

Wire Scratch Brushes

	Price each
2 Row	£0.84
3 Row	£0.94
4 Row	£1.05



Glue Brushes



	Size	Price each
No 4	1/4"	£2.05
No 8	1/2"	£2.29
No 10	5/8"	£2.61
No 12	3/4"	£2.92
No 16	1"	£3.70
No 20	1 1/4"	£4.78

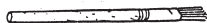
Fitch Brushes

Please Specify: Flat or Round



Size	WHITE Price		BLACK Price	
	each	per 10	each	per 10
No 2	£0.38	£3.61	£0.39	£3.71
No 4	£0.41	£3.90	£0.43	£4.09
No 6	£0.46	£4.37	£0.50	£4.75
No 8	£0.56	£5.32	£0.60	£5.70
No 10	£0.72	£6.84	£0.76	£7.22
No 12	£0.93	£8.84	£0.96	£9.12

Spirit or Enamel Brush



	Price		
	each	per 10	per 100
SS9/2	£0.24	£2.28	£20.40

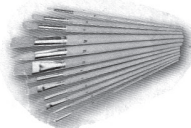
Artist Brushes (Pencil)

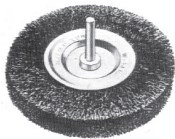


	Price each										
	1	2	3	4	5	6	7	8	9	10	12
Soft Hair	£0.52	£0.57	£0.65	£0.69	£0.77	£0.84	£0.97	£1.17	£1.40	£1.56	£2.12
	00	0	1	2	3	4	5	6	7		
Pure Sable	£0.86	£0.89	£0.95	£1.04	£1.31	£2.13	£2.85	£3.64	£5.46		

Special Offers

Soft Hair Artists	Set of 12 (1 each sizes 1-12)	£3.89
Round Fitch White	Set of 12 (1 each sizes 1-12)	£4.05
Flat Fitch White	Set of 12 (1 each sizes 1-12)	£4.10





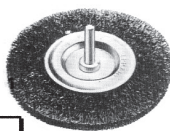
Wire Brushes

Steel Wire Wheel Brushes

Extra Wide, Shank 6mm diameter.

Wire Gauge 0.3. Max Safe Speed 15,000rpm.

Code	Size	Price
2101	50mm x 20mm	£8.85
2103	70mm x 20mm	£7.55



Wire Wheel Brushes

Shank 6mm Diameter. Max Safe Speed 1200rpm.

Code	Diameter	Price
2100	75mm	£2.78
2102	100mm	£3.83



Brass Wire Brushes

With 6mm shank. For all kinds of fine grinding and polishing work.

Max Safe Speed 1200rpm.

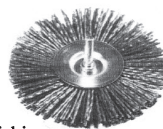
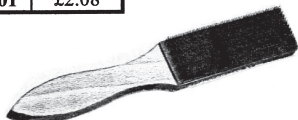
Code	Diameter	Description	Price
2110	75mm	Wheel Brush	£4.49
2112	50mm	Cup Brush	£4.42
2113	50mm	Wire Wheel	£2.90
2115	25mm	End Brush	£1.62



File Cleaning Brush

Hand file cleaning brush. The file card is glued to the wooden body.

Code	Price
LES037201	£2.08



Nylon Brushes

For Wood, Metal, Stone.

For cleaning, derusting, polishing.

Many times the life of wire brushes.

Shaft 6mm diameter. Max Safe Speed 1200rpm.

Code	Diameter	Description	Price
1502	75mm	Nylon Wheel Brushes	£6.20
1506	50mm	Nylon Cup Brushes	£6.14

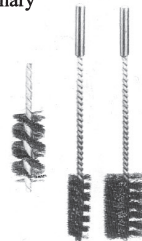


Special Wire Brushes

For applications inaccessible for ordinary brushes. Clockwise direction only.

Max Safe Speed 1200rpm.

Code	Size	Price
2104	28 x 60 x 90mm	£3.74
2127	20 x 55 x 200mm	£3.97
2128	38 x 55 x 200mm	£3.97



Wire End Brush

Max Safe Speed 4500rpm.

Code	Size	Price
2126	25mm	£3.19



Set of Mini Wire Brushes

10-25mm diameter. Shank 2.3mm Ideal for use in flexible shaft for very fine work.

Max Safe Speed 1200rpm.

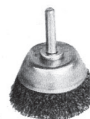
Code	Price
2114	£5.90



Wire Cup Brushes

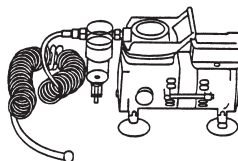
Shank 6mm diameter. Max Safe Speed 1200rpm

Code	Diameter	Price
2106	50mm	£3.21
2108	75mm	£3.55

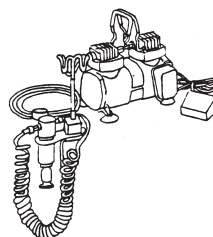


Airbrush / Compressors

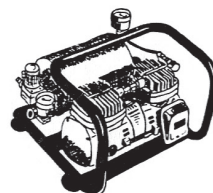
Part No.	Description	Price
12025	Aerosol propellant 750ml.	£8.95
12026	AC100 'Gold' Single Airbrush Piston Compressor, 0.75CFM Manual operation.	£191.25



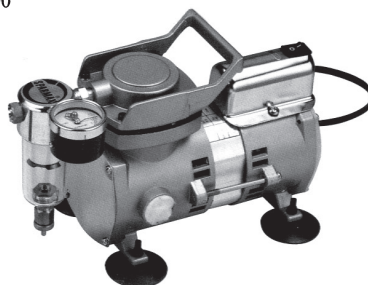
12028	TC2000 'Gold' Pro Compressor, Twin Cylinder, 1.2CFM, with foot switch and double Airbrush stand.	£259.25
--------------	--	---------



12301	TC5000 Compressor. Twin Cylinder, 1.2CFM, 2.5ltr Air Tank, fully automatic (two air outlets).	£390.20
--------------	---	---------



12064	Airbrush Kit AC100 compressor designed for single airbrush use. Quiet running. Delivers over 15 litres of air per minute at up to 60psi. It is fitted with an on/off switch, moisture filter, pressure regulator, pressure gauge and coiled airline hose extending to 3 metres. 12035 double action airbrush 0.2mm Nozzle, 2ml capacity. A set of 12 bottles of ink, cleaning fluid and dilutant.	£272.00
--------------	---	---------



Air Brush Sets

Model 250

Single action. External mix. Bottom feed.

This gun is perfect for jobs requiring large overall coverage with medium to heavy viscosity materials. The spray pattern can be adjusted for 3/4" (19mm) to 2" (76mm) simply by turning the paint tip. Uses 3/4oz (22ml) or 2oz (60ml) jars.



Code	Description	Price
5542160	250-2 set contains spray gun with attached jar, propel regulator and vinyl air hose on blister card.	£28.99
5542170	250-4 set contains mini spray gun with attached 4oz (120ml) jar. Propel regulator, vinyl air hose and propel can.	£49.98

Model 350

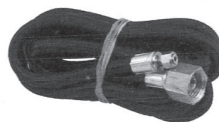
Single action. External mix. Bottom feed. Easy to operate and maintain. The term 'external mix' refers to the manner in which the air and paint come together outside the tip of the air-brush. This method causes the spray to be a larger dot than the internal mix air-brushes. Excellent for stippling and spraying larger areas.



5542184	350-3 6mm-50mm Spray pattern. Medium nozzle air-brush with attachable 3/4oz (22ml) jar, vinyl air hose, propel regulator and wrench for head.	£54.99
---------	---	--------

Spares

Code	Description	Price each
5543210	Fine needle (150)	£5.02
5543215	Medium needle (150)	£5.02
5543070	Fine needle (200)	£5.72
5543075	Medium needle (200)	£5.72
5542450	3/4oz (22ml) Jar with lid	£0.65
5542460	2oz (60ml) Jar with lid	£2.00
5542330	Braided Air Hose 3mtr/6ft female 1/4"	£18.50



Further spares available on request.

Airbrush Inks

Magic Colour Airbrush Colourant

A multi-purpose water-based liquid acrylic colourant ideal for use with brushes, airbrushes, technical pens etc. All colours are fully intermixable, providing the artist with a limitless palette of colours.

Price per 28ml size: £3.45

Code	Description	Code	Description	Code	Description
RS006182	500 Cobalt Blue	RS006336	770 Rust	RS006259	400 Delta Violet
RS006196	300 Gamma Green	RS007162	720 Sepia Brown	RS006273	340 Chiffon Green
RS006350	120 Process Yellow	RS006364	27 Royal Blue*	RS006287	390 Grecian Olive
RS007169	920 Warm Grey	RS006378	630 Flesh	RS006301	18 French Lilac*
RS006328	510 Aqua Blue	RS006189	600 Solar Scarlet	RS006329	730 Golden Sand
RS006252	200 Omega Orange	RS006203	700 Earth Brown	RS006343	24 Mink Grey*
RS006266	310 Asian Lime	RS006217	100 Astral Yellow	RS006357	530 Process Cyan
RS006280	360 French Chartreuse	RS006231	610 Mars Red	RS006210	800 Lunar White
RS006371	620 Process Magenta	RS006308	520 Lagoon Blue	RS006214	900 Quasar Black

Opaque Range of Colours

RS007127	34 Opaque Blue*	RS007120	33 Opaque Green*	RS007155	38 Opaque Brown*
RS007148	37 Opaque Magenta*				

Price per 250ml size: £11.75

Code	Description	Code	Description	Code	Description
RS038101	Cobalt Blue	RS038122	Lunar White	RS038164	Process Magenta
RS038115	Gamma Green	RS038136	Lagoon Blue		
RS038171	Opaque Blue*	RS038150	Process Cyan		

Cleaning Fluid

Code	Description	Price per 28ml	Price per 250ml
RS006630	Magic Colour Cleaning Fluid	£1.99	£5.55

Dilutant Lacquer

Code	Description	Price per 28ml
RS006644	Magic Colour Dilutant Lacquer	£2.35

* denotes only available while stocks last.



Mini Hydraulics

Syringes

Size	Price			
	per 10	per 40	per 50	per 100
2ml	£1.00	-	-	£8.80
5ml	£1.72	-	-	£15.14
10ml	£2.16	-	-	£19.01
20ml	£3.21	-	£14.12	-
30ml	£9.70	£34.14	-	-
50ml	£12.89	-	-	-

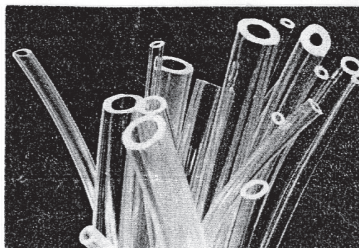


121VN Tube will fit all above syringes.

Tubing

Ark-plas natural Vinyl Tubing is plasticised from non-toxic flexible PVC as stated by our suppliers. This tubing offers a wide range of chemical resistance which makes it an ideal choice for a wide variety of industrial piping problems involving the handling of corrosive, pure or sensitive solutions. This tubing will provide the user with a long trouble-free service life. This tubing will not offer the kink resistance or strength of polyurethane tubing.

Code	Inside Ø	Outside Ø	Wall thickness	Price per 100ft
061 VN	1/16	1/8	1/32	£9.28
062 VN	1/16	1/4	3/32	£20.14
121 VN	1/8	3/16	1/32	£13.96
122 VN	1/8	1/4	1/16	£17.05
182 VN	3/16	5/16	1/16	£24.04
252 VN	1/4	3/8	1/16	£29.18
371 VN	3/8	1/2	1/16	£49.79



Other Sizes Available On Request

Hose Clips

Code	Adjustment	Price each
000	3/8"-1/2"	£0.51
M00	1/2"-5/8"	£0.52
00	1/2"-3/4"	£0.53
0	5/8"-7/8"	£0.59
0X	3/4"-1"	£0.60
1A	7/8"-1.1/8"	£0.64
1	1"-1.3/8"	£0.67
1X	1.1/8"-1.5/8"	£0.70
2A	1.3/8"-2"	£0.74
2	1.5/8"-2.1/8"	£0.77
2X	1.3/4"-2.3/8"	£0.81
3	2.1/8"-2.3/4"	£0.88

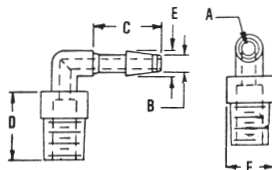


Mini Hydraulics - Individual Fittings

Nylon Fittings - No special tools or ferrules are required. Sharp barb makes a leak-proof seal.

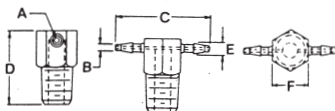
Miniature 90° Barbed Fittings

Code	Tubing	Thread	Price	
			per 10	per 100
081227KM12N	1/8ID	1/8-27 NPT	£2.69	£22.49
081227KM18N	3/16ID	1/8-27 NPT	£2.86	£23.93
081227KM25N	1/4ID	1/8-27 NPT	£2.99	£25.05



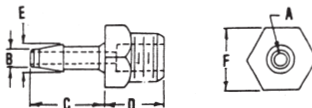
Miniature Branch Tees

Code	Tubing	Thread	Price	
			per 10	per 100
0512TBR032N	1/8ID	10-32 UNF	£1.80	£15.28
0506TBR22TN	1/16ID	1/8-27 NBT	£2.11	£16.73
0525TBR22TN	1/4ID	1/8-27 NPT	£2.13	£17.72



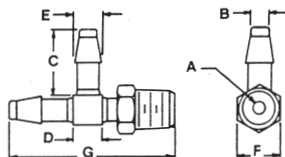
Miniature Barbed Fittings

Code	Tubing	Thread	Price	
			per 10	per 100
011227FB06N	1/16ID	1/8-27 NPT	£1.60	£13.48
011227FA12N	1/8ID	1/8-27 NPT	£1.60	£13.48
011227FA18N	3/16ID	1/8-27 NPT	£1.70	£14.25
011227FA25N	1/4ID	1/8-27 NPT	£1.70	£14.25



Miniature Branch Elbow

Code	Tubing	Thread	Price	
			per 10	per 100
0618EBR227N	3/16ID	1/8-27 NPT	£5.49	£45.75



Taps

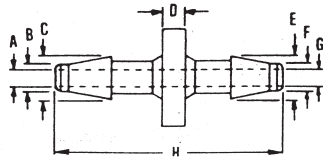
	Thread	Taper Price each	Plug Price each
Taps for use with these fittings	10-32 UNF	£5.45	£5.14
	1/8-27 NPT	£8.93	£8.93



Mini Hydraulics - Individual Fittings

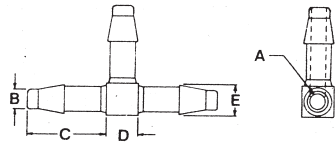
Miniature Barbed Connectors

Code	Tubing	Price	
		per 10	per 100
0206CA06N	1/16ID to 1/16ID	£1.37	£11.58
0212CA12N	1/8ID to 1/8ID	£1.64	£12.92
0206CA12N	1/16ID to 1/8ID	£1.47	£12.17
0225CA25N	1/4ID to 1/4ID	£1.70	£14.21
0237CA25N	3/8ID to 1/4ID	£1.90	£15.77
0237CA37N	3/8ID to 3/8ID	£1.80	£15.08



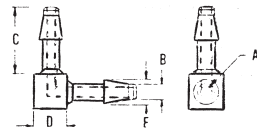
Miniature Barbed Tees

Code	Tubing	Price	
		per 10	per 100
0406TBEN	1/16ID	£1.64	£13.84
0412TEEN	1/8ID	£1.74	£14.41
0418TBEN	3/16ID	£2.16	£18.01
0425TEEN	1/4ID	£2.42	£20.26
0437TEEN	3/8ID	£2.74	£23.04



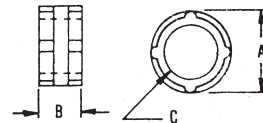
Barbed Elbows

Code	Tubing	Price	
		per 10	per 100
0906ELBN	1/16ID	£1.64	£13.84
0912ELBN	1/8ID	£1.74	£14.41
0919ELBN	3/16ID	£2.16	£18.01
0925ELBN	1/4ID	£2.42	£20.26
0937ELBN	3/8ID	£2.74	£23.04



Locking Sleeves

Code	Tubing	Price	
		per 10	per 100
OILS0125N	1/8OD	£0.53	£4.48
OILS0187N	3/16OD	£0.59	£5.59
OILS0250N	1/4OD	£0.72	£6.31
OILS0375N	3/8OD	£1.05	£9.80



Locking Sleeves enable barbed fittings to be used up to 100% of the rated burst pressure of the flexible plastic tubing. To use, simply slide sleeve over tubing, insert miniature barbed fitting into tubing, slide back over barb, locking soft tubing onto barb.

K & M Wheels

Wheels Plastic High Impact

No Hole, drill impression only;

Drill to your own size.

7 Colours - 7 Sizes

Black - White - Red - Yellow

Green - Blue - Orange

Dia	Price		
	each	per 10	per 100
20mm	£0.16	£1.46	£13.60
30mm	£0.18	£1.65	£15.95
40mm	£0.30	£2.72	£24.20
50mm	£0.35	£3.11	£27.65
60mm	£0.53	£4.76	£42.34
80mm	£0.61	£5.44	£48.38
100mm	£0.76	£6.81	£60.48

Tyred Plastic High Impact

Black Only

Tyred Plastic High Impact

4mm Hole Bossed

Dia	Price		Spare Tyres	
	each	per 10	per 100	per 10
30mm	£0.58	£5.54	£52.44	£1.66
40mm	£0.66	£6.26	£59.29	£1.83
50mm	£0.70	£6.67	£63.18	£1.93
60mm	£0.80	£7.59	£71.93	£1.95
80mm	£1.08	£10.26	£97.20	£2.59
100mm	£1.26	£12.01	£113.73	£2.73

Push on Fixes

For Plain Round Studs (Round Type)

Code	Stud	Price per 100
LS 403/16	3/32"	£2.88
LS 403/10	1/8"	£3.02
LS 403/17	3/16"	£3.65
LS 403/12	1/4"	£4.05
LS 403/15	3.0mm	£4.14
LS 403/19	4.0mm	£4.19
LS 403/35	6.0mm	£4.24
LS 403/39	8.0mm	£4.35



Capped Starlock

Push On Fastener - Capped

Code	For Axle	Price per 100
KSM18	1/8"	£5.39
KSM36	3/16"	£6.37
KSM14	1/4"	£7.75
KSM 3	3mm	£5.44
KSM 4	4mm	£6.53
KSM 5	5mm	£6.92
KSM 6	6mm	£7.57
KSM 8	8mm	£12.62



Steel Shaft (Axle Wire)

This may easily be cut down to the required length with a hacksaw. 2mm diameter. Supplied in lengths of 100mm.

Code	Price per Pack 50
SS37-0350	£0.95

This may easily be cut down to required length with a hacksaw. 4mm diameter. Supplied in lengths of 500mm.

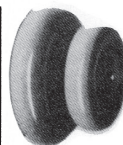
Code	Price per 10
SS37-0400	£2.31



Turned Wood

4mm Drilled Hole

Wood	Dia	Price	
		per 10	per 100
Birch	38mm	£1.56	£14.04
Birch	50mm	£2.37	£21.33
MDF	38mm	£0.78	£7.02
MDF	50mm	£0.89	£8.01



Axle Block

Available in two sizes 2mm & 4mm.

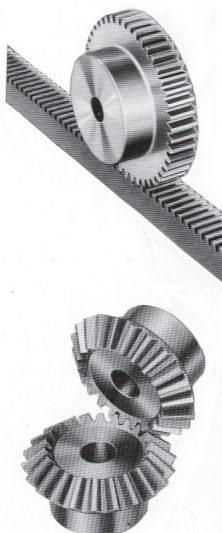
Solves the problem of wheel alignment, can be glued, pinned or screwed to the body of the vehicle.

Code	Size	Price per 100
AB2000	2mm	£9.59
AB4000	4mm	£9.65



Plastic Gears

Spur Gears



Module 0.5			
Code	Dia	Teeth	Price each
119-005-015	8	15	£0.94
119-005-020	10	20	£0.97
119-005-025	13	25	£1.14
119-005-030	15	30	£1.48
119-005-040	20	40	£1.74
119-005-050	25	50	£2.71
119-005-060	30	60	£2.99
119-005-120	60	120	£5.44

Module 1.0		Price each
119-010-015	15	£4.81
119-010-020	20	£5.26
119-010-025	25	£5.78
119-010-030	30	£5.94
119-010-040	40	£6.84
119-010-050	50	£8.47
119-010-060	60	£10.31

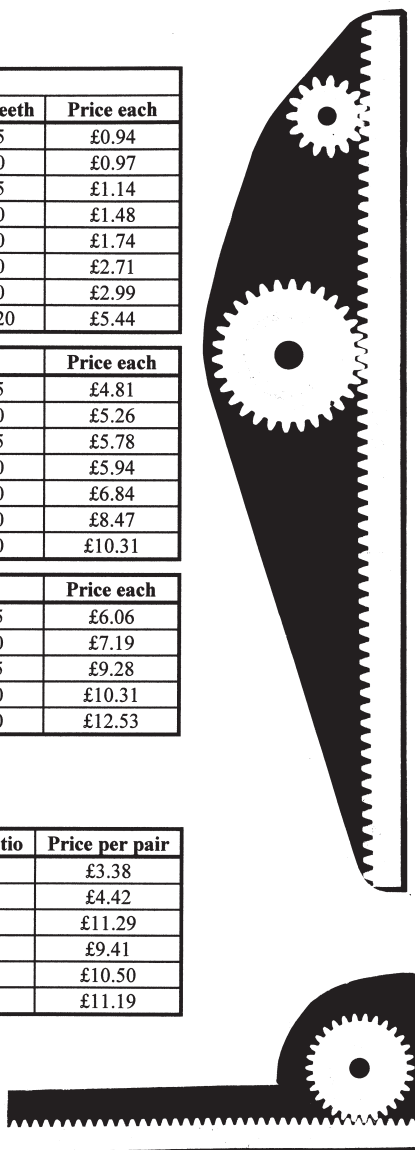
Module 1.5		Price each
119-015-015	25	£6.06
119-015-020	33	£7.19
119-015-025	40	£9.28
119-015-030	48	£10.31
119-015-040	63	£12.53

Bevel Gears

Code	Module	0	Teeth	Ratio	Price per pair
159-105-016/016	0.5	8	16	1-1	£3.38
159-110-016/016	1.0	16	16	1-1	£4.42
159-110-030/030	1.0	30	30	1-1	£11.29
159-310-015/030	1.0	15/30	16/32	2-1	£9.41
159-510-015/045	1.0	15/45	16/48	3-1	£10.50
159-710-010/040	1.0	10/40	10/40	4-1	£11.19

Racks

Code	Module	Length	Price each
149-005-025	0.5	250	£5.53
149-010-025	1.0	250	£9.36
149-015-025	1.5	250	£12.34



Pulleys / Gears

Sprockets

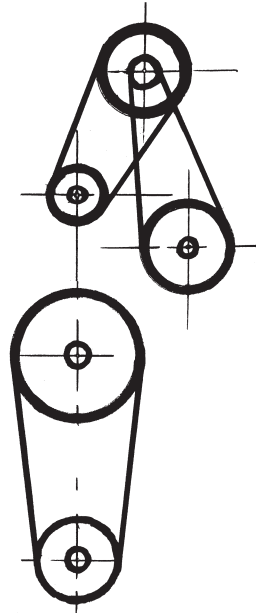


Code	0	Teeth	Price each
209-061-013	36	13	£4.89
209-061-015	40	15	£3.69
209-061-019	52	19	£4.99
209-061-021	57	21	£6.21
209-061-025	67	25	£6.52

Chains - Steel - Complete Jointed

Code	Links	Length	Price each
300-061-000	30	180mm	£10.94
300-061-001	36	216mm	£11.60

Chain Lengths - Not Jointed		
Code		Price per metre
300-061-002	Not Jointed	£25.98
		Price each
300-061-003	Links Only	£4.41



Ball Bearings - Prices per 100

3/32"	1/8"	5/32"	3/16"	1/4"	9/32"	5/16"
£0.73	£0.86	£0.95	£1.28	£2.24	£2.87	£4.97
11/32"	3/8"	7/16"	1/2"	5/8"	3/4"	1"
£5.92	£7.79	£8.24	£11.07	£18.10	£38.36	£52.21

Pulleys

Plastic High Impact (4mm hole)

0	Price		
	each	per 10	per 100
30mm	£0.39	£3.63	£33.32
40mm	£0.41	£3.83	£35.24
50mm	£0.47	£4.04	£37.13
60mm	£0.57	£5.29	£48.55
80mm	£0.75	£6.95	£63.78
100mm	£0.93	£8.61	£79.02

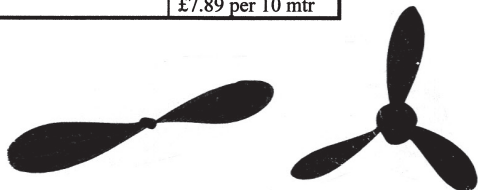
Pulley Belts - 3/16" Diameter

Code	Length	Price per 10
1360	470 mm long	£5.09
1355	420 mm long	£4.73
1352	390 mm long	£4.02
1350	350 mm long	£3.78
1344	310 mm long	£3.37
1341	280 mm long	£3.03

Belt Material:	£0.83 per metre
	£7.89 per 10 mtr

Propellers

Type	Price		
	each	per 10	per 100
¼ Boat	£0.29	£2.83	£26.10
6" 2 Blade	£0.65	£6.37	£61.75
12" 2 Blade	£0.75	£7.31	£67.50
100mm 3 Blade flexi	£0.25	£2.44	£22.50
5" 3 Blade	£0.49	£4.80	£46.55



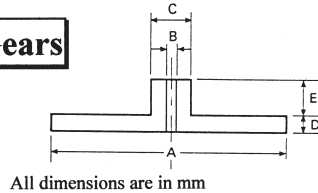
¾" Boat Propellers - Complete with Sleeve



Pulleys / Gears

Miniature Gears

A range of miniature gears for use with our motors.
Bore size in all cases is 1.9mm which ensures correct
tight fit for 2mm diameter shaft.
Supplied in Packs of 50



No Teeth Outer Dia	No Teeth Inner Dia	A	B	C	D	E	Code	Price per pack
16	-	9.0	1.9	-	5.0	-	MG37-0200	£3.99
30	-	16.0	1.9	6.0	1.5	1.5	MG37-0205	£4.99
42	-	22.0	1.9	6.0	1.5	2.5	MG37-0210	£4.99
60	-	31.0	1.9	6.0	1.5	1.5	MG37-0215	£4.99
30	10	16.0	1.9	5.5	1.5	2.5	MG37-0220	£4.99
42	10	22.0	1.9	5.5	1.5	2.5	MG37-0225	£5.99

Miniature Worm Gears

A range of Miniature Worm
Gears for use with our Motors.
Bore size in all cases is 1.9mm
which ensures correct tight fit for
2mm diameter shaft.

Supplied in Packs of 50			
Length	Dia	Code	Price per Pack
6	6	MW37-0300	£1.45
10	6	MW37-0305	£1.45

Steel Shaft (Axle Wire)

Steel Shaft for use with the above Gears.
This may easily be cut down to the required
length with a hacksaw. 2mm diameter.
Supplied in lengths of 100mm.

Supplied in Packs of 50		
	Code	Price per Pack
Steel Shaft	SS37-0350	£0.95

Miniature Pulleys

	Code	Price		
		each	per 10	per 100
10mm dia Push Fit - 2mm Centre Hole	MP10-0100	£0.20	£1.90	£18.00
12mm dia Push Fit - 2mm Centre Hole	MP10-0120	£0.21	£2.00	£18.90
12mm dia Push Fit - 4mm Centre Hole	MP10-0130	£0.21	£2.00	£18.90
15mm dia Push Fit - 4mm Centre Hole	MP10-0150	£0.27	£2.57	£24.30
20mm dia Push Fit - 4mm Centre Hole	MP10-0200	£0.31	£2.95	£27.90
25mm dia Push Fit - 4mm Centre Hole	MP10-0250	£0.33	£3.14	£29.70
30mm dia Push Fit - 4mm Centre Hole	MP10-0300	£0.35	£3.33	£31.50
Set of 1 each of above + 6 Pulley Bands	MP10-0500	£1.77	£16.82	-

Pulley Bands (For above Pulleys)

Type		Code	Price	
			per 10	per 100
Small	Total length 100mm	PB10-0300	£0.17	£0.65
Medium	Total length 150mm	PB10-0320	£0.22	£0.84
Large	Total length 200mm	PB10-0340	£0.27	£1.03

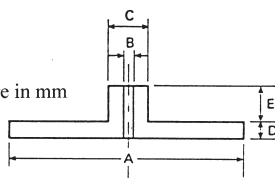
For Axle Wire see Mini Gears & Minor Gears

Gears / Propellers

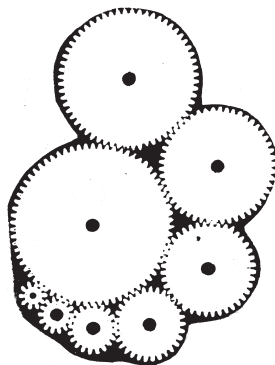
Minor Gears / Racks

A range of minor gears for use in education.
Bore size push fit on 2mm diameter or 4mm
Shaft as stated.

All dimensions are in mm



No Teeth	A	B	C	D	E	Code	Price	
							each	per 10
10	7.7	2	-	6	-	MG10-0100	£0.11	£1.02
14	9	4	6	3	5	MG10-0140	£0.17	£1.57
20	14	4	6	3	5	MG10-0200	£0.23	£2.13
30	20	4	6	3	5	MG10-0300	£0.34	£3.15
40	27	4	6	3	5	MG10-0400	£0.46	£4.26
50	33	4	6	3	5	MG10-0500	£0.52	£4.81
60	40	4	6	3	5	MG10-0600	£0.64	£5.92
70	46	4	6	3	5	MG10-0700	£0.70	£6.48



Racks (for above Gears)

125mm long Interlocking	MG10-0800	£0.81	£7.49
SPECIAL PACK - 1 of each size Gear + 2 Racks	MG10-1000	£4.12	£38.11



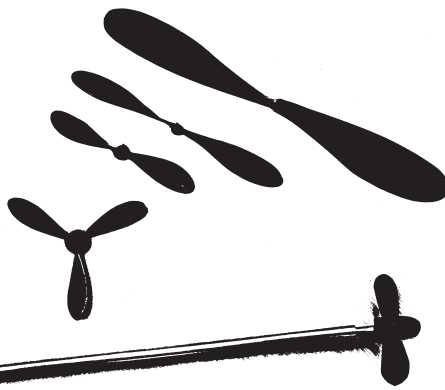
Steel Shaft (Axle Wire)

Steel Shaft for use with the above Gears.
This may easily be cut down to required
length with a hacksaw. 4mm diameter.
Supplied in lengths of 500mm.

Supplied in lengths of 500mm			
Code	Price		
	per 10	per 50	per 100
SS37-0400	£2.31	£10.40	£18.48

Propellers

Type	Price		
	each	per 10	per 100
¾ Boat	£0.29	£2.83	£26.10
6" 2 Blade	£0.65	£6.57	£61.75
12" 2 Blade	£0.75	£7.31	£67.50
100mm 3 Blade flexi	£0.25	£2.44	£22.50
5" 3 Blade	£0.49	£4.80	£46.55



Pyrography / Engraver

Prof. Engraver

7417070

£39.99 ea



This professional engraver has a continuously rated heavy duty motor for non-stop engraving. Commonly used for marking steel, aluminium and other metals for identification. The universal quick release chuck accepts the full range of engraving points available. Supplied in a kit with the following points included.

- A2. Extra fine solid carbide point for glass and steel.
- A4. Heavy duty carbide tip engraving point for hardened steel
- A5. Point for engraving soft metals and alloys
- A8. Abrasive point for frosting glass and smoothing.

Pyrography

D232 Pyrography Machine £95.39 ea

A light 25W iron with voltage/temperature regulator, especially designed for wood burning. Create attractive designs and different effects. The iron also gives good results on cork, leather and wood.

P234 Multipurpose Heat Tool £22.99 ea

This tool offers extreme flexibility when working in many areas of craft. A 230V/18W hand tool will heat up any tip which is screwed into the end. For use with P235 Pyrography Tips below.

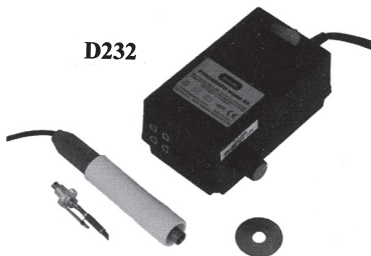
P235 Pyrography Tips £12.99 pk19

Selection of 10 branding tips and 9 drawing or shading tips for use with P234 Multipurpose heat tool. There are many unusual designs on the heads of the tips which create wonderful markings as well as the more traditional points for finer detail.

P237 Pyromaster £29.99 kit

The Pyromaster brings this ancient craft into the 21st century with its revolutionary precision control tips. The tool should be held like a pen for extra control and details. Heats up to temperature in about 5 minutes. Supplied with a stand, 10 branding tips, 9 different drawing/shading tips, a wooden keyring and a leather fridge magnet.

D232



P235



Glass and Plastics Decoration

Self Adhesive Strip Lead

A series of materials suitable for producing decorative designs on glass or Acrylic sheet. Skin packed with boning peg and instructions. 10 Metre Coils

Type	Width	Length	Price per Pack
Oval	3mm (1/8")	20mtr Twin Stranded	£8.46
Oval	6mm (1/4")	10mtr Single Stranded	£8.66
Oval	9mm (3/8")	10mtr Single Stranded	£10.37
Oval	12mm (1/2")	10mtr Single Stranded	£14.80
Flat	6mm (1/4")	10mtr Single Stranded	£8.58
Flat	9mm (3/8")	10mtr Single Stranded	£10.43
Flat	12mm (1/2")	10mtr Single Stranded	£14.55

Oval is recommended for the design interior. Flat for surround.

Have you tried this on Acrylic sheet
Fantastic on Mirror Acrylic

Self Adhesive Transparent Coloured Film

A specially designed film for applying on plain glass or plastic to produce the beauty and elegance of stained glass.

Colours Available: Dark Yellow - Light Yellow
 Dark Red - Light Red
 Dark Blue - Light Blue
 Dark Green - Light Green
 Brown - Violet

Sheet Size - 325mm x 350mm

Price per Sheet: £10.11

STARTER PACK containing one each of the ten colours £93.60

Transparent Lacquer

A series of transparent lacquers suitable for glass and plastics. Colours may be mixed.

250ml Pots - Colours Available: Black, White & Purple

250ml Pot Covers approx 3,840cm²

Clean brushes with cellulose thinners or an acrylic solvent.

**Price
per 250ml Pot**
£10.31
WSL

Accessories

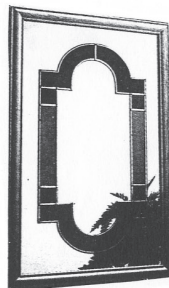
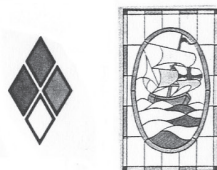
Book - The Art of Window Leading

Price each

£4.72

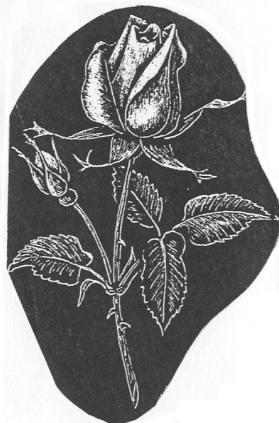
Boning Pegs

£0.78



Glass & Plastic Engraving

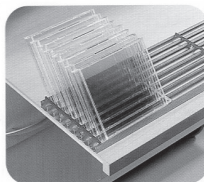
Code	Description	Price
GESL 01	Starter Kit containing; Instruction Manual, Point Holder, 3 Points, Black Felt and Two Pattern Sheets.	£14.28
GESL 04	Egg Dyeing and Engraving Kit containing; Instructions, 5 Assorted Dyes, Point Holder, 2 Points and Pattern Sheet	£7.75
GESL P3	Pattern Book containing; Flower Arrangements, Fruits and Berries, Pierrots, Stylised Animals	£5.15
GESL 07	Small Points for Contours	£3.45
GESL 08	Medium Point for Surface work	£3.45
GESL 12	Super-Fine Point for Shading	£3.45
GESL 16	Carborundum Point Polishing	£2.28
GESL 20	Glass Rubber	£3.26
GESL 30	Flame Shaped Point for Acrylics and Egg Engraving	£1.70
GESL 32	Ball Point Small for Acrylics and Egg Engraving	£1.70
GESL 38	5 Assorted Egg Dyes	£2.54
PH1	Point Holder	£3.03



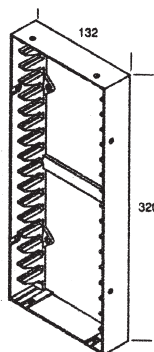
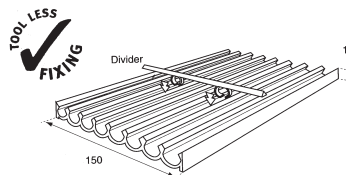
Media Storage

CD Flip Strip

Situate on flat shelves or in drawers to neatly store CDs with the front cover showing, making them easy to flip through. Storage density is varied depending on the length and number of strips used. Fix using adhesive tape.



Code	Size	Colour	Price
NR2094	1 x 2m	Black	£13.07
S1584 Divider	10 pieces	Black	£4.80



CD Frame

Back-Screw fix frame.

High density storage for CD's.

Holds up to 17.

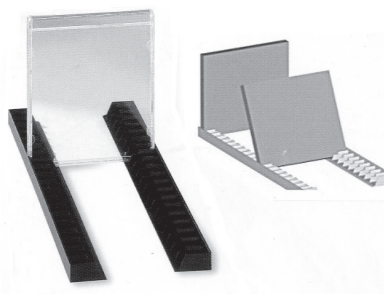
Frame with screw fixing allowing for bottom, back or side fixing..

Code	Size mm	Colour	Price Per 10
CD320	320 x 132	Black	£13.35

CD & DVD Flip Rack

A low cost solution for storing either 20 DVDs or 20 CDs on a flat surface. Fix in to position using screws or adhesive pads.

Code	Colour	Price per 10
XC-3023	Black	£6.05



WSL

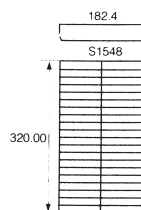
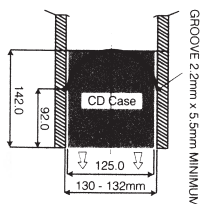
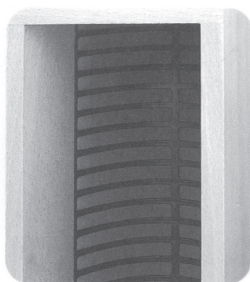


Media Storage

CD Stakka

Use to create vertical or horizontal CD storage. Each stakka holds 20 CDs and is supplied flat, simply squeeze in to a semi-circle to fit in to position and locate in to pre-routed grooves.

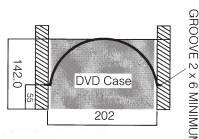
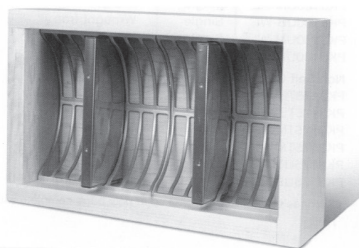
Code	Colour	Price each	Price per 10
S1548	Black	£1.15	£9.49



DVD Stakka

Use to create vertical or horizontal DVD storage. Each stakka holds 8 DVDs and is supplied in a pre-formed curve that can be easily flattened for flatpack applications. Simply squeeze in to position and locate in to pre-routed grooves.

Code	Colour	Price each	Price per 10
S1615	Black	£1.20	£9.99




















FLAT PACK



Lego Spares

WSL

2000601 1/2 Bush x 100 No Longer Available	2000602 £8.40 Cross Axle Bush x 100 	2000604 £8.40 Connector With Friction x 100 No Longer Available
2000605 £8.40 Connecting peg W Friction 3M x 100 	2000606 £8.40 Connecting peg Cross Axle x 100 	2000607 £8.40 Connecting Peg With Knob x 100 
2000608 £8.40 Connecting Bush x 100 	2000620 £8.40 Gear Wheel 8 T x 1 No Longer Available	2000622 £8.40 Gear Wheel 16 T x 1 No Longer Available
2000625 £8.40 Gear Wheel 24 T x 1 No Longer Available	2000627 £8.40 Gear Wheel 40 T x 3 No Longer Available	2000630 £8.40 Wedgebelt Wheel 11.2mm x 10 
2000631 £7.25 Brick 1 x 2 With x 6 No Longer Available	2000632 £7.25 Brick 1 x 2 x 60 	2000633 £7.25 Brick 1 x 4 x 6 No Longer Available
2000634 £7.25 Brick 1 x 6 x 50 	2000635 £7.25 Brick 1 x 8 x 20 	2000636 £7.25 Brick 1 x 10 x 20 
2000637 £7.25 Brick 1 x 12 x 10 	2000638 £7.25 Brick 1 x 16 x 10 	2000663 £7.40 Pneumatic Switch x 5 
2000645 £6.00 Small Chain links x 108 No Longer Available	9865 £16.30 4.5V Optosensor & Counting Disc 	9886 £3.49 Electric plates x 3 
9854 £5.25 Gear Rack & WormGear 	9936 £6.50 Weight Elements x 2 No Longer Available	7020 £3.49 Tyres x 20 
9943 £8.25 Cross axles x 50 No Longer Available	9868 £16.20 4.5V Plugholders 