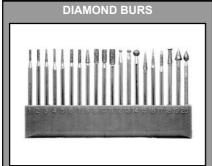
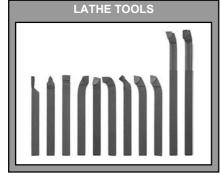
# DRILL BITS - BURRS - CUTTING DISCS











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### **HSS DRILL SETS**

HSS METRIC TWIST DRILL SETS in a convenient storage box for easy drill storage/selection. 6 sets are available. Also available an 8 piece and 16 piece set of Titanium coated HSS drills, sizes as per DS0040 and DS0045

		per become and become.						
DS0040		DS	DS11509					
0.5	0.9	0.3	0	.7				
0.6	1.0	0.4	0	.8				
0.7	1.5	0.5	0	.9				
8.0	2.0	0.6	1	.0				
DS11510		ns	DS0045					
00.	1010	20	00-0					
1.1	1.5	0.5		1.3	1.7			
			0.9					
1.1	1.5	0.5 0.6	0.9 1.0	1.3				
1.1 1.2	1.5 1.6	0.5 0.6	0.9 1.0 1.1	1.3 1.4 1.5	1.8			



CODE	TYPE	PRICE
DS0040	Metric Drill Set 8 Piece 0.5 - 2.0mm	£5.99
DS11509	Metric Drill Set 8 Piece 0.3 - 1.0mm	£5.99
DS11510	Metric Drill Set 8 Piece 1.1 - 1.8mm	£5.99
DS0045	Metric Drill Set 16 Piece 0.5mm - 2.0mm	£8.99
DSM530	Metric D/Set 8 P/c Titanium Coated 0.5 - 2.0mm.	£6.99
DSM532	Metric D/Set 16 P/c Titanium Coated .5 -2.0mm	£10.99

HSS METRIC TWIST DRILL SET in a convenient storage box for easy drill storage/selection.

The set includes:-

2.0, 2.5, 3.0,

3.5, and 4.0mm

T	1	1	1	1		
	1	1	ŀ	1	1	ŀ
		1	1			
all	10	CODE SS Spe T	115-05 wint Dr sines: 23 6-4,0 mm	III Set		

CODE	TYPE	PRICE
090-505	5 Piece HSS Drill Set 2.0 - 4.0mm	£4.50

20 PIECE MICROBOX HSS TWIST DRILL SETS supplied in an index box for easy drill selection. Number and Metric sizes. Also

available a set of Titanium coated metric HSS drills.

Metric set:- 0.3 to 1.6mm inc half sizes to 0.95mm, (Does not include 1.1mm). Number set:- 61-80 inc.



CODE	TYPE	PRICE
DSM050	Metric Drill Set 20 Piece	£8.99
DSN060	Number Drill Set 20 Piece	£8.99
DSM533	Metric D/Set 20 P/C Titanium Coated .3-1.6mm	£12.99

10 PIECE MICROBOX HSS TWIST DRILL SET a range of high quality HSS drills with 2.35mm shanks supplied in an index box for easy drill selection.

The set includes:-0.5, 0.6, 0.8, 1.0, 1.2, 1.3, 1.5, 1.8, 2.0 and 2.2mm.



CODE **TYPE PRICE** 091-405 10 Pc M/box Drill Set 2.35mm Shank 0.5-2.2mm. £9.99

**METRIC & NUMBER DRILLS** IN PACKS OF 10 DRILLS FOR £6.50 SAVE £2.50 BASED ON SINGLE PRICE **SEE PAGE 119** 

30 PIECE HSS DRILL BIT SET a selection of HSS drill bits to fit most Mini Rotary Tools. The set includes sizes: 0.5, 0.6, 0.8, 1.0, 1.2, 1.5, 1.8, 2.0, 2.35 and 3.0mm. Ideal for use on wood, plastics, and various metals.



DRAPER EXPERT 13 PIECE HSS DRILL SETS Expert Quality

HSS straight shank twist drills supplied in a plastic storage case, manufactured to DIN 338 and ISO235/1 Specifications. Available in metric or imperial.

Metric set contains:-1.5, 2.0, 2.5, 3.0, 3.2, 3.5, 4.0, 4.2, 4.5, 5.0, 5.5, 6.0 and 6.5mm. Imperial set contains:-1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64 and 1/4

CODE	TYPE	PRICE
79348	13 Piece HSS Drill Set Metric	£13.99
79354	13 Piece HSS Drill Set Imperial	£14.99

DRAPER EXPERT 25PC HSS METRIC DRILL SET a set of

Expert Quality HSS straight shank twist drills supplied in a heavy gauge steel case. Manufactured to DIN 338 and ISO235/1 Specifications.

The set contains:-1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5 and 13.0mm.

CODE

79345



DRAPER EXPERT 29 PIECE HSS IMPERIAL DRILL SET a set of

Expert Quality HSS straight shank twist drills supplied in a heavy gauge steel storage case, manufactured to DIN 338 and ISO235/1 specifications.

**TYPE** 

The set contains:-1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 11/64, 3/16, 13/64, 7/32, 15/64, 1/4, 17/64, 9/32, 19/64, 5/16, 21/64, 11/32, 23/64, 3/8, 25/64, 13/32, 27/64, 7/16, 29/64, 15/32, 31/64 and 1/2".

CODE **PRICE TYPF** 29 Piece HSS Drill Set Imperial..... 79360 £54.99



**5PC TITANIUM DRILL SET 1/4" SHANK** a set of 1/4" hexagon drive titanium plated, high speed drill bits, heat treated for maximum durability. Sizes:

1.5, 2.5, 3.2, 4 and 4.8mm.

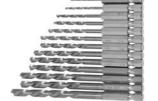
CODE TYPE

091-142 5 Piece Tin Coated 1/4" Hex Drive Drill Bit Set... £2.99

13PC TITANIUM DRILL SET 1/4" SHANK a set of 1/4" hexagon

drive titanium plated, high speed drill bits, heat treated for maximum durability. Sizes: 1.5, 2, 2.5, 3, 3.2, 3.5, 4, 4.5, 4.8, 5.0, 5.5, 6.0

and 6.5mm.



CODE TYPE PRICE
091-144 13 Piece Tin Coated 1/4" Hex Drive Drill Bit Set.. £6.99

#### **HSS TWIST DRILL BITS INDIVIDUAL SIZES**

HSS STRAIGHT SHANK NUMBER DRILL BITS manufactured to DIN338, sold individually and in packs of ten of the SAME size. Order by CODE + SIZE eg a single drill of size number 80 would be:- ND20/80. A pack of ten drills of size number 80 would be:- NDP/80

NUMBER SIZES:- 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61

CODE	TYPE	PRICE
ND20/XX	HSS Drill Bit + SIZE NUMBER	£0.90
NDP/XX	HSS Drill Bit 10 Pack + SIZE NUMBER	£6.50

HSS STRAIGHT SHANK METRIC DRILL BITS manufactured to DIN338, sold individually and in packs of ten of the SAME size. Order by CODE + SIZE eg a single drill of size 0.45mm would be:-MD/045. A pack of ten drills of size 0.45mm would be:-MDP/045.

				STATE OF THE PARTY	Control of the Control	,		
METRIC S	SIZES:-	-						
	0.20	0.25	0.3	0.35	0.4	0.45	0.5	0.55
	0.6	0.65	0.7	0.75	8.0	0.85	0.9	0.95
	1.0	1.05	1.1	1.2	1.3	1.4	1.5	1.6
	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2
	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
	4.5							
CODE	TYPE							<b>PRICE</b>
MD/XXX	HSS S	Straight	Shank	Drill Bi	t + SIZI	E		£0.90
MDP/XXX	HSS E	Orill Bit	10 Pa	ck ME1	TRIC +	SIZE		£6.50

HSS METRIC DRILL BITS a range of high quality HSS metric drill bits manufactured to DIN338, sizes 5.0 - 10.0mm including half sizes

CODE	TYPE	<b>PRICE</b>
LMD050	HSS Metric Drill Bit 5.0mm	£0.85
LMD055	HSS Metric Drill Bit 5.5mm	£0.85
LMD060	HSS Metric Drill Bit 6.0mm	£0.85
LMD065	HSS Metric Drill Bit 6.5mm	£0.85
LMD070	HSS Metric Drill Bit 7.0mm	£0.85
LMD075	HSS Metric Drill Bit 7.5mm	£1.00
LMD080	HSS Metric Drill Bit 8.0mm	£1.25
LMD085	HSS Metric Drill Bit 8.5mm	£1.45
LMD090	HSS Metric Drill Bit 9.0mm	£1.50
LMD095	HSS Metric Drill Bit 9.5mm	£1.90
LMD100	HSS Metric Drill Bit 10.0mm	£1.99

**TITANIUM COATED HSS METRIC DRILL BITS** a range of HSS drill bits with titanium coating for improved cutting performance and up to 45% longer drill life. Available individually and in packs of ten of the **SAME** size. Order by **CODE + SIZE** eg a single drill of size 0.45mm would be:- 092-045. A pack of ten drills of size 0.45mm would be:- 093-045.

METRIC SIZES:-								
	0.2	0.3	0.35	0.4	0.45	0.5	0.55	0.6
	0.65	0.7	0.75	8.0	0.85	0.9	0.95	1.0
	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
	1.9	2.0	2.5	3.0	3.5	4.0	4.5	
CODE	TYPE							PRICE
092-XXX	Tin C	oated I	HSS Me	tric Dr	ill Bit + S	SIZE		£1.25
093-XXX	Tin C	oated I	HSS Me	tric Dr	ill Bit 10	Pack	+ SIZE	£9.99

### **EXTRA LONG TWIST DRILL BITS**

**EXTRA LONG HSS DRILL BITS** a range of extra long HSS drill bits, the fluted length is 75mm, the length overall is 100mm for all sizes. Sold individually. Order by **CODE + SIZE** eg a single drill of size 0.5mm would be:- XLD050, a 1.50mm drill would be XLD150.

								3
METRIC	SIZES	:-						
0.5	0.6	0.7	8.0	0.9	1.0	1.1	1.2	1.3
1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.5	3.0
CODE XLDXXX	TYPI Extra	_	HSS Dr	ill Bit +	SIZE			<b>PRICE</b> £1.99

# **SOLID CARBIDE TWIST DRILL BITS**

**SOLID CARBIDE TWIST DRILL BITS** a range of solid carbide twist drills ideal for drilling hard materials including glass, ceramics and other hard materials. Sizes 0.5mm - 3.0mm. Sold individually.

CODE	TYPE	PRICE
091-050	Solid Carbide Twist Drill 0.50mm	£3.99
091-060	Solid Carbide Twist Drill 0.60mm	£3.99
091-070	Solid Carbide Twist Drill 0.70mm	£3.99
091-080	Solid Carbide Twist Drill 0.80mm	£3.99
091-090	Solid Carbide Twist Drill 0.90mm	£3.99
091-100	Solid Carbide Twist Drill 1.00mm	£3.99
091-150	Solid Carbide Twist Drill 1.50mm	£4.99
091-200	Solid Carbide Twist Drill 2.00mm	£4.99
091-250	Solid Carbide Twist Drill 2.50mm	£5.99
091-230	Solid Carbide Twist Drill 3.00mm	£5.99

#### 3/32" SHANK DRILL BITS

**HSS METRIC DRILL BITS** on 2.35mm (3/32") shanks, ideal for drilling PCB's and similar applications. Sizes 0.5 to 2.00mm. Sold individually and in packs of ten of the **SAME** size. Order by **CODE + SIZE** eg a single drill of size 0.5mm would be:- DBSL05. A pack of ten drills of size 0.5mm would be:- DBSP05.

						9		
METRIC S	SIZES:	-						
	0.5	0.6	0.7	8.0	0.9	1.0	1.1	1.2
	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
CODE	<b>TYPE</b>							<b>PRICE</b>
DBSLXX	HSS 2	2.35mm	Shank	Drill B	it + SIZ	E		£1.65
DBSPXX	HSS 2	2.35mm	Shank	Drill B	it 10 Pa	ack + S	IZE	£14.99

### **BULK DRILL BITS**

150 PIECE HSS DRILL SET a 150 piece micro drill bit set. The set contains 10 of each different size of drill bit up to 0.9mm and 5 of each for the larger sizes. The supplied case will keep them in order with the sizes easily identified. Sizes are: 0.4mm, 0.5,0.6 ,0.7 ,0.8 ,0.9mm x 10 of each plus 1.0mm, 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.8, 2.0, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.8, 3.0, 3.2mm x 5 of





102 PIECE HSS DRILL SET a 102 piece drill bit set. This 102 piece set offers a range of the most commonly used sizes of drill bits in a well designed slimline case. The sizes supplied are 1-3mm in 0.5mm increments x 10 of each, 3.5mm-5.5mm in 0.5mm increments x 5 of each and 6-10mm in 0.5mm increments x 3 of each.



CODE	TYPE	PRICE
090-272	102 Piece HSS Drill Set	£24.99

170 PIECE TIN COATED HSS DRILL SET a 170 piece tin coated HSS drill bit set. Contained within a strong steel case and fitted with a strong sectioned liner. Ground for accuracy from high

speed steel and TiN coated for extra durability, there are 10 of each size, 1mm to 8mm in 0.5mm steps, then 5 of each size 8.5mm to 10mm by 0.5mm.



CODE	TYPE	PRICE
090-261	170 Piece Tin Coated HSS Drill Set	£59.99

### FRACTIONAL JOBBERS DRILL BITS

HSS JOBBERS TWIST DRILL professional quality fractional twist drills, manufactured to DIN 338 and ISO 235/1 specifications.



CODE	TYPE	Α	В	С	PRICE
D10377	<b>HSS Jobbers Drill</b>	1/64"	3/16"	13/16"	£1.65
D19081	<b>HSS Jobbers Drill</b>	1/32"	13/32"	1-3/16"	£0.95
D19099	<b>HSS Jobbers Drill</b>	3/64"	5/8"	1-1/2"	£1.10
D19106	<b>HSS Jobbers Drill</b>	1/16"	25/32"	1-11/16"	£0.99
D19114	<b>HSS Jobbers Drill</b>	5/64"	15/16"	1-15/16"	£0.95
D19122	<b>HSS Jobbers Drill</b>	3/32"	1-3/16"	2-1/2"	£0.95
D19130	<b>HSS Jobbers Drill</b>	7/64"	1-5/16"	2-13/32"	£0.95
D19148	<b>HSS Jobbers Drill</b>	1/8"	1-7/16"	2-9/16"	£0.95
D19156	<b>HSS Jobbers Drill</b>	9/64"	1-17/32"	2-3/4"	£1.10
				CONTINUE	D OVER

D19164	HSS Jobbers Drill	5/32"	1-11/16"	2-15/16"	£1.10
D19172	<b>HSS Jobbers Drill</b>	11/64"	1-27/32"	3-5/32"	£1.20
D19180	<b>HSS Jobbers Drill</b>	3/16"	2-1/16"	3-3/8"	£1.20
D19198	<b>HSS Jobbers Drill</b>	13/64"	2-1/16"	3-3/8"	£1.40
D19205	<b>HSS Jobbers Drill</b>	7/32"	2-1/4"	3-21/32"	£1.55
D19213	HSS Jobbers Drill	15/64"	2-1/4"	3-11/16"	£1.65
D19221	HSS Jobbers Drill	1/4"	2-1/2"	3-31/32"	£1.90
D19239	HSS Jobbers Drill	17/64"	2-23/32"	4-9/32"	£2.10
D19247	HSS Jobbers Drill	9/32"	2-23/32"	4-9/32"	£2.40
D19255	HSS Jobbers Drill	19/64"	2-15/16"	4-19/32"	£2.75
D19263	HSS Jobbers Drill	5/16"	2-15/16"	4-19/32"	£2.85
D19271	HSS Jobbers Drill	21/64"	2-15/16"	4-19/32"	£3.50
D19289	HSS Jobbers Drill	11/32"	3-3/16"	4-29/32"	£3.50
D19297	HSS Jobbers Drill	23/64"	3-3/16"	4-29/32"	£3.80
D19312	HSS Jobbers Drill	25/64"	3-7/16"	5-1/4"	£4.29
D19338	HSS Jobbers Drill	27/64"	3-11/16"	5-19/32"	£4.99
D19346	HSS Jobbers Drill	7/16"	3-11/16"	5-19/32"	£5.50
D19354	HSS Jobbers Drill	29/64"	3-11/16"	5-19/32"	£5.99
D19362	HSS Jobbers Drill	15/32"	3-31/32"	5-15/16"	£5.99
D19370	HSS Jobbers Drill	31/64"	3-31/32"	5-15/16"	£5.99
D19388	HSS Jobbers Drill	1/2"	3-31/32"	5-15/16"	£5.99

#### **CENTRE DRILL BITS**

HSS CENTRE DRILLS high speed steel centre drills used as starter drills in lathes or drilling machines. Available in traditional imperial BS sizes which are manufactured by Dormer Tools in Sheffield. A range of metric sizes are also available.



			Body	Pilot	
CODE	TYPE	Size	Dia	Dia	PRICE
DORBS1	Dormer Centre Drill	BS1	1/8"	3/64"	£4.99
DORBS2	Dormer Centre Drill	BS2	3/16"	1/16"	£5.99
DORBS3	Dormer Centre Drill	BS3	1/4"	3/32"	£6.99
DORBS4	Dormer Centre Drill	BS4	5/16"	1/8"	£8.29
DORBS5	Dormer Centre Drill	BS5	7/16"	3/16"	£9.99
DR0100	Metric Centre Drill 1	.00	3.15mm	1.00mm	£2.65
DR0125	Metric Centre Drill 1	.25	3.15mm	1.25mm	£2.85
DR0160	Metric Centre Drill 1	.60	4.00mm	1.60mm	£2.95
DR0200	Metric Centre Drill 2	2.00	5.00mm	2.00mm	£3.15

# **DRILL GAUGES**

DRILL GAUGES used for measuring twist drills and other small items. Manufactured from tempered stainless steel with etched graduations.

Available in



CODE	TYPE	PRICE
090-570	Drill Gauge Metric 1mm - 10mm	£3.85
090-063	Drill Gauge Imperial 1/16" - 1/2"	£3.85

# **STEP AND TAPER DRILLS**

TAPER CUTTER manufactured from selected tool steel, used with power drills for enlarging holes in thin mild steel and non-ferrous

metals. Mounted on an 8mm shank. Cutting

	4 - 24mm.	Media
<b>CODE</b> 13428	TYPE Taper Cutter 4 - 24mm	<b>PRICE</b> £10.99

HSS TAPER DRILLS used for drilling and enlarging holes in soft thin gauge sheet materials up to 2mm. Suitable for mild steel, plastics, aluminium, perspex, brass and copper etc. Cutting compound such as RTD020 should be used when cutting metals. They will drill a hole of any diameter between the smallest and largest size stated. Sold individually.



L/C HSS STEP DRILL 4 - 14mm an economically priced step drill used for drilling holes in soft materials up to 4mm thickness. The step drill will cut a parallel hole in 2mm step increments. Suitable for mild steel, plastics, aluminium, perspex, brass and copper etc. Cutting compound such as RTD020 should be used when cutting metals. Sold individually.

CODE	TYPE	PRICE
090-874	L/C HSS Step Drill 4mm - 14mm	£8.99

HSS STEP DRILLS used for drilling holes in soft materials up to 4mm thickness. The step drill will cut a parallel hole in 1mm step increments. Suitable for mild steel, plastics, aluminium, perspex, brass and copper etc. Cutting compound such as RTD020 should be used when cutting

CODE	TYPE	PRICE
091-015	Step Drill 4 - 12mm	£17.99
091-020	Step Drill 10 - 20mm	£28.99
091-025	Step Drill 20 - 30mm	£44.99

3 PIECE 1/4" HSS STEP DRILL SET a set of 3 step drills used to obtain the proper depth needed for any application in plumbing or woodworking. Drop forged, high speed steel with titanium coating provides faster, smoother and cleaner cuts. 1/4" quick change hex shank can be used in any drill or drill press. Includes 1 x 3/16" to 1/2" six step bit.

1x 1/4" to 3/4" nine step bit, 1 x 1/8" to 1/2" thirteen step bit.

metals. Sold individually.

CODE	TYPE			PRICE
090-785	3 Piece 1/4" HSS	Step Dril	l Set	 £14.99

### **WOOD DRILL BITS**

WOOD DRILL BITS a range of drill bits specially for drilling timber. They have a steeper helix angle than a HSS drill bit, and also deeper fluted for rapid clearance of waste, allowing the drill to cut quickly and cleanly. The appropriate sizes are suitable for doweling jigs. Available individually or a set which is supplied in a plastic case containing:- 4, 5, 6, 8 and 10mm.

CODE	TYPE	PRICE
090-970	Wood Drill Bit 3mm	£1.79
090-972	Wood Drill Bit 4mm	£1.89
090-974	Wood Drill Bit 5mm	£1.99
090-976	Wood Drill Bit 6mm	£2.05
090-978	Wood Drill Bit 8mm	£2.69
090-980	Wood Drill Bit 10mm	£3.45
090-982	Wood Drill Bit 12mm	£4.29
090-984	Wood Drill Bit 14mm	£5.79
090-986	Wood Drill Bit 16mm	£7.99
090-988	Wood Drill Bit Set 4, 5, 6, 8 and 10mm	£10.39

**DEPTH COLLARS** a range of depth collars designed to fit around drill bits & enable holes to be drilled to a consistent depth time after time. Ideal for dowels & cavity fixing. Supplied in packs of 2.

CODE	TYPE	PRICE
090-529	Depth Collars 6mm Pack of 2	£1.09
090-548	Depth Collars 8mm Pack of 2	£1.20
090-066	Depth Collars 10mm Pack of 2	£1.29

8 PIECE DOWEL POINT SET chrome plated dowel centre points. Will provide accurate alignment of drill holes when dowel pinning joinery. Pack of 8 containing (2 x 6mm, 2 x 8mm, 2 x 10mm & 2 x 12mm).

CODE	TYPE	<b>PRICE</b>
090-522	8 Piece Dowel Point Set	£3.19

DRAPER FLAT WOOD BITS a range of Expert Quality flat wood bits manufactured from special carbon tool steel hardened and tempered. Ideal for use with power drills. 10mm to 38mm diameters. All sizes have a 6mm shank.

CODE	TYPE	PRICE
10606	Draper Flat Wood Bit 10mm	£2.55
10607	Draper Flat Wood Bit 13mm	£2.80
10609	Draper Flat Wood Bit 19mm	£3.69
10610	Draper Flat Wood Bit 22mm	£4.25
10611	Draper Flat Wood Bit 25mm	£4.59
10612	Draper Flat Wood Bit 32mm	£5.30
13559	Draper Flat Wood Bit 38mm	£5.50

6 PIECE FLAT WOOD BIT SET a range of flat wood bits manufactured from carbon tool steel hardened and tempered. Ideal for use with power drills. The set includes 10, 12, 16, 18, 20 and 25mm bits. All sizes have a 6mm shank. Supplied with a plastic holder which can be wall mounted if required.



CODE	TYPE	PRICE
091-032	6 Piece Flat Wood Bit Set	£7.99

7 PIECE FORSTNER BIT SET a range of wood boring bits, used when a hole with a flat bottom in the wood is required. The set includes sizes 12 - 35mm.



090-439

### **GLASS DRILLS**

**GLASS DRILL BITS** a range of spear point drill bits specially for drilling glass, mirrors and ceramics. Manufactured with extremely hard tungsten carbide tips for use at low speeds with light pressure. Sold individually:- 3, 4, 5, 6, 8 and 10mm.

	The second secon	
CODE	TYPE	PRICE
090-990	Glass Drill Bit 3mm	£3.90
090-992	Glass Drill Bit 4mm	£3.90
090-994	Glass Drill Bit 5mm	£3.40
090-996	Glass Drill Bit 6mm	£4.19
090-998	Glass Drill Bit 8mm	£4.69
090-999	Glass Drill Bit 10mm	£6.29

### **COUNTERSINK BITS**

HAND COUNTERSINK BIT manufactured from carbon steel hardened, tempered and chemically blacked finish with plastic handle. 13mm diameter head incorporates five cutting edges for use on



CODE	TYPE	PRICE
19241	Hand Countersink Bit	£4.99

**COUNTERSINK BITS** manufactured from special tool steel hardened and tempered to 55HRc for long life. The 90° head incorporates a single finely ground fast cutting edge. Suitable for use with hand or power drills on hard or softwood, metals and plastics.

Head diameter 12mm and 16mm.



**COUNTERSINK BIT** general purpose bit for use on woods and plastics, to receive most sizes of screws. May be used with hand drills or power drills.

13mm diameter head on a 6mm shank.

CODE	TYPE	PRICE
92526	Countersink Bit 13mm	£3.99

HSS COUNTERSINK BITS expert quality, manufactured from high speed steel hardened and tempered to 55HRc for long life. The 90° head incorporates five cutting edges and an 8mm diameter shank. Suitable for use with hand or power drills on hard or softwood, non-ferrous metals,

mild steel and plastics. Head diameter 13mm and 16mm.

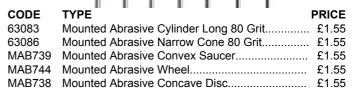
CODE	TYPE	PRICE
19234	Countersink Bit 13mm	£8.60
19235	Countersink Bit 16mm	£9.99

METRIC & NUMBER DRILLS IN PACKS OF 10 DRILLS FOR £6.50 SAVE £2.50 BASED ON SINGLE PRICE SEE PAGE 119

#### **MOUNTED ABRASIVES**

**MOUNTED ABRASIVES** a range of abrasives mounted on 2.35mm shanks. Various shapes are available, suitable for grinding and shaping most materials including wood, plastics, non-ferrous metals

etc.



7 PIECE SILICON STONES 7 piece silicone stones, each is

mounted on a 3.1mm diameter mandrel. Max RPM 28,000.



CODE	TYPE	<b>PRICE</b>
090-055	7 Piece Mounted Silicon Stone Set	£3.99

MOUNTED ABRASIVES a set 5 of vitrified aluminium oxide abra-

sives for grinding, shaping and de-burring, suitable for working most materials. Mounted on 1/8" (3.2mm) shaft, 13mm and 15mm diameter.



CODE	TYPE	PRICE
MAB294	5 Piece Mounted Abrasive Set	£4.99

**SHARPENING STONE** a small stone used for dressing small drill bits etc. Length 25 x width 10 x height 10mm.

**40 PIECE GRINDING & POLISHING SET** a set of assorted mini tools mounted on 3.2mm shafts. The set includes 20 assorted vitrified aluminium oxide stones in 4 differing grits, 10 assorted rubberised abrasives and 10 assorted polishing felts All supplied in

storage box.



CODE	TYPE	PRICE
090-698	40 Piece Grinding & Polishing Set	£11.99

WHEN PLACING AN ORDER PLEASE USE THE FULL ORDER CODE

### **STORAGE BOXES FOR BURS ETC**

WOODEN BOXES quality wooden boxes with a hinged lid suitable

for storing burrs, mounted abrasives, polishing mops etc. Ideal for easy tool selection and safe tool storage. 2 types are available, one holding 12 tools and one holding 36 tools.



CODE	TYPE	<b>PRICE</b>
BOX849	Wooden Box for 36 Burrs	£9.99
BOX848	Wooden Box for 12 Burrs	£5.99

# WOODEN STORAGE BOX FOR 100 TOOLS a handy storage

box that can hold up to 100 minidrill tools such as burs, drill bits. brushes and engravers etc. The holes are 3.1mm diameter. The lid is hinged with a clasp catch, polished finish. Box dimensions when closed 140 x 140 x 55mm.



CODE	TYPE	<b>PRICE</b>
090-844	Wooden Storage Box for 100 Tools	£14.99

### **HSS BURS**

BURS on a 2.35mm shank, used for cutting, shaping, reaming, deburring and finishing. Suitable for working most metals, plastics and wood. Order by CODE + SHAPE NUMBER eg to order the shape number 1 the code would be:- BUR/1.



Round, for cutting and finishing.



TYPE 2

Inverted cone, for use as Type 1 but will also under-cut.



Wheel, for cutting, shaping, slotting.



TYPE 5

Point, for countersinking, enlarging holes, etc.



TYPE 38 Tapered straight cross cut fissure, shaping and filing.

enlarging holes, etc.

TYPE 6 Bud, for shaping countersinking,

TYPE 36 Straight, cross cut fissure, for shaping

and filing.

CODE **TYPE** BUR/XX

**PRICE** 

**POST FREE DELIVERY** ON ALL ORDERS WITHIN THE UNITED KINGDOM MINIMUM ORDER VALUE £15.00 10 PIECE BUR KIT a set of 10 steel burrs with 2.35mm (3/32")

shanks supplied in a plastic storage case. Manufactured in England, suitable for use with all miniature drills.



CODE **TYPF** PRICE 10 Piece Bur Kit..... **BURKIT** £11.99

24 PIECE HSS CARVING & MILLING SET a range of HSS mini carving and milling burrs to fit Mini Rotary Tools. The set includes various shapes: round, cone, taper and cylinder for use on wood, plastics, stone, glass and various metals. Shaft diameters 3.2mm.



091-004 24 Piece HSS Carving & Milling Set RC9004...... £9.99

6 PIECE HSS ROUTER KIT 6 Hss router bits with 3.1mm shafts.

Max RPM 28,000.

CODE **PRICE** 6 Piece HSS Router/Bur Kit..... 090-038 . £4.99

# **TUNGSTEN CARBIDE BURS**

TUNGSTEN CARBIDE BURS a range of high quality tungsten

carbide burs on 3.2mm shanks. Used shaping, smoothing and material removal on metals. plastics, ceramics and wood etc.



CODE	TYPE	PRICE
090-251	Tungsten Carbide Bur Straight 3mm	£4.45
090-252	Tungsten Carbide Bur Straight 4mm	
090-358	Tungsten Carbide Bur Cone 3mm	£4.45
090-160	Tungsten Carbide Bur Bull Nose 4mm	£4.45
090-302	Tungsten Carbide Bur Point 3mm	£4.45
090-130	Tungsten Carbide Bur Dovetail 3mm	£4.45
090-213	Tungsten Carbide Bur Curved Point 3mm	£4.45
090-483	Tungsten Carbide Bur Ball 4mm	£4.45

# **MINIATURE ROUTER BITS**

HSS MINIATURE ROUTER BITS a range of HSS router bits ideal for routing and mortising in wood and other soft materials. Shank diameter 1/8". Available in a set, includes:- Straight cutters 1/8", 3/16" and 1/4", Corner round R1/8", Cove R3/16", Beading R3/32", Rebating 1/8", Plunge 1/4", Concave R1/4" and V-Grove 1/4".

10 Piece HSS Mini Router Cutter Set.....

CODE

**PRICE** 

£19.99

090-040

### **MINIATURE END BRUSHES**

**MINIATURE END BRUSHES** suitable for cleaning and polishing most materials. 3 shapes available in Steel, Brass and Bristle. Made in England.



CODE	TYPE	PRICE
090-915	Steel Wheel Medium 21mm dia	£0.99
090-920	Brass Wheel Medium 21mm dia	£0.99
090-925	White Bristle Wheel Stiff 21mm dia	£0.99
090-928	Steel Cup Medium 10mm dia	£0.99
090-929	Brass Cup Medium 10mm dia	£0.99
090-932	White Bristle Cup Stiff 10mm dia	£0.99
090-934	Steel Pencil Medium 6mm dia	£0.99
090-936	Brass Pencil Medium 6mm dia	£0.99
090-938	Bristle Pencil Stiff 6mm dia	£0.99

**25 PIECE SANDING & SHAPING SET** a range rotary tool accessories to fit all Mini Rotary Tools. The set includes flap sanders, drum sander arbors and bands, sanding discs for various material removal and renovation on smaller work pieces. Shaft diameters 2.35mm

and 3.2mm.

**30 PIECE CLEANING & POLISHING SET** a selection of rotary tool accessories to fit all Mini Rotary Tools. The set includes wire and nylon brushes, felt and cotton buffs and sander bands for effective cleaning and polishing of small workpieces. Shaft diameters 2.35 and 3.2mm.



CODETYPEPRICE091-00230 Piece Cleaning & Polishing Set RC9002.......£6.99

**105 PIECE DRILL ACCESSORY SET** a comprehensive set of tools suitable for use with most mini drills. The set includes 36 cutting wheels, 36 sanding discs, 1 x 12mm drum sanding mandrel, 5 fine sander bands, 4 coarse sander bands, 2 burrs, 3 re-inforced

cutting wheels, and various cleaning and polishing accessories All shanks are 3.2mm.



> FREE PARKING FOR 2 HOURS OUTSIDE OF OUR SHOP

22 PIECE HOME CLEANING & POLISHING SET ideal for all

types of cleaning and polishing applications, use on metal, wood and plastic. Supplied in plastic storage case.



CODETYPEPRICE091-13222 Piece Cleaning & Polishing Set.....£6.99

**13 PIECE CLEANING & GRINDING SET** ideal for all types of cleaning and grinding applications, use on metal, wood and plastic. For use with rotary tools the set contains three wire brushes, three

grinding stones, a drum sanding bit with six drum sanding pads. 1/8" shank all in a plastic storage case.



**13 PIECE CLEANING & GRINDING SET** ideal for all types of cleaning applications, use on metal, wood and plastic. For use with rotary tools the set contains a range of brushes and mops.

1/8" shank, all in a plastic storage case.



**ROTARY ACCESSORY SETS** a range rotary tool accessories to fit all Mini Rotary Tools. The sets includes various mini accessories for drilling, polishing, cleaning, engraving, carving and sanding etc, on various materials including wood, plastic, fibreglass,

metal and stone. Includes an accessory listing and usage details and recommended maximum speeds. Supplied in a excellent storage case. Shaft diameters 2.35mm and 3.2mm.



CODE TYPE PRICE
091-400 400 Piece Rotary Tool Accessory Set RC9400....£21.99
091-500 500 Piece Rotary Tool Accessory Set RC9500....£29.99

## **FELT POLISHERS**

**FELT POLISHERS** a range of polishing tools mounted on 2.35mm shafts, ideal for cleaning and polishing applications. The Hard Felt Wheel and Points may be used for burnishing and imparting a deep fine finish, the 3 Fold Felt and the Soft Cotton Mop are suitable for applying polish prior to finishing with a Hard Felt Point or Wheel. Made in England.















KNIFE WHEEL IN

INVERTED CONE

FLAT CONE

BUD FLAT BULLET BUD

CODE	TYPE	<b>PRICE</b>
KEFW01	Hard Felt Knife Edge Wheel	£0.99
HFW170	Hard Felt Solid Wheel 22mm dia	£0.99
3FF173	3 Fold Felt Wheel 21mm dia	£0.99
SCW180	Soft Cotton Wheel 25mm dia	£0.99
CLW190	Chamois Leather Wheel 19mm dia	£0.99
CAL210	Calico Wheel	£0.99
FPIC08	Felt Point Inverted Cone	£0.99
FPOOT9	Felt Point Flat Cone	£0.99
FPOOB3	Felt Point Bud	£0.99
FPOFB7	Felt Point Flat Bud	£0.99
FPOFP5	Felt Point Bullet	£0.99

# **DIAMOND POLISHING PASTE**

**DIAMOND POLISHING PASTE** a high grade polishing paste used to obtain a deep fine finish on hard materials. The paste contains carefully graded diamond. Use with the above polishing tools. Supplied in a syringe. 3 grades available.



CODE	TYPE	PRICE
15550	Diamond Polishing Paste Fine	£5.99
15551	Diamond Polishing Paste Medium	£5.99
15552	Diamond Polishing Paste Coarse	£5.99

# **DIAMOND ENGRAVING TOOLS**

**10 PIECE DIAMOND BURR SET** high quality diamond engraving burrs for fine engraving and grinding work on hard materials such as glass and metal, also very effective on plastics etc. The shapes

include:- parallels, tapers, fine points, cones, balls and buds. Mounted on 2.353mm shafts. Supplied in a plastic storage box.



CODE	TYPE	PRICE
090-029	Diamond Burr Set 10 Piece	£2.50

METRIC & NUMBER DRILLS IN PACKS OF 10 DRILLS FOR £6.50 SAVE £2.50 BASED ON SINGLE PRICE SEE PAGE 119 **20 PIECE DIAMOND ENGRAVING SET** high quality diamond engraving tools for fine work on hard materials such as glass and metal, also very effective on plastics etc. The shapes include:parallels, tapers, fine points, cones, balls and buds. Mounted on 3mm shafts. Supplied in a plastic storage box.



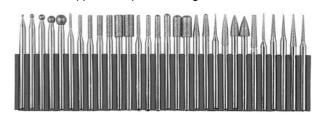
CODE	TYPE	PRICE
DETS20	Diamond Engraving Set 20 Piece	£4.99

**30 PIECE DIAMOND ENGRAVING SET** high quality diamond engraving tools for fine work on hard materials such as glass and metal, also very effective on plastics etc. The shapes include:parallels, tapers, fine points, cones, balls and buds. Mounted on 3mm shafts. Supplied in a plastic storage box.



CODE	TYPE	PRICE
090-030	Diamond Engraving Set 30 Piece	£7.99

**30 PIECE DIAMOND ENGRAVING SET** high quality diamond engraving tools for fine work on hard materials such as glass and metal, also very effective on plastics etc. The shapes include:parallels, tapers, fine points, cones, balls and buds. Mounted on 3mm shafts. Supplied in a plastic storage box.



CODE	TYPE	PRICE
090-031	Diamond Engraving Set 30 Piece	£7.99

**30 PIECE DIAMOND ENGRAVING BIT SET** a selection of rotary tool accessories to fit all Mini Rotary Tools. The set includes various shapes: round, cone, taper, flame and cylinder for craft or security engraving on glass, metals, stone and plastics. Shaft diameters 3.2mm.



CODE TYPE PRICE
091-006 30 Piece Diamond Engraving Bit Set RC9006..... £9.99

**DIAMOND GRINDING & DEBURRING SET** a high quality set of diamond tools for grinding and deburring work on hard materials such as glass and metal, also very effective on plastics etc.

Mounted on 3mm shafts and supplied in a storage box.



CODETYPEPRICEDETS30Diamond Grinding & Deburring Set 8 Piece............£9.99

**TITANIUM COATED DIAMOND GRINDING & DEBURRING SET** a high quality set of diamond tools with titanium coating for extra life. Ideal for grinding and deburring work on hard materials such

as glass and metal, also very effective on plastics etc. Mounted on 3mm shafts and supplied in a storage box.



CODETYPEPRICE090-5018 P/c Tin Coated Diamond Grinding Set...............................£11.99

**50 PIECE DIAMOND GRINDING & DEBURRING SET** a set of 50 assorted diamond coated burs for deburing and grinding. The set

includes:- balls, cones, inverted cones, buds, cylinders, wheels with convex and concave edges. Mounted on 3mm shafts. Supplied in a storage box.



CODE	TYPE	PRICE
18801	50 Piece Diamond Grinding & Deburring Set	£24.99

# **PERMA-GRIT ROTARY FILES**

**PERMA-GRIT ROTARY FILES** rotary tools are mounted to a 3mm integral mandrel, so that they can be used with reversible drive tools. They are ideal for use with miniature power tools including Minicraft and Dremel and most other miniature drills. They are also suitable for use with Flexi-drives. Offered in a variety of shapes and sizes. Available in fine or coarse grits, they allow the user to cut, rout and shape a wide range of materials quickly and cleanly, often without the need for secondary finishing.

**ROTARY FILE NARROW CONE** a narrow cone used as a rotary file for cleaning and shaping. Available in coarse and fine grit.

CODE	TYPE	PRICE
RF-1C	Narrow Cone Coarse RF1C	£10.20
RF-1F	Narrow Cone Fine RF1F	£10.20

**ROTARY FILE WIDE CONE** a wide cone used as a rotary file for cleaning and shaping etc. Available in coarse and fine grit.



CODE	TYPE	PRICE
RF-2C	Wide Cone Coarse RF2C	.£10.20
RF-2F	Wide Cone Fine RF2F	£10.20

**ROTARY FILE INVERTED CONE** an inverted cone used as a rotary file for cleaning and shaping etc. Available in coarse and fine grit.

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CODE	TYPE	PRICE
RF-7C	Inverted Cone Coarse RF7C	£10.20
RF-7F	Inverted Cone Fine RF7F	£10.20

**ROTARY FILE ROD** a 3mm diameter parallel rod used as a rotary file for cleaning and shaping etc. Available in coarse and fine grit.

CONTRACTOR ...

CODE	TYPE	PRICE
RF-6C	Rotary Rod Coarse RF6C	£10.20
RF-6F	Rotary Rod Fine RF6F	£10.20

**ROTARY FILE DOME HEAD** a 7mm diameter parallel drum with a dome head used as a rotary file and for shaping and carving. Available in coarse and fine grit.

	ACCOUNT OF THE PARTY OF THE PAR	
CODE	TYPE	PRICE
RF-5C	7mm Dome Head Coarse RF5C	£10.20
RF-5F	7mm Dome Head Fine RF5F	£10.20

**ROTARY FILE DRUM** a 10mm diameter parallel drum used as a rotary file and for shaping and carving. Available in coarse and fine grit.

	CONTRACT CONTRACT	
CODE	TYPE	PRICE
RF-3C	10mm Drum Coarse RF3C	£10.20
RF-3F	10mm Drum Fine RF3F	£10.20

**ROTARY FILE SMALL COUNTERSINK** a 6mm diameter rotary file for countersinking holes. Available ultrafine grit.

	Appropriate to the control of the co	
CODE	TYPE	<b>PRICE</b>
RF-9UF	6mm Countersink Ultra Fine RF9UF	£10.20

**ROTARY FILE LARGE COUNTERSINK** a 10mm diameter rotary file for countersinking holes. Available in fine and ultra fine grit.



CODE	TYPE	PRICE
RF-10F	10mm Countersink Fine RF10F	£10.20
RF-10UF	10mm Countersink Ultra Fine RF10UF	£10.20

**ROTARY FILE BALL** a 9mm diameter ball rotary tool for cleaning and shaping. Available in coarse and fine grit.



CODE	TYPE	PRICE
RF-8C	9mm Ball Coarse RF8C	£10.20
RF-8F	9mm Ball Fine RF8F	£10.20

**ROTARY FILE PANCAKE** a 15mm diameter rotary tool for cleaning and shaping. Available in coarse and fine grit.



CODE	TYPE	PRICE
RF-4C	Pancake Coarse RF4C	£10.20
RF-4F	Pancake Fine RF4F	£10.20

### **MANDRELS**

**MANDREL** used for mounting Slitting Discs, Slitting Saws, Diamond Cutting Discs, Abrasive Wheels, Rubber Abrasive Wheels and Rubber Knife Edge Wheels etc. 2.35mm diameter shank.



CODE	TYPE	PRICE
MAN010	Mandrel	£0.99
MAN015	Mandrels Pack of 6	£5.00

**HEAVY DUTY MANDREL** used for mounting Slitting Discs, Slitting Saws, Diamond Cutting Discs, Abrasive Wheels, Rubber Abrasive Wheels and Rubber Knife Edge Wheels etc. 2.25mm diameter shank. Sold individually.



CODE	TYPE	PRICE
090-786	Heavy Duty Mandrel x 1	£1.50

#### **SLITTING SAWS & CUTTING DISCS**

MINIATURE SLITTING SAWS a range of miniature HSS circular slitting saws deal for cutting thin soft sheet metals such as gold, silver and brass etc, also plastics and wood. Available in 5 sizes:-12mm, 16mm, 19mm, 22mm and 25mm. Requires a mandrel

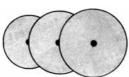
(MAN010) for mounting.



CODE	TYPE	PRICE
090-012	Slitting Saw 12mm dia	£2.25
SS0016	Slitting Saw 16mm dia	£2.50
SS0019	Slitting Saw 19mm dia	£2.75
SS0022	Slitting Saw 22mm dia	£2.99
090-025	Slitting Saw 25mm dia	£3.25
SS0031	Slitting Saws x3 (16, 19 & 22mm) with 1 Mandrel	£7.99
MAN010	Mandrel	£0.99

**SLITTING DISCS** resin-bonded discs suitable for cutting and finishing most materials including hard metals such as stainless

steel. They are particularly suitable for cutting model railway track. Fast, cool and odour free. Requires a mandrel (MAN010) for mounting.



TYPE	PRICE
7/8" Slitting Disc 10 Pack	£2.99
7/8" Slitting Disc 10 Pack with Mandrel	£3.90
7/8" Slitting Disc 25 Pack	£6.99
7/8" Slitting Disc 50 Pack	£11.99
7/8" Slitting Disc 100 Pack	£19.99
1-1/2" Slitting Disc 10 Pack	£4.50
1-1/2" Slitting Disc 25 Pack	£9.99
1-1/2" Slitting Disc 50 Pack	£18.99
1-1/2" Slitting Disc 100 Pack	£34.99
Mandrel	£0.99
	7/8" Slitting Disc 10 Pack

# POST FREE DELIVERY ON ALL ORDERS WITHIN THE UNITED KINGDOM

**MINIMUM ORDER VALUE £15.00** 

**REINFORCED CUTTING DISCS** resin-bonded, fibre reinforced cutting discs suitable for cutting and finishing most materials including hard metals such as stainless steel. They are particularly

suitable for cutting model railway track. Fast, cool and odour free. 32mm diameter, available individually and in packs of 10. Requires a mandrel (MAN010 or 090-786) for mounting.



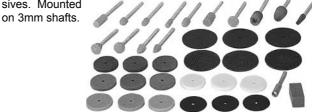
CODE	TYPE	PRICE
090-788	Reinforced Cutting Discs x 1	£0.65
090-789	Reinforced Cutting Discs Pack of 10	£4.99

**60 PIECE CUTTING & GRINDING SET** a range rotary tool accessories to fit all Mini Rotary Tools. The set includes grinding stones and wheels, reinforced cutting discs, carborundum slitting discs, mini steel circular saw blades and diamond cutting blades. Ideal for various cutting and preparatory tasks on smaller workpieces. Shaft diameters 2.35mm and 3.2mm.



	•				
CODE	TYPE				PRICE
091-115	60 Piece Cutting	& Grinding	Set RC900	5	£8.99

**86 PIECE CUTTING AND GRINDING SET** a set of various abrasives including slitting discs, grinding wheels and mounted abrasives. Mounted



CODE	TYPE	PRICE
16601	86 Piece Cutting & Grinding Set	£8.99

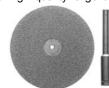
**DIAMOND CUTTING DISCS** a range of high quality diamond coated circular saw blades for cutting glass and similar hard materials. Requires a mandrel (MAN010) for mounting. Available in 4 diameters and a set containing 1 of each disc and a mandrel.



CODE	TYPE	PRICE
DCD015	Diamond Cutting Disc 15mm	£2.50
DCD018	Diamond Cutting Disc 18mm	£2.75
DCD020	Diamond Cutting Disc 20mm	£2.99
DCD022	Diamond Cutting Disc 22mm	£3.25
DCD560	5 Piece Diamond Cutting Set	£9.99
MAN010	Mandrel	£0.99

LARGE DIAMOND CUTTING DISCS high quality large diameter

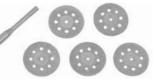
diamond coated circular saw blades for cutting glass and similar hard materials. Ideal for deeper cuts and cutting material in situ. Supplied with a mandrel for mounting.



CODE	TYPE	PRICE
DCD561	Diamond Cutting Disc 40mm with Mandrel	£4.99
091-140	Diamond Cutting Disc 50mm with Mandrel	£5.99

5 PIECE VENTED DIAMOND CUTTING DISC KIT 5 vented dia-

mond tipped cutting discs and a mandrel.
Max RPM 28,000.



CODETYPEPRICE090-8135 Piece Vented Diamond Cutting Disc Kit......£6.99

PERMA-GRIT CUTTING DISCS ideal for tough cutting tasks, ideal

for most materials including piano wire, high speed steel, plastics, fibreglass and ceramics.

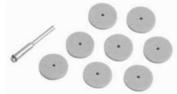


Available in 2 sizes.

CODE	TYPE	PRICE
RD1	19mm Dia Disc with Arbor	£8.69
RD2	32mm Dia Disc with Arbor	£9.70
RD3	19mm & 32mm Discs with Arbor	£14.80

8 PIECE GRINDING DISCS 8 aluminium oxide grinding discs,

includes a 3.1mm diameter mandrel. Max RPM 28,000.



**CODE**090-196

TYPE
PRICE
090-196

8 Piece Aluminium Oxide Grinding Discs (Pink)... £1.99

8 PIECE CPINDING DISCS 8 silicone carbide grinding discs sup

8 PIECE GRINDING DISCS 8 silicone carbide grinding discs sup-

plied with a mandrel. Max RPM 28,000.



CODETYPEPRICE090-6468 P/ce Silicone Carbide Grinding Discs (Green)... £1.99

# **RUBBER ABRASIVES**

**RUBBER ABRASIVE WHEELS AND POINTS** rubberised abrasives used for smoothing, light deburring, cleaning and polishing of various metals. Available in wheel, knife edge and a point in 2 grades:- Black used for general high speed work. Green used for Precious metals such as Gold, Nickel, Chrome etc. 21mm x 3mm.

Mandrel MAN010 required for Wheel & Knife Edge. Points require MAN301.



CODE	TYPE	PRICE
RAWB10	Rubber Abrasive Wheel Black 5 Pack	£2.99
RAWG20	Rubber Abrasive Wheel Green 5 Pack	£2.99
RA30KE	Rubber Abrasive Knife Edge Black 5 Pack	£3.85
RA40KE	Rubber Abrasive Knife Edge Green 5 Pack	£3.85
RAP050	Rubber Abrasive Point Black 5 Pack	£3.50
RAP060	Rubber Abrasive Point Green 5 Pack	£3.50

MANDREL used for mounting Abrasive Points. 2.35mm diameter.



CODE	TYPE	PRICE
MAN301	Mandrel for Abrasive Points	£1.50

3 PIECE RUBBER POLISHING KIT 3 rubber polishing tips with fit-

ted 3.1mm mandrels. Max RPM 28,000.

**6 PIECE RUBBER POLISHING TIPS** 6 rubber polishing tips with fitted 3.1mm diameter mandrels.

Max RPM 28,000.

CODE	TYPE	PRICE
090-801	6 Piece Rubber Polishing Tip	£3.19

**6 PIECE RUBBER POLISHING DISCS** 6 rubber polishing discs includes mandrel. Max RPM 28,000.

CODE	TYPE	PRICE
090-702	6 Piece Rubber Polishing Discs	£2.50

HARD RUBBER POLISHING SET a set of 9 miniature rotary polishing tools suitable for use with mini drills. The rubber compound carries a light abrasive grit suitable for cleaning and polishing

metal, bone, pearl etc. Mounted on 2.3 and 3mm diameter shafts. The set includes wheels, drums and tapers etc.

CODE	TYPE	PRICE
090-603	9 Piece Hard Rubber Polishing Set	£6.99

**6 PIECE FELT POLISHING SET** 6 felt polishing points supplied with a mandrel.

Max RPM 28,000.

CODE	TYPE	PRICE
090-566	6 Piece Felt Polishing Set	£1.99

10 PIECE  $\frac{1}{2}$ " FLAT WHEELS 10 felt polishing wheels fitted with 3.1mm diameter mandrel.

Max RPM 28000.

CODE	TYPE	<b>PRICE</b>
090-800	10 Piece ½" Flat Wheels	£1.99

**4 PIECE BUFFING WHEELS** 4 buffing wheels, includes 3.1mm mandrel. MaxRPM 28,000.

5 PIECE FELT POLISHING KIT 5 felt polishing wheels and felt

polishing tips, includes mandrel. Max RPM 28,000.

CODE **TYPF PRICE** 090-691 5 Piece Felt Polishing Kit.......£2.99

3 PIECE BUFFING WHEEL 3 piece loose leaf buffing wheel includes 3.1mm diameter mandrel.

Max RPM 28,000.

CODE	TYPE	<b>PRICE</b>
090-616	3 Piece Buffing Wheel	£1.90

### **SANDING ACCESSORIES**

CIRCULAR SANDING DISC a miniature circular sanding disc mounted on a 2.3mm shaft. The rubber backing pad is flexible allowing it to flex over the item being sanded. The sanding discs

are velcro backed for easy changes. The backing pad is supplied with 2 discs, the sanding discs are supplied in packs of 10 and 50.



CODE	TYPE	PRICE
090-930	Circular Sanding Backing Disc	£2.50
090-931	Circular Sanding Discs Pack of 10	£2.50
090-935	Circular Sanding Discs Pack of 50	£11.99

MODEL CRAFT CIRCULAR SANDING KIT a rubber holder with

self adhesive sanding discs. Supplied with 10 sanding discs (5 coarse and 5 fine). Replacement discs available in packs of 10 coarse or fine.



CODE	TYPE	PRICE
091-830	Model Craft Circular Sanding Kit with 10 Discs	£2.99
091-831	Model Craft Circular Sanding Disc Coarse x 10	£1.99
091-832	Model Craft Circular Sanding Disc Fine x 10	£1.99

DRUM SANDER a rubber drum mounted on a mandrel for use with flexigrit sander bands. 2 sizes of drum are available, a 9.5mm diameter drum used for smaller workpieces and tight spaces, the 12mm diameter drum is used for general applications. 3 grades of bands are available for both types:-

Fine 320 grit, Medium 240 grit, Coarse 120 grit.



CODE	TYPE	PRICE
SAN900	Drum Sander 9.5mm	£2.99
SAN903	Sander Band Fine 9.5mm Pack of 5	£1.50
SAN902	Sander Band Medium 9.5mm Pack of 5	£1.50
SAN901	Sander Band Coarse 9.5mm Pack of 5	£1.50
SAN020	Drum Sander 12mm	£2.99
SAN030	Sander Band Fine 12mm Pack of 5	£1.50
SAN040	Sander Band Medium 12mm Pack of 5	£1.50
SAN050	Sander Band Coarse 12mm Pack of 5	£1.50
SAN333	Sander Band Fine 12mm Pack of 10	£2.75
SAN444	Sander Band Medium 12mm Pack of 10	£2.75
SAN555	Sander Band Coarse 12mm Pack of 10	£2.75

**DIAMOND & TITANIUM COATED DRUM SANDER** a rubber drum mounted on a mandrel with titanium coated diamond sander

bands. Medium 150 grit.

Spare bands are available.



MINIATURE FLAP SANDING WHEEL a range of general purpose flap wheels mounted on 2.35mm shafts, suitable for use with most miniature drills. 2 Sizes available:-15mm dia x 5mm width. 30mm diameter x 10mm width.

Available in a range of grits.

CODE	TYPE	<b>PRICE</b>
091-320	Mini Flap Wheel 15 x 5mm 320 Grit	£1.99
091-240	Mini Flap Wheel 15 x 5mm 240 Grit	£1.99
091-120	Mini Flap Wheel 15 x 5mm 120 Grit	£1.99
092-240	Mini Flap Wheel 30 x 10mm 240 Grit	£2.29
092-121	Mini Flap Wheel 30 x 10mm 120 Grit	£2.29
092-081	Mini Flap Wheel 30 x 10mm 80 Grit	£2.29
	·	

#### **ROTARY RASPS**

MINIATURE ROTARY RASP SET a set of 5 miniature rotary rasps suitable for use with mini drills. They are idea for carving,

shaping and grinding soft materials such as wood and some plastics. The rasps are mounted on 3mm diameter shafts. The set includes:ball, drum, cone, flat cone and bullet shapes.



CODE	TYPE	PRICE
090-602	Miniature Rotary Rasp Set 5 Piece	£6.99

CYLINDRICAL RASP a rotary cylindrical rasp ideal for shaping woods, plastics and light alloys. Mounted on a 6mm shaft, the rasp is 15mm diameter

x 30mm length.



BALL RASP a rotary ball rasp ideal for shaping woods, plastics

and light alloys. Mounted on a 6mm shaft, the rasp is 15mm diameter.



**CONICAL RASP** a rotary conical rasp ideal for shaping woods. plastics and light alloys. Mounted on a 6mm shaft, the rasp tapers

from 15mm diameter x 30mm length.

CODE	TYPE	PRICE
RR2535	Conical Rasp 15mm dia x 30mm	£4.99

### **HOLE CUTTERS**

**DRILL SAWS** rotary drill saws ideal for adjusting and enlarging holes in woods, plastics and light alloys. A range of sizes are available individually, a pack of 3 containing 3, 6 and 8mm, a set containing 1 of each size which are supplied in a wooden box



VITREX ROTARY FILES manufactured from high quality tool steel. They are ideal for shaping, filing, milling slotting etc. Used with standard hand held electric drill. The shank is 6mm. 2 types are available:- for wood and metals.



CODE	TYPE	PRICE
401288	Vitrex Metal Rotary File	£3.99
401243	Vitrex Wood Router Drill	£3.99

**DRAPER 6 PIECE HOLE SAW KIT** a hole saw set comprising of 6 blades, an alloy base and a common mandrel with pilot drill. The blades are manufactured from high carbon steel with hardpoint cutting edges. Sizes included 32mm, 38mm, 44mm, 51mm, 57mm and 63mm.



CODE	TYPE	PRICE
18053	Draper 6 Piece Hole Saw Kit	£14.99

**11 PIECE HOLE SAW SET 1"** an economically priced hole saw set comprising of 7 blades, a 3/8" mandrel, a 1/4" drill bit with mandrel, 1 drive plate and 1 hex wrench. The blades are manufactured from carbon steel with hardpoint cutting edges. Sizes included 7/8", 1", 1/4", 1/2", 1-3/4", 2" and 2½". Cutting depth 1".



FREE PARKING FOR 2 HOURS OUTSIDE OF OUR SHOP

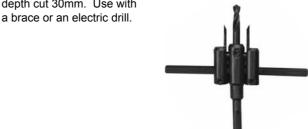
**16 PIECE HOLE SAW SET 1"** an economically priced hole saw set comprising of 12 blades, a 3/8" mandrel, a 1/4" drill bit with mandrel, 1 drive plate and 1 hex wrench. The blades are manufactured from carbon steel with hardpoint cutting edges. Sizes included 19, 22, 26, 32, 38, 51, 63, 75, 89, 101 and 127mm. Cutting depth 1".



 CODE
 TYPE
 PRICE

 090-523
 16 Piece Hole Saw 1" Depth 19 - 127mm dia..... £12.99

ADJUSTABLE HOLE CUTTER for cutting quick, easy holes in wood, plasterboard or plastic. 2 cutter design & centre drill make quick clean holes in no time. Hole capacity 30 - 120mm maximum depth cut 30mm. Use with



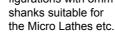
HOLE CUTTER with combination shank for use with a hand brace or power drill. Speed range 200rpm when cutting holes above 90mm diameter increasing to 800rpm for 40mm diameter holes. The cutter has a wing nut easy adjustment, graduated beam and

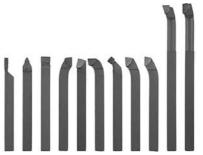
hardened pilot point. For wood and plastics maximum cutting depth 30mm.

Cutting range: - 40 - 120mm.

### **TUNGSTEN CARBIDE LATHE TOOLS**

11 PIECE 8MM TUNGSTEN CARBIDE LATHE TOOL SET a set of high quality tungsten tipped turning tools in a variety of tip configurations with 8mm





 CODE
 TYPE
 PRICE

 090-001
 11 Piece TCT Lathe Tool Set 8mm.......£18.99

8 PIECE 12MM TUNGSTEN CARBIDE LATHE TOOL SET a set

of high quality tungsten tipped turning tools in a variety of tip configurations with 12mm shanks.



 CODE
 TYPE
 PRICE

 090-002
 8 Piece TCT Lathe Tool Set 12mm......£24.99

# **PIN CHUCKS**

**MINI CHUCK** an improved quality miniature chuck for holding miniature drill bits in the chucks of larger tools such as bench drills or hand held tools. Capacity 0 - 0.9mm, chuck diameter 8.8mm, shaft diameter 3mm. Length overall 36mm.

CODE	TYPE	PRICE
090-832	Mini Chuck 0 - 0.9mm	£3.99

MICRO CHUCK WITH HEXAGON DRIVE a high quality miniature chuck with hexagon drive, used for holding miniature drill bits in low speed cordless screwdrivers etc. Capacity 0 - 0.85mm, chuck diameter 8.8mm. Length overall 47mm.

CODE	TYPE	PRICE
090-831	Micro Chuck with Hexagon Drive 0 - 0.85mm	£3.99

**ADAPTOR CHUCK** a high quality pin chuck used for holding miniature drill bits in chucks of larger tools such as bench drills or hand held tools. Supplied with 4 collets. Shank diameter 2.35mm.



**PIN CHUCK SET** designed for adapting a larger drill chuck to hold small drill bits in the range of 0 to 2.5mm diameter. Supplied with 3 interchangeable collets, steel construction with oil blackened finish. PC0020 has a 1/4"/

6.3mm shaft, PC0029 has a 1/8"/3.2mm shaft. The Eclipse set has a 1/4"/6.3mm shaft.



THREE JAW PIN CHUCK a 3 jaw automatic pin chuck which will enable twist drills of 0.6-3.2mm diameter to be held in the chuck of a larger drilling machine. All steel construction with a blackened finish. A tommy bar is

finish. A tommy bar is also supplied. Shaft diameter 6.5mm.

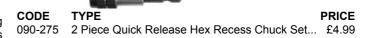
ECL160



1/4" HEXAGON DRIVE KEYLESS CHUCKS keyless chucks for use with low speed cordless drills. Used to convert 1/4" hexagon drive powered screwdrivers into a drill. Ideal for drilling pilot holes etc.

CODE	TYPE	PRICE
080-010	L/C 1/4" Hexagon Drive Keyless Chuck	£3.99
090-463	CK 1/4" Hexagon Drive Keyless Chuck	£6.99

**HEX DRIVE QUICK CHUCKS** a set of 2 quick chucks for use with cordless screwdrivers and slow speed cordless drills. The 150mm chuck is manufactured from a single piece of stainless steel for strength. Both chucks have a slim alloy head for access in tight spaces.



### 90° ANGLE KEYLESS CHUCK

90° ANGLE KEYLESS CHUCK an attachment for use with low

speed cordless tools. Ideal for use where access is restricted, use for drilling, sanding and buffing etc. Fitted with a 3/8" keyless chuck and includes 3 HSS hinge drills (2mm, 2.8mm and 3.6mm). Supplied with a detachable handle which can be fitted for left hand or right hand use.



CODE	TYPE	PRICE
090-226	90° Angle keyless Chuck	£14.99

# **MINICRAFT HSS DRILL SETS**

MINICRAFT HSS DRILL BITS a range of quality HSS twist drill bits suitable for drilling wood, plastic and non-ferrous metals. Supplied in bags of 4 drills.

CODE	TYPE	PRICE
MB1720	4 HSS Drill Bits 0.4, 0.6, 0.8, 1.0mm	£2.75
MB1721	4 HSS Drill Bits 1.2, 1.4, 1.6, 1.8mm	£2.75
MB1722	4 HSS Drill Bits 2.2, 2.4, 2.6, 2.8mm	£2.75
MB1723	4 HSS Drill Bits 1.5, 2.0, 2.5, 3.0mm	£2.75

# **MINICRAFT POLISHING SET**

**POLISHING SETS** used for various polishing applications. MB1652 contains 2 mops and a pot of rouge paste. The soft felt is used to apply the polishing paste, the cotton mop is then used to polish the item. The rouge paste is specially suitable for silver and pewter. The MB1653 contains 2 felt wheels and a felt bullet which are mounted to a 3.2mm screw mandrel. A tablet of white polish-

ing compound in supplied which is ideal for general polishing of metal, glass, ceramics and plastics.



Heavy Duty Polishing Set ......£4.99

CODE

MB1652

MB1653

### MINICRAFT SANDING ACCESSORIES

**CIRCULAR SANDING KIT** rubber holder with self adhesive sanding discs. Supplied with 4 sanding discs (2 coarse and 2 fine). Replacement discs available

in packs of 6 coarse or fine.



**SANDING DRUM MANDRELS AND SANDING DRUMS** ideal for removal of old paint and tarnish, shaping and sanding of wood and plastic. The 12mm drum is mounted on a 3.2mm shank using 12mm bands.

CODE	TYPE	PRICE
MB1628	2 Heavy Duty Sanding Drum Mandrels	£2.49
MB1890	12 Coarse Sanding Drums for MB1628	£2.99
MB1891	12 Fine Sanding Drums for MB1628	£2.99

**MINIATURE FLAP SANDING WHEEL** general purpose flat wheel for use with Minicraft drills and similar miniature drills. 28mm dia, 80 grit.



CODE	TYPE	PRICE
MB1656	Mini Flap Wheel 28mm	£3.99

### **MINICRAFT ACCESSORIES**

**MILLING CUTTERS** for hollowing, carving, shaping and engraving work in wood, plastics and metals. Contents of sets:-

MB1700 3 Fine Cutters 2.3mm dia Reverse Taper, Round, Wheel. One each - F, J & N.

MB1701 3 Fine Cutters 2.3mm Dia Cylindrical, Conical, Oval. One each - A, H & M.

**MB1702 3 Fine Cutters 1.5mm Dia** Taper, Reverse Taper, Round. One each - C, E & I.

MB1704 3 Medium Cutters

Reverse Taper 4mm, Round 4mm, Dome 6mm. One each - G, K & P.

MB1705 5 Coarse Cutters 6mm dia Cylindrical, Taper, Round, Wheel, Dome. One each - B, D, L, O & Q.



TYPE	PRICE
3 Fine Cutters	£2.99
3 Fine Cutters	£2.99
3 Fine Cutters	£2.99
5 Coarse Cutters	£8.99
	TYPE 3 Fine Cutters 3 Fine Cutters 3 Fine Cutters 3 Medium Cutters 5 Coarse Cutters

# POST FREE DELIVERY ON ALL ORDERS WITHIN THE UNITED KINGDOM

**MINIMUM ORDER VALUE £15.00** 

### **MINICRAFT CUTTING DISCS**

**CUTTING WHEELS** for cutting metal shafts, tubes and bolts etc. The MB1631/2 are ideal for cutting model railway track and for general work. For heavier work a thicker disc is available which are also ideal for slotting etc.

Fibre reinforced discs are available for tough cutting jobs.

CODE	TYPE	PRICE
MB1631	Cutting Wheels 40mm x2	£1.99
MB1632	Cutting Wheels 22mm x6	£1.99
MB1633	Reinforced Cutting Wheels 32mm - 3 Pack	£2.99
MB1634	Heavy Duty Cutting Wheels 23mm - 25 Pack	£5.99

**CIRCULAR SAW BLADES** for cutting and trimming small sections of wood and plastic. 12, 19 and 25mm dia.

CODE	TYPE	PRICE
MB1640	3 Mini Circular Saw Blades	£4.99

MANDRELS for use with grinding wheels, polishers, cutting discs and saws. Suitable for all Minicraft drills and most other makes of miniature drills. Available with 2.35mm shanks, or for heavy duty work mandrels

with 3.2mm shanks are available.

CODE	TYPE	<b>PRICE</b>
MB1625	Mandrels x3	£2.49
MB1627	Heavy Duty Mandrels x3	£2.49

## **ACCESSORIES FOR DREMEL MULTI-TOOL**

DREMEL COLLETS a set of 4 collets for use with Dremel Multi which allow the use of other

manufacturers miniature tools and drill bits in the Dremel Multi.

CODE	TYPE	PRICE
4485	Dremel Collet Nut Kit	. £11.99

3 JAW CHUCK FOR DREMEL MULTI & B&D WIZARD an auto-

matic 3 jaw chuck for use with the B & D Wizard and Dremel Multi.

CODE	TYPE	<b>PRICE</b>
A5318	3 Jaw Chuck for Wizard/Dremel Multi	£9.99

# **CHUCK KEYS**

**CHUCK KEYS** replacement chuck keys to suit Jacobs chucks, Manufactured from SAE1008 steel, hardened and tempered to HRc35-40. 92451 suits chucks:-

8MCG, 10MCG, 8SDC, 10SCG, MC2, MC8 Series. 92485 suits chucks:- MC4 Series, 13MC30, 13SC30, 30, 30B, 30-1A,31, 31B, UB3 Series.

CODE	TYPE	PRICE
92451	Chuck Key DK10	£2.70
92485	Chuck Key DK30	£3.79