



AMP TEKNIK A/S

Glentevej 33 - 4600 Køge - Danmark

Tlf.: (0045)-48183089 Fax: (0045)-48183387

E-mail: info@amp-teknik.dk

www.amp-teknik.dk

introduction



DIAMOND TOOLS

Electroplated, electroformed, metal bonded and resin bonded diamond tools are used on various materials because of very fast clean cutting, long life, versatility of design and relatively low cost.

INFORMATION

The information in this catalogue is given as a guide only and we reserve the right to alter, amend and delete prices, specifications and product availability without prior notice.

AMP TEKNIK A/S

Glentevej 33 - 4600 Køge - Danmark
Tlf.: (0045)-48183089 Fax: (0045)-48183387
E-mail: info@amp-teknik.dk

product index

Page No.

A

ACCESSORIES	36
Air Belt Polishers	34
Angle Saw, AS70	30
Angle Saw, AS100	30
Angle Saw, AS125	31
Angle Grinder, AS100	31

B

Bandsaw Blades	7
Belts	16
Bosch Jigsaw Machine	32

C

Continuous Rim Saws	2,6
Countersinks	13
Counterbores	12
Corrugated Toothed Saw	5

CUTTING	1-7
----------------	-----

D

Discs	17
Dia-Dry Discs	17
Dia-Met Hand Pads	21
Dome Ended Routers	14
Drill Countersinks	13

DRILLING	8-13
-----------------	------

E

Electroflex - Pads, Drums, Discs, Hand Files	20,22-23
Electroflex Hand Pads	21

F - G

Fein - Multimaster MM 700, Blades & Pads	6, 35
Grasso Router	16

GRINDING	17-23
-----------------	-------

GRP/GRE Pipes	25
Gulleted Saws	4

H - I - J - K - L

Hand Files	20
Hand Pads	21

HAND MACHINES

Hi-Di Routers	16
Holesaws & Accessories	8-9
Integral Spindle Saws	6
Jigsaw Blades	7

M - N - O

Metal Bond Core Drills	10
Needle Files	19
Oil Mist Lubricator	36

P - Q

Parallel Routers	15
Plastic Wedges	36
Piercing Routers	16
Pneumatic Wet Polisher	33
Pyramid Vanity Saws	5

R

Replating Service	37
Routers	29
Routing Machine, SE50	29

ROUTING	14-16
----------------	-------

S - T

Saws	1-6
SE20 Trimming Machine	28
SE50 Routing Machine	29
Side Spoke Saws	3

SPECIALS	24-27
-----------------	-------

Surface Planers	18
-----------------	----

Technical Specification	38-39
--------------------------------	-------

Titan Dry Grind Discs	17
Twist Drills	12

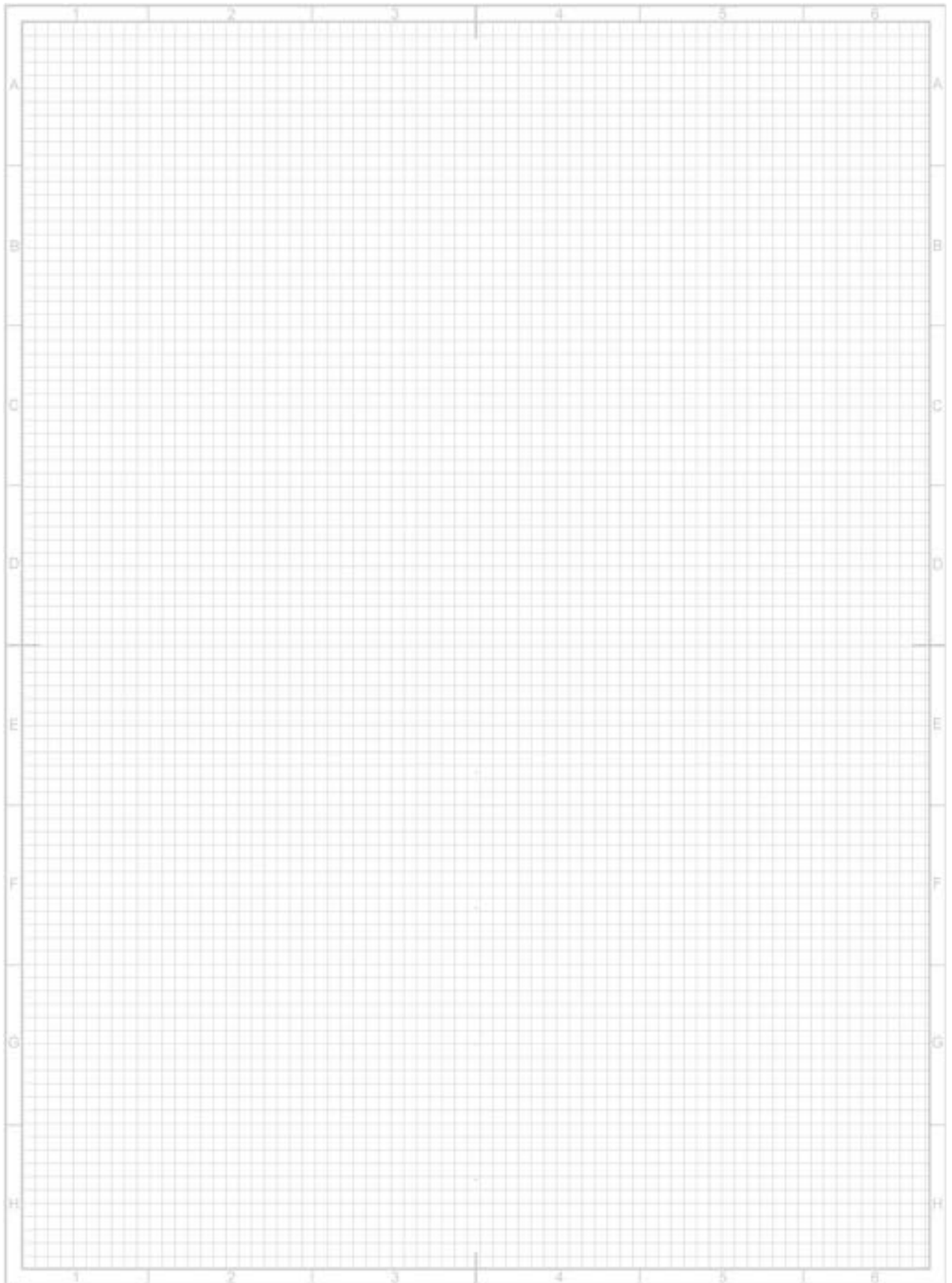
U - V

Vanity Saws, Pyramid	5
Vortex Cutters	18

W - X - Y - Z

Water Chucks	11
Wedges	36
Wind Turbine Industry	27

notes



DIAMOND SAWS FOR THE COMPOSITES INDUSTRY

APPLICATIONS

<i>CONTINUOUS RIM:</i>	For fast straight line cutting with long life - see page 2.
<i>SIDE SPOKE:</i>	Engineered to cut curves without jamming - see page 3.
<i>GULLETED:</i>	Fast cutting with gullets allowing cooling action - see page 4.
<i>PYRAMID:</i>	For straight line cutting and heavy duty trimming and grinding - see page 5.
<i>CORREGATED TOOTHED:</i>	Specialized blade for Carbon/Kevlar type materials - see page 5.
<i>INTEGRAL SPINDLE:</i>	Used for close intricate work - see page 6.
<i>OSCILLATING:</i>	For stock removal/trimming in awkward areas - see page 6.
<i>BANDSAW:</i>	High quality diamond bandsaw - see page 7.
<i>JIGSAWS:</i>	Free cutting with clean finish - see page 7.



CONTINUOUS RIM SAWS

For fast straight cutting of materials. Can be used in hand tools or on stationary machines at speeds between 1500 and 3000 surface metres per minute.

OPTIONS: Diameters — 25 - 700mm

NOTE:

Can be supplied in a variety of diamond grades and widths. Normally saws over 40mm diameter are coated with 3mm down the sides and the larger saws have a deeper coating. Saws are made with bore sizes to suit customers' requirements which should be stated on order.

Saws coated in 36/44 grit are approximately 0.4mm wider than nominal width.



**CONTINUOUS RIM
ELECTROPLATED DIAMOND BLADE**

CONTINUOUS RIM

DIAMETER (mm)	WIDTH (mm)	CODE 36/44	CODE 44/60
25	1.6	ESC005	ESC010
40	1.6	ESC025	*ESC030
50	1.6	ESC045	*ESC050
65	1.6	ESC065	*ESC070
70	1.6	ESC077	*ESC089
75	1.6	ESC085	*ESC090
100	1.6	*ESC135	*ESC140
100	2.4	ESC145	*ESC150
115	1.6	ESC164	*ESC166
115	2.4	*ESC167	ESC168
125	1.6	*ESC165	*ESC170
125	2.4	ESC175	*ESC180
150	2.4	ESC205	ESC210
180	2.4	ESC255	ESC260
200	2.4	ESC285	*ESC290
230	2.4	ESC305	*ESC310
250	3.2	ESC335	*ESC340
300	3.2	ESC355	*ESC360
350	3.2	ESC375	*ESC380
400	3.2	ESC405	ESC410
450	3.2	ESC425	ESC430
500	4	ESC455	ESC460
550	4.8	ESC475	ESC480

NOTE: Other sizes as well as alternative bore sizes are available, prices on request.

Technical Specification: Page 38

OTHER RELATED PRODUCTS

HAND MACHINES - Pages 30-31

SIDE SPOKE SAWS

This design allows the blade to cut curves without jamming or stalling the machine.

OPTIONS: Diameters — 25 - 700mm

Note:

Can be supplied in a variety of diamond grades and widths. Also with 3 or 4 side spokes each side. Normally supplied with 3 spokes each side. Larger sizes can be supplied with 4 spokes per side. Saws are made with bore sizes to suit customers' requirements which should be stated on order.

Saws coated in 36/44 grit are approximately 0.4mm wider than nominal width.

SIDE SPOKE		3 SPOKES EACH SIDE	
DIAMETER	WIDTH	CODE	CODE
(mm)	(mm)	36/44	44/60
25	1.6	ESS505	ESS510
40	1.6	ESS525	*ESS530
50	1.6	ESS535	*ESS540
65	1.6	ESS545	*ESS550
70	1.6	ESS552	*ESS553
75	1.6	*ESS555	*ESS560
100	1.6	*ESS565	*ESS570
100	2	ESS571	ESS572
115	1.6	ESS615	*ESS620
125	1.6	*ESS585	*ESS590
125	2.4	ESS595	ESS600
125	3.2	ESS605	ESS610
150	1.6	ESS625	ESS630
150	2.4	ESS635	ESS640
150	3.2	ESS645	ESS650
180	1.6	ESS655	ESS660
180	2.4	ESS665	ESS670
189	3.2	ESS675	ESS680
200	1.6	ESS685	ESS690
200	2.4	ESS695	ESS700
200	3.2	ESS705	ESS710
230	1.6	ESS715	ESS720
230	2.4	ESS725	ESS730
230	3.2	ESS735	ESS740
250	2.4	ESS745	ESS750
250	3.2	ESS755	ESS760
300	2.4	ESS765	ESS770
300	3.2	ESS775	ESS780

NOTE: Other sizes as well as alternative bore sizes are available, prices on request.

When ordering please state Code.



**ELECTROPLATED DIAMOND
SIDE SPOKE SAW**

Technical Specification: Page 38

OTHER RELATED PRODUCTS

HAND MACHINES - Pages 30 - 31

GULLETED SAWS

The gullets allow clearance and cool cutting. Ideal for fast aggressive cutting of sheets, pipes and all materials over 20mm thick.

OPTIONS: Diameters — 100 - 700mm

NOTE:

Can be supplied in a variety of diamond grades and widths. Normally saws are coated a minimum 3mm down the sides and are made with bore sizes to suit customers' requirements which should be stated on order.

Saws coated in 36/44 grit are approximately 0.4mm wider than nominal width.

Silent centre saws are available on request. These saws lower the level of noise produced.



**ELECTROPLATED DIAMOND
GULLETED BLADE**

GULLETED SAWS

DIAMETER (mm)	WIDTH (mm)	CODE 36/44	CODE 44/60
100	1.6	ESG405	*ESG410
100	2	ESG415	ESG420
125	1.6	ESG505	*ESG510
125	2.4	ESG515	ESG520
150	2.4	ESG545	ESG550
180	2.4	ESG565	ESG570
200	2.4	ESG595	ESG600
230	2.4	ESG615	ESG620
250	3.2	ESG645	ESG650
300	3.2	ESG665	ESG670
350	3.2	ESG685	ESG690
400	3.2	ESG715	ESG720
450	3.2	ESG755	ESG760
500	4	ESG805	ESG810
550	4.8	ESG855	ESG860

NOTE: Other sizes as well as alternative bore sizes are available, prices on request.

Technical Specification: Page 38

OTHER RELATED PRODUCTS

HAND MACHINES - Pages 30 - 31

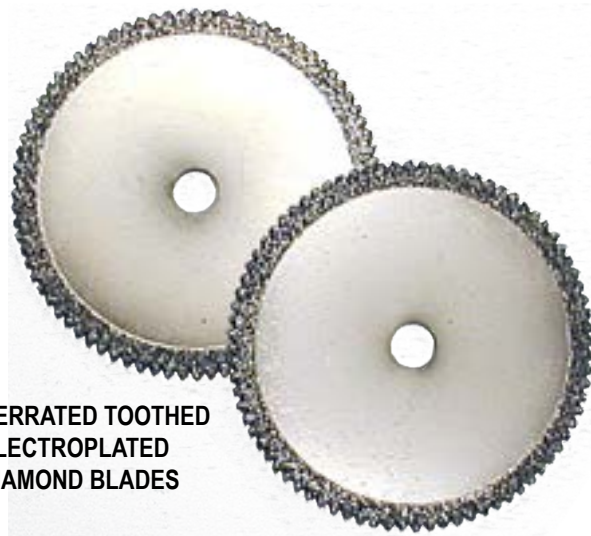
CORRUGATED TOOTHED SAW

Diamond coated 44/60 saw with serrated teeth for Kevlar®, Twaron® and Aramid fibres and also recommended for Carbon/Kevlar and Glass/Kevlar woven composite materials. The serrated teeth help to shear the fibre.

OPTIONS: Diameters — 50 - 200mm

CORRUGATED TOOTHED SAW

DIAMETER (mm)	WIDTH (mm)	CODE 44/60
50	1.6	*ESCK050A
65	1.6	ESCK070
75	1.6	ESCK090
100	1.6	ESCK140
125	1.6	ESCK170
200	1.6	ESCK280



**SERRATED TOOTHED
ELECTROPLATED
DIAMOND BLADES**

PYRAMID SAWS

For heavy duty hand trimming and sawing on GRP mouldings and other applications. Allows "side grinding" as well as cutting.

OPTIONS: Diameters — 100, 125 & 230mm
 Grade — 36/44

NOTE:

All saws are made with bore sizes to suit customers' requirements which should be stated when ordering. Saws coated in 36/44 grit are approximately 0.4mm wider than nominal width.

PYRAMID BLADE

DIAMETER (mm)	BORE (mm)	CODE 36/44
100	15.9	BSEV153C
125	22.2	*ESV183E

PYRAMID BLADE

M14 FITTING

DIAMETER (mm)	FITTING	CODE 36/44
125	M14	*ESVF183
230	M14	*BSEVF295

NOTE: Other sizes available, prices on request.



**DIAMOND CUTTING &
SIDE GRINDING BLADE**

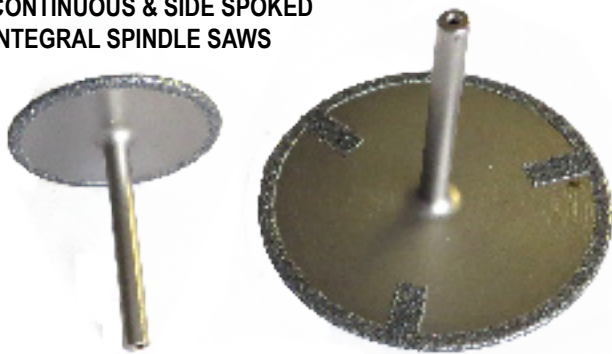
Technical Specification: Page 38

When ordering please state Code.

OTHER RELATED PRODUCTS

HAND MACHINES - Pages 30 - 31

CONTINUOUS & SIDE SPOKED INTEGRAL SPINDLE SAWS



CONTINUOUS RIMMED & PENDULUM OSCILLATING BLADES

Technical Specification: Page 38

OTHER RELATED PRODUCTS

SE20 AIR MACHINE - Page 28

FEIN MULTITALENT MACHINE - Page 35

INTEGRAL SPINDLE SAWS

Used where it is necessary to cut close into a corner and where a boss or locking nut would get in the way. The blade and spindle are made in one piece and present an absolutely flush side to the work.

OPTIONS:

Diameters	—	25 - 75mm
Configuration	—	Continuous Rim Side Spoke

NOTE:

Can be supplied in a variety of diamond grades and widths. All saws are coated a nominal 2mm down the sides. Please state shank diameter and length when ordering. Saws coated in 36/44 grit are approximately 0.4mm wider than nominal width. Other sizes available, prices on request.

CONTINUOUS RIM

DIAMETER (mm)	WIDTH (mm)	CODE 36/44	CODE 44/60
25	2	ESI505	*ESI510
40	2	ESI515	*ESI520
50	2	ESI525	*ESI530
65	2	ESI535	ESI540
75	2	ESI545	*ESI550

SIDE SPOKE

DIAMETER (mm)	WIDTH (mm)	CODE 36/44	CODE 44/60
25	2	ESIS705	ESIS710
40	2	ESIS715	ESIS720
50	2	ESIS725	ESIS730
65	2	ESIS735	ESIS740
75	2	ESIS745	ESIS750

FEIN OSCILLATING BLADES

For use on Supercut machines enabling you to cut 90° apertures in Composites and clearing material in hard to reach areas of the workpiece.

ELECTROPLATED BLADES

CODE	DESCRIPTION
ESC001	78mm diameter
*ESC002	Pendulum Saw

NOTE: Other sizes available, prices on request.

BANDSAW BLADES

Diamond coated bandsaws are made from high quality steel with the leading edge coated with diamond giving a continuous ribbon of aggressive cutting action. Both straight cut and curves can be easily achieved, bearing in mind the tighter the curve required, the narrower width of bandsaw needed.

Supplied ready welded to your exact required length or available in coils up to 39 metres long.

OPTIONS:

Continuous Coated

Castellated Edge (for thicker materials)

Blade Widths 12, 19, 25mm

BANDSAWS 12, 19 & 25mm Widths

GRADE

36/44
44/60
60/85
85/100
100/120
150/170
200/240

Tension Gauge



DIAMOND BANDSAW BLADES

JIGSAW BLADES

Diamond coated for free cutting with clean finish. Available for a range of machines in medium 44/60 or coarse 36/44 diamond.

OPTIONS:

Grades — 36/44 coarse & 44/60 medium

JIGSAW

TYPE	CODE	CODE
	36/44	44/60
Lesto Pendle/Bosch	*EJB020	*EJB010
Lesto Star	EJB040	EJB030
Black and Decker	EJB060	EJB050
RAC or Fein	EJB080	EJB070
Rockwell	EJB100	EJB090
Cengarette	EJB120	EJB110
Makita	EJB140	EJB130

Note: Longer jigsaw blades available on request.

When ordering please state Code.



36/44 & 44/60 GRIT JIGSAW BLADES

Technical Specification: Page 38

OTHER RELATED PRODUCTS

PNEUMATIC JIGSAW MACHINE - Page 32

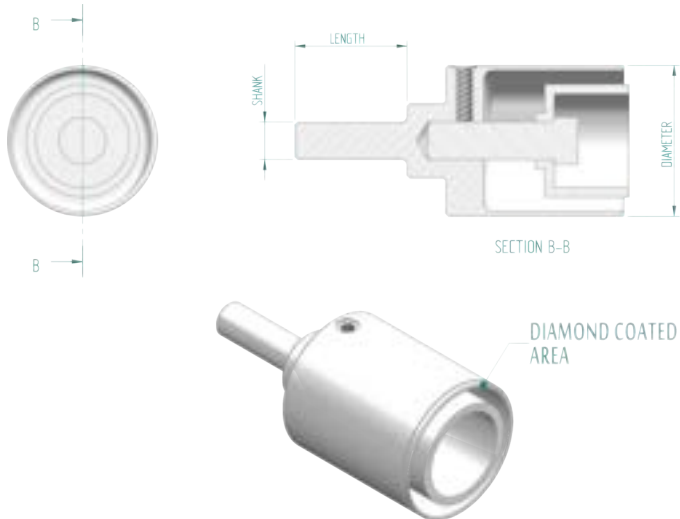
A wide selection of holesaws is available for both site and factory use when cutting holes in composites.



TYPE 1



TYPE 2



SPECIAL HOLESAWS

Type 1 - Automatic Side Ejection - provides a very rapid method of dry cutting holes in GRP mouldings and laminates.

Type 2 - Piloted with Spring Operated Core Ejection - for ease of location with core ejecting by means of a spring loaded plunger. HSS/Tungsten Carbide drill or plain pilot available.

Type 3 - Spring Core Ejection without Pilot - designed for holesaws under 25mm diameter where limited internal space is available and will not accommodate a standard internal spring plunger ejector. A spring loaded centre is incorporated for location purposes, which ejects the core when the hole is finished.

OPTIONS:

- Type — 1 - Automatic Side Ejection
2 - Piloted with Spring Operated Core Ejection
3 - Spring Core Ejection without Pilot

NOTE:

Grade 36/44 available, prices on request.
Prices include Plain or HSS Pilot Drills.
Prices are for cutting depths up to 19mm.
Tungsten Carbide drills are available on request

SPECIAL HOLESAWS - Grade 44/60

DIA. (mm)	CODE TYPE 1	CODE TYPE 2	CODE TYPE 3
12	EHS010A	EHS010S	EHS010C
16	EHS015A	EHS015S	EHS015C
19	EHS020A	EHS020S	EHS020C
22	EHS025A	EHS025S	EHS025C
25	EHS030A	EHS030S	
30	EHS035A	EHS035S	
32	EHS040A	EHS040S	
40	EHS045A	EHS045S	
45	EHS050A	EHS050S	
50	EHS055A	EHS055S	
57	EHS060A	EHS060S	
65	EHS065A	EHS065S	
70	EHS070A	EHS070S	
75	EHS075A	EHS075S	
82	EHS080A	EHS080S	
90	EHS085A	EHS085S	
95	EHS090A	EHS090S	
100	EHS095A	EHS095S	
108	EHS100A	EHS100S	
115	EHS105A	EHS105S	
120	EHS110A	EHS110S	
125	EHS115A	EHS115S	
133	EHS120A	EHS120S	
140	EHS125A	EHS125S	
145	EHS130A	EHS130S	
150	EHS135A	EHS135S	

NOTE: Other sizes available, prices on request.

STANDARD HOLESAWS

36/44

DIA. (mm)	CODE	DIA. (mm)	CODE
14	*EDH0096	57	*EDH0214
16	*EDH0058	59	*EDH0256
17	*EDH1016	60	*EDH0238
19	*EDH0034	64	*EDH0212
20	*EDH2532	65	*EDH0296
21	*EDH1036	67	*EDH0258
22	*EDH0078	70	*EDH0234
24	*EDH1056	73	*EDH0278
25	*EDH0100	76	*EDH0300
27	*EDH0116	79	*EDH0318
29	*EDH0118	83	*EDH0314
30	*EDH0136	86	*EDH0338
32	*EDH0114	89	*EDH0312
33	*EDH0156	92	*EDH0358
35	*EDH0138	95	*EDH0334
37	*EDH0176	98	*EDH0378
38	*EDH0112	102	*EDH0400
40	*EDH0196	105	*EDH0418
41	*EDH0158	108	*EDH0414
43	*EDH1116	111	*EDH0438
44	*EDH0134	114	*EDH0412
46	*EDH1136	121	*EDH0434
48	*EDH0178	127	*EDH0500
51	*EDH0200	140	*EDH0512
52	*EDH0216	152	*EDH0600
54	*EDH0218		

HOLESAWS ACCESSORIES

ARBORS

CHUCK SIZE	HEX. HANK SIZE	FITS HOLESAWS	CODE
(mm)	(mm)	(mm)	
9.5	8.75	14 - 30	*MSA0A1
13	11	32 - 152	*MSA0A2

PILOT DRILL

DESCRIPTION	CODE
Tungsten Carbide Drill - Ø 6.5mm	*MSAXA014C

EJECTOR SPRING

DESCRIPTION	CODE
Ejects slug out of holesaw	*MSA0A7

When ordering please state Code.

STANDARD HOLESAWS

(Starrett type fitting - Electroplated)

A range of holesaws coated in 36/44 diamond grit, that will rapidly cut through material leaving clean holes and giving long life.

OPTIONS:

Diameters — 14 - 152mm

NOTE:

Holesaws furnished without arbors unless specified. Standard drilling depths; with pilot and ejector spring 15mm, without pilot and ejector spring 30mm. Let us know if you require deeper drilling depth as we can quote on request.



STANDARD 36/44 GRIT DIAMOND HOLESAWS

A1 ARBOR

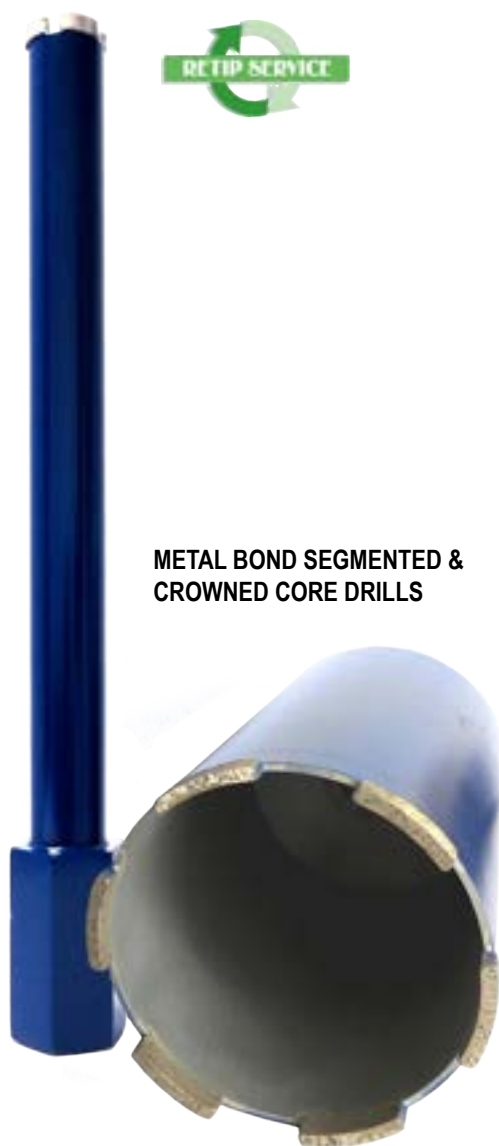
A2 ARBOR

Technical Specification: Page 38

NOTE: Other sizes available, prices on request.

METAL BOND DIAMOND CORE DRILLS

Heavy duty metal bond diamond segmented or crowned Core Drills for wet cutting clean holes in GRP/FRP containing high levels of Silicon. All types of shank fittings and different tube lengths area available.

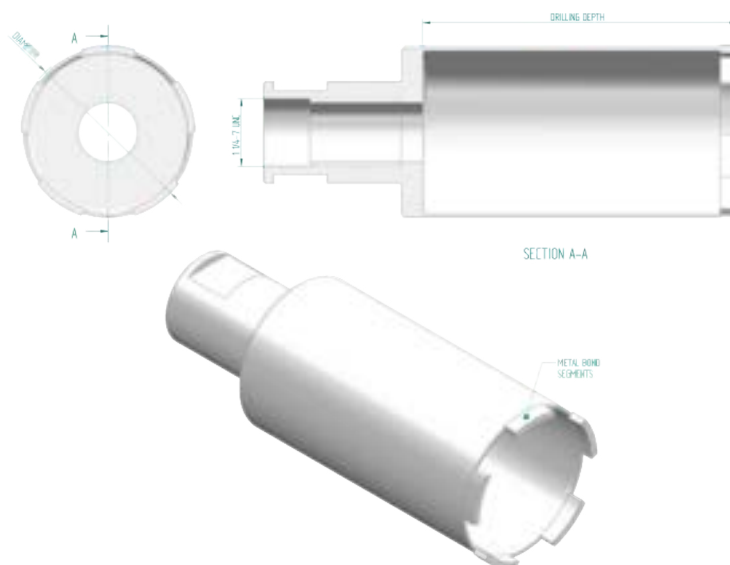


METAL BOND SEGMENTED & CROWNED CORE DRILLS

300mm OAL, 1 1/4" UNC

CODE	DIA. (mm)	CODE	DIA. (mm)
BMHP012	12	BMHP040	40
BMHP014	14	BMHP042	42
BMHP016	16	BMHP044	44
BMHP018	18	BMHP045	45
BMHP019	19	BMHP046	46
BMHP020	20	BMHP047	47
BMHP022	22	BMHP048	48
BMHP023	23	BMHP050	50
BMHP024	24	BMHP051	51
BMHP025	25	BMHP052	52
BMHP026	26	BMHP054	54
BMHP027	27	BMHP056	56
BMHP028	28	BMHP058	58
BMHP030	30	BMHP059	59
BMHP032	32	BMHP060	60
BMHP033	33	BMHP062	62
BMHP035	35	BMHP064	64
BMHP036	36	BMHP070	70
BMHP037	37	BMHP076	76
BMHP039	39	BMHP089	89

NOTE: Other sizes available, prices on request.



Technical Specification: Page 38

OTHER RELATED PRODUCTS

WATER CHUCKS - Page 11

DIAGRIT WATER CHUCKS

TYPE A - Heavy duty water chuck fits most popular pillar drills clamping directly onto the quill of the drilling machine enabling waterfeed through the centre of core drills.

TYPE B - Very popular Water Chuck fits most popular pillar drills enabling waterfeed through the centre of core drills.

BABY WATER CHUCK - A unique small water chuck is an easy answer to supplying water coolant to the working area when drilling holes with a hand held pistol drill. Available with all types of shank fittings. For use with standard holesaws.

HEAVY DUTY WATER CHUCK - Please call for details on our Heavy Duty Water Chucks as we can design to your specification.

DIAGRIT WATER CHUCK - TYPE A

CODE	DESCRIPTION
MMP004C	Continental ½" BSP

NOTE: When ordering specify Morse taper size and quill diameter.

DIAGRIT WATER CHUCK - TYPE B

CODE	DESCRIPTION
*MMPC05C	Continental ½" BSP
*MMPC05H	Habit

NOTE: When ordering please specify Morse taper size.

BABY WATER CHUCK

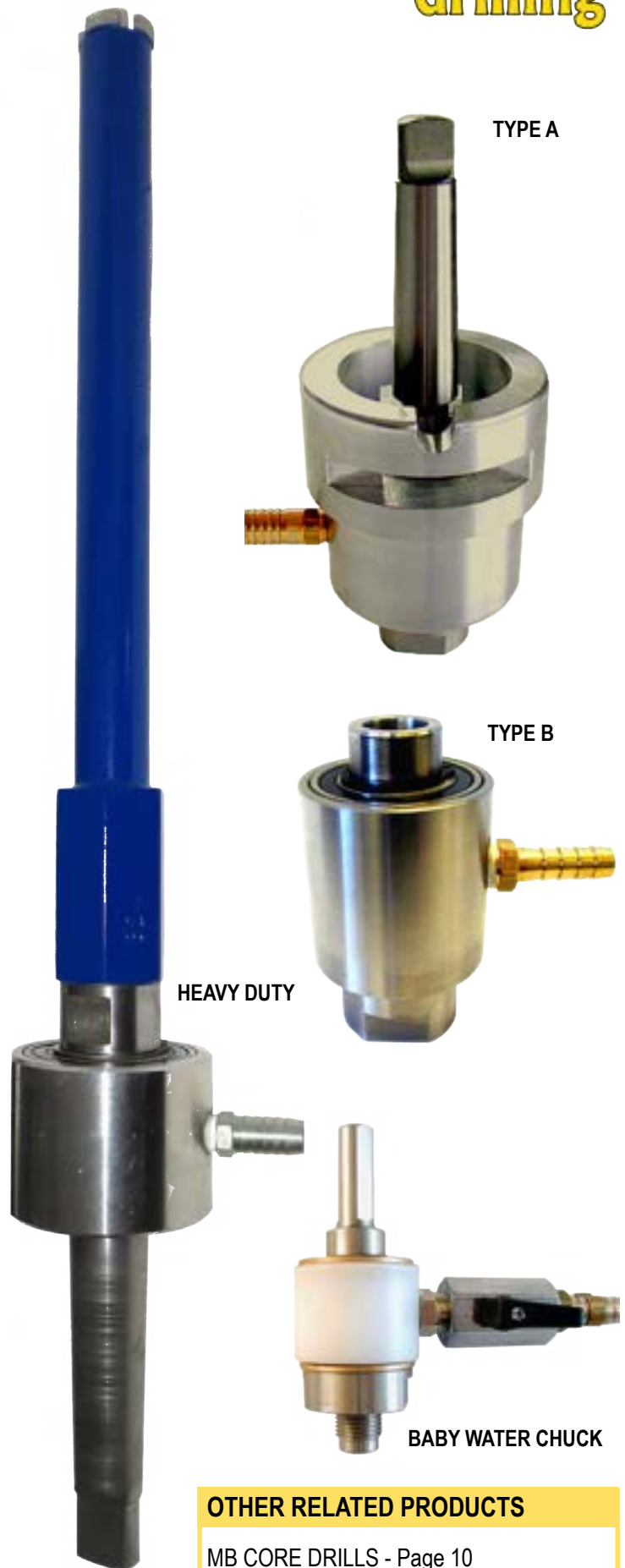
CODE	DESCRIPTION
*MMP008	Chuck complete with tap and pipe
*MSAXA014C	Extra carbide drills - ¼" diameter

NOTE: When ordering please specify required shank.

DIAGRIT HEAVY DUTY WATER CHUCK

CODE	DESCRIPTION
MMP	1½" UNC Fitting

When ordering please state Code.



OTHER RELATED PRODUCTS

MB CORE DRILLS - Page 10



**ELECTROPLATED DIAMOND
TWIST DRILLS**

TWIST DRILLS

OPTIONS:

Diameters	—	4 - 9.5mm
Grades	—	36/44 & 44/60

NOTE:

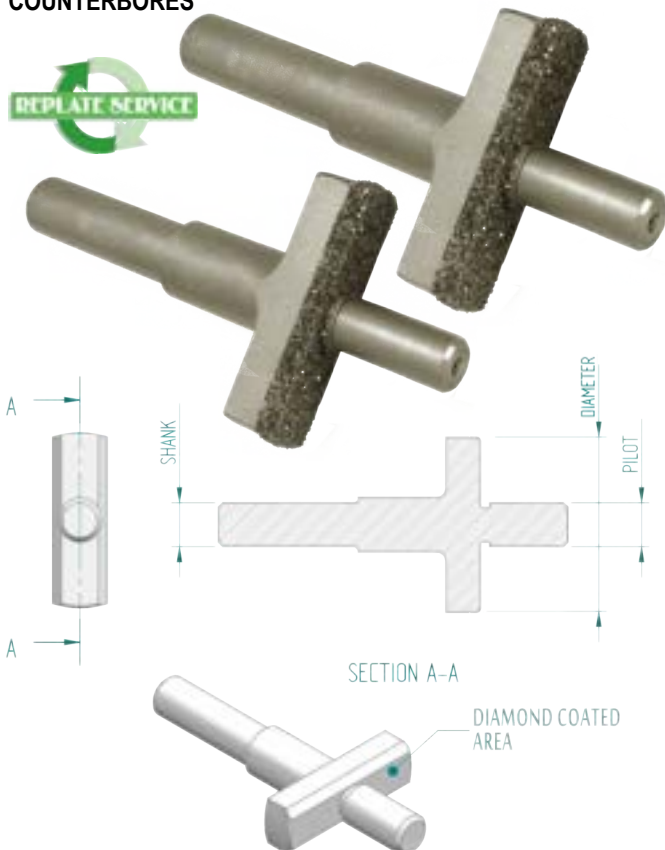
Other sizes and grades are available on request.

We also manufacture solid drills, details on request.

TWIST DRILLS

DIAMETER (mm)	CODE 36/44	CODE 44/60
4	EMP225	EMP230
4.5	EMP235	EMP240
5	EMP245	EMP250
5.5	EMP255	EMP260
6	EMP265	*EMP270
6.5	EMP275	*EMP280
7	EMP285	*EMP290
7.5	EMP295	EMP300
8	EMP305	*EMP310
8.5	EMP315	EMP320
9.5	EMP325	EMP330

COUNTERBORES



COUNTERBORES

OPTIONS:

Pilot	—	6, 8, 10, 16
Diameter	—	10 - 70mm
Grades	—	36/44 & 44/60

NOTE:

Other sizes available, prices on request.

When ordering please state; Diameter, Pilot, Shank Diameter.

For holes up to 6mm diameter, these tools can be used in Series 50 or 20. Over 6mm diameter portable or fixed drilling machines can be used or static routing machines. Counterbores are not adjustable and must be ordered to cover both bore and recess, and can be manufactured to counterbore any size hole between 10mm and 50mm diameters.

COUNTERBORES

DIAMETER (mm)	CODE 36/44	CODE 44/60
10	ECB310	ECB410
20	ECB320	ECB420
30	ECB330	ECB430
40	ECB340	ECB440
50	ECB350	ECB450
60	ECB360	ECB460
70	ECB370	ECB470

NOTE: Other sizes available, prices on request.

COUNTERSINKS - TYPE C



DIAMOND COUNTERSINKS

OPTIONS:

Diameters Type "A" — 4 - 12mm

Type "B" — 5.5 - 9mm

Grades 36/44 & 44/60

NOTE:

When ordering please state shank diameter.

Other sizes and grades are available on request.

Can be manufactured to your specification.

TYPE "A"

PILOT DIAMETER "P" (mm)	CODE 36/44	CODE 44/60
4	ECKA3040	ECKA4040
4.5	ECKA3045	ECKA4045
5	ECKA3050	ECKA4050
5.5	ECKA3055	ECKA4055
6	ECKA3060	ECKA4060
9.5	ECKA3095	ECKA4095
10	ECKA3100	ECKA4100
11	ECKA3110	ECKA4110
12	ECKA3120	ECKA4120

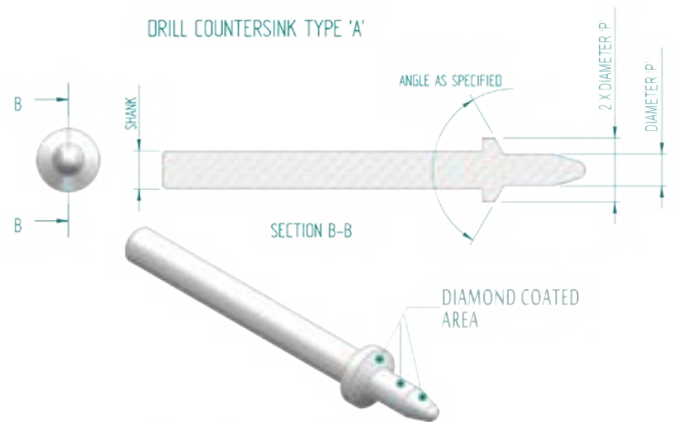
TYPE "C" WITH PLAIN PILOT

DIAMETER "A" (mm)	CODE 36/44	CODE 44/60
4	ECKC3040	ECKC4040
4.5	ECKC3045	ECKC4045
5	ECKC3050	ECKC4050
5.5	ECKC3055	ECKC4055
6	ECKC3060	ECKC4060
9.5	ECKC3095	ECKC4095
10	ECKC3100	ECKC4100
11	ECKC3110	ECKC4110
12	ECKC3120	ECKC4120

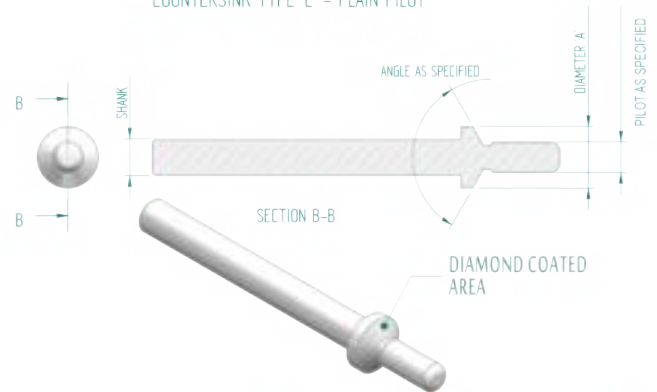
TYPE "D" ANGLE 90°

DIAMETER "A" (mm)	BOLT SIZE	CODE 36/44	CODE 44/60
6.5	M3	ECKD3065	ECKD4065
11	M5	ECKD3110	ECKD4110
13	M6	ECKD3130	ECKD4130
17	M8	ECKD3170	ECKD4170
22	M10	ECKD3220	ECKD4220
25	M12	ECKD3250	ECKD4250

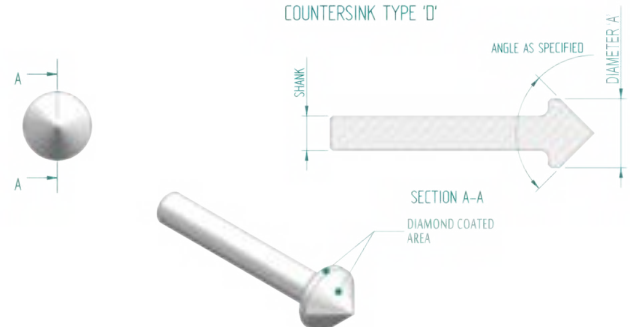
DRILL COUNTERSINK TYPE 'A'



COUNTERSINK TYPE 'C' - PLAIN PILOT



COUNTERSINK TYPE 'D'



routing

We offer a range of diamond routers to encompass the majority of applications in the GRP/FRP Composites Industry. The high quality routers are available in various sizes and diamond grades. We can also manufacture these routers to your specific requirements.



DOMED ENDED ROUTERS

DOMED ENDED ROUTERS

Designed for drilling, routing, rebating and trimming Glass Reinforced Plastic or similar materials.

Developed to perform many different functions from trimming the unwanted section off fibreglass mouldings to routing deep rebates in laminates.

OPTIONS:

Type Standard (Figure 1)
Coated to Shoulder (Figure 2)

Diameters

Diamond Coating 'A' diameter — 4, 6, 8mm
Shank "D" diameter — 6, 8mm

Diamond Coating Length 'B' — 13, 19mm

Grades — 36/44 & 44/60

NOTE:

Diameter "A" 4mm are tapered.

FIGURE 1

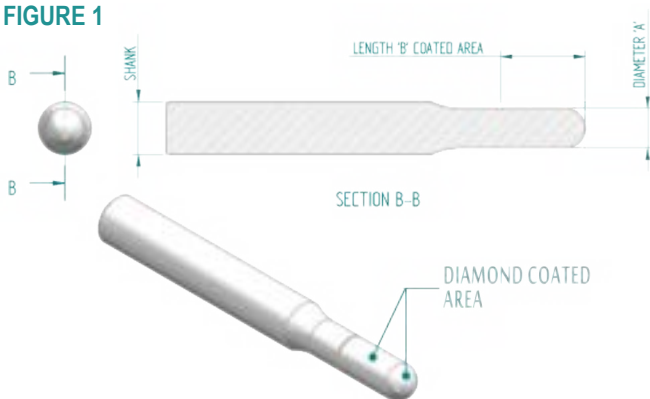
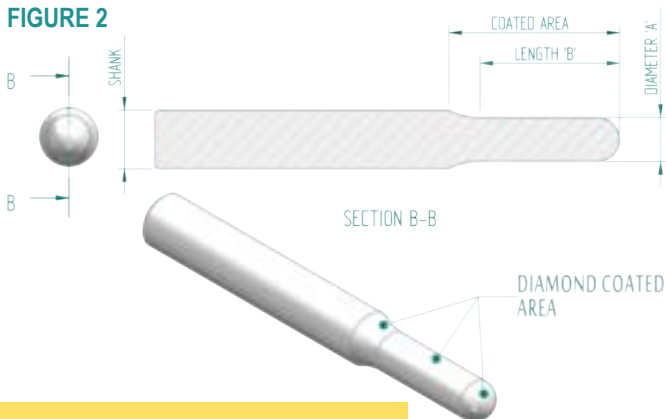


FIGURE 2



STANDARD FIGURE 1

DIAMOND COATING	SHANK	CODE	CODE
Dia. "A"	Length "B"	Dia. "D"	
4	13	6	*ERD020
6	13	6	*ERD210
6	19	6	*ERD230
8	13	6	*ERD250
8	19	6	ERD270
8	13	8	ERD290
8	19	8	ERD310
			ERD280
			ERD300
			ERD320

COATED TO SHOULDER FIGURE 2

DIAMOND COATING	SHANK	CODE	CODE
Dia. "A"	Length "B"	Dia. "D"	
4.8	13	6	ERD030
4.8	19	6	*ERD410
			*ERD040
			*ERD420

NOTE: Other sizes available, prices on request.

When ordering please state Code.

Technical Specification: Page 38

OTHER RELATED PRODUCTS

SE 50 ROUTER MACHINE - Page 29

PARALLEL ROUTERS

Designed for drilling, routing, rebating and trimming Glass Reinforced Plastic or similar materials. Developed to perform many different functions from trimming the unwanted section off fibreglass mouldings to routing deep rebates in laminates and other materials.

OPTIONS:

Type Flat End
 Relieved End (Figure 2)

Diameters — 4 - 25mm

Diamond Coating Length "B" — 12.5, 19 & 25mm

Grades — 36/44 & 44/60

NOTE:

Standard grade of diamond 44/60 but where speed of cut is more important than finish use 36/44.

Other grades and sizes available on request.

When ordering please state Code and Size of Shank required. We will supply as Flat End type, unless otherwise requested.

PARALLEL ROUTERS TYPE ERP

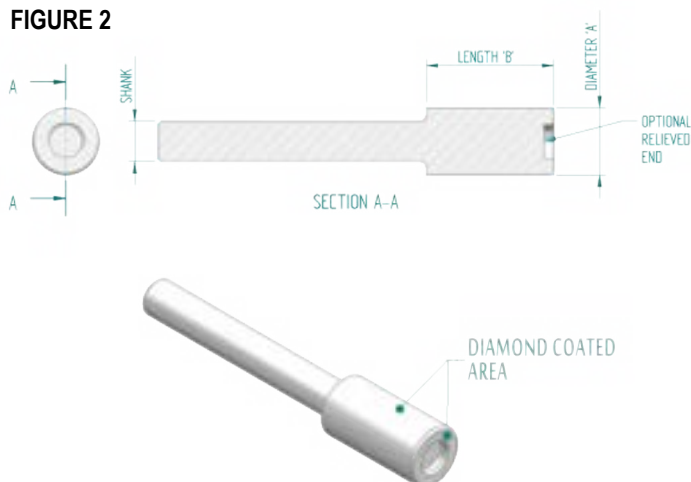
DIAMOND COATING		CODE	CODE
Dia. "A"	Length "B"	36/44	44/60
4	12.5		*ERP505
5	12.5	ERP510	ERP515
5	19	ERP520	ERP525
5	25	ERP530	ERP535
6	12.5	ERP540	*ERP545
6	19	*ERP550	ERP555
6	25	*ERP560	*ERP565
8	12.5	ERP570	ERP575
8	19	ERP580	ERP585
8	25	ERP590	ERP595
10	12.5	ERP600	ERP605
10	19	ERP610	ERP615
10	25	ERP620	ERP625
12.5	12.5	ERP630	ERP635
12.5	19	ERP640	ERP645
12.5	25	ERP650	ERP655
16	12.5	ERP660	ERP665
16	19	ERP670	ERP675
16	25	ERP680	ERP685
19	12.5	ERP690	ERP695
19	19	ERP700	ERP705
19	25	ERP710	ERP715
25	12.5	ERP720	ERP725
25	19	ERP730	ERP735
25	25	ERP740	ERP745

NOTE: Other sizes available, prices on request.



PARALLEL ROUTERS

FIGURE 2



Technical Specification: Page 38

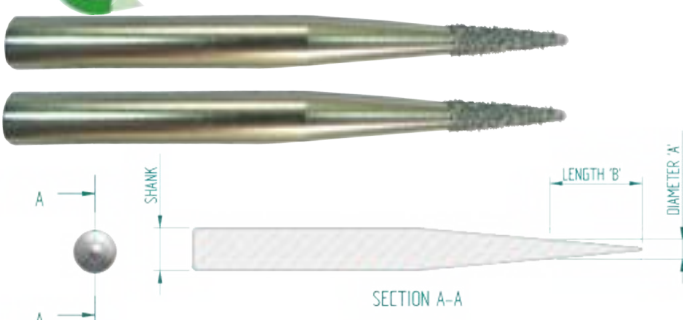
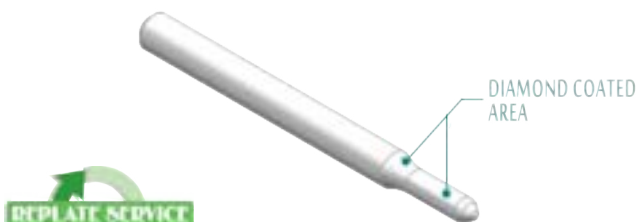
OTHER RELATED PRODUCTS

SE 50 ROUTER MACHINE - Page 29

routing



PIERCING ROUTERS



HI-DI ROUTER

GRASSO ROUTER



Technical Specification: Page 38

OTHER RELATED PRODUCTS

SE 50 ROUTER MACHINE - Page 29

PIERCING ROUTERS

Piercing routers or solid drills are usually used for drilling and routing Reinforced Plastic mouldings or laminate.

OPTIONS:

Grade — 36/44, 44/60

NOTE:

The standard grade is 44/60. Where speed of cut is more important than finish use 36/44. Shank "D" dia. 6mm.

Other sizes and grades available on request.

PIERCING ROUTERS

DIAMOND COATING		CODE	CODE
Dia. "A"	Length "B"	36/44	44/60
4	13		ERDP40401
6	13	ERDP30601	ERDP40601
6	19	ERDP30602	ERDP40602
8	13	ERDP30801	ERDP40801
8	19	ERDP30802	ERDP40802
8	13	ERDP30803	ERDP40803
8	19	ERDP30804	ERDP40804

HI-DI ROUTER

Our diamond coated routers have been developed over the years to perform many varied functions from trimming unwanted section off fibreglass mouldings to routing deep rebates in laminates of all kinds.

NOTE:

The standard grade is 44/60. Where speed of cut is more important than finish use 36/44.

Other sizes and grades available on request

HI-DI ROUTER

DIAMOND COATING		SHANK	CODE
Dia. Top mm	Length mm	Dia. mm	44/60
"A"	"B"	"D"	
3.5	12.7	6	*ERD135

GRASSO ROUTER

Small diameter router for intricate work on Composite and similar materials.

GRASSO ROUTER

DIAMOND COATING		SHANK	CODE
Dia. Top mm	Length mm	Dia. mm	44/60
"A"	"B"	"D"	
3.5	12.7	3	*ERD003

NOTE: Other sizes available, prices on request.

ELECTROPLATED DIA-DRY DISCS

Designed to provide a rapid continuous grinding of Reinforced Plastic and similar materials, with long life.
Made for dry use but can be used wet. Recommended speed 8,000 to 12,000 rpm.

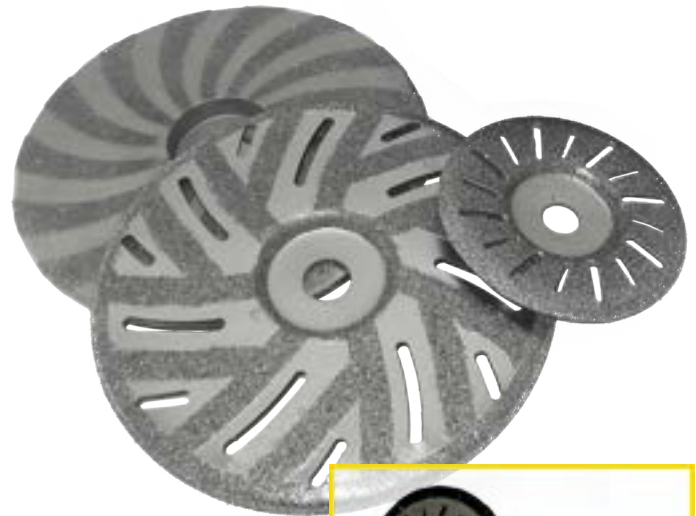
OPTIONS:

Diameters — 100, 180mm

Grades — 36/44, 44/60 & 60/85

DIA-DRY DISCS

DIAMETER (mm)	FITTING	GRADE	CODE
100	16mm bore	36/44	*EMP110
100	16mm bore	44/60	*EMP115
100	16mm bore	60/85	EMP120
100	M14	36/44	EMP112
100	M14	44/60	EMP117
180	22.2mm bore	36/44	*EMP150



**ELECTROPLATED DIAMOND
DIA-DRY DISCS**



TITAN DRY GRINDING DISCS

Developed with vacuum brazed diamond for rapid stock removal.

OPTIONS:

Diameters — 115mm & 178mm

Grade — 40

NOTE:

Fits directly onto an angle grinder.

TITAN DISCS GRADE 40

DIAMETER (mm)	FITTING	CODE
115	22.2mm bore	*BMW075
178	22.2mm bore	*BMW085



**VACUUM BRAZED DIAMOND
TITAN DRY GRIND DISCS**

Technical Specification: Page 38

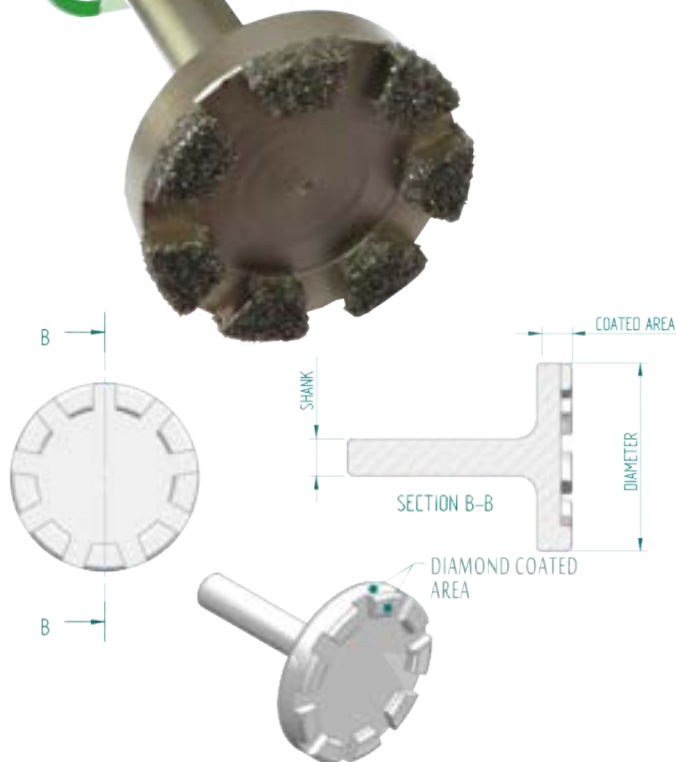
When ordering please state Code.

OTHER RELATED PRODUCTS

AS100 ANGLE GRINDER MACHINE - Page 31



FLAT MACHINING SURFACE PLANERS



SURFACE PLANERS

Designed to be used in a heavy duty routing machine for machining flat surfaces on Reinforced Plastic mouldings or blocks of laminate. The cutting edge is castellated to facilitate removal of swarf from the cutting face.

OPTIONS:

Diameters — 40, 50, 65 & 75mm
Grades — 30/36, 36/44 & 44/60

NOTE:

Standard grade 44/60, for rapid stock removal 36/44 or 30/36 for abrasive materials.

SURFACE PLANERS

DIAMETER (mm)	CODE 36/44	CODE 44/60
40	ESP005	ESP010
50	ESP015	ESP020
65	ESP025	ESP030
75	ESP035	ESP040



VORTEX CUTTER

VORTEX CUTTERS

The ideal tool for opening up, elongating and machining oval holes.

OPTIONS:

Diameters — 25, 50 & 75mm
Grades — 36/44 & 44/60

Alternative sizes can be manufactured in both parallel or tapered types.

VORTEX CUTTERS PARALLEL TYPE

CODE	SIZE	GRADE
EMP050	25mm x 32mm	44/60
EMP040	50mm x 32mm	44/60
EMP045	50mm x 32mm	36/44
EMP052	75mm x 32mm	36/44

NOTE: Other sizes available, prices on request.

NEEDLE FILES

A full range of quality diamond coated needle files is available in the most popular shapes and grits, fine, medium and coarse.

ELECTROPLATED DIAMOND FILES

TYPE NO.	CODE	GRIT SIZE	DESCRIPTION
----------	------	-----------	-------------







Tapered

TF1	*ENF020	120/150	Taper Flat
TF3	*ENF080	120/150	3 Square
TF5	*ENF140	120/150	Square
TF6	*ENF170	120/150	Round
TF9	*ENF260	120/150	Half Round

Parallel

PF10	*ENF290	120/150	Hand
------	---------	---------	------

Handle

	Taper Flat		Round
	3 Square		Half Round
	Square		Hand (Parallel)



NOTE:

When ordering please state Code.

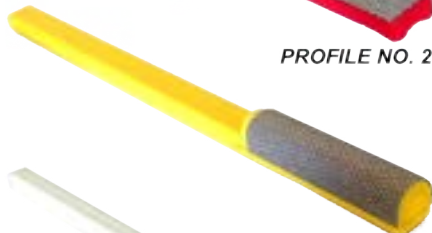
ELECTROFLEX HAND FILES



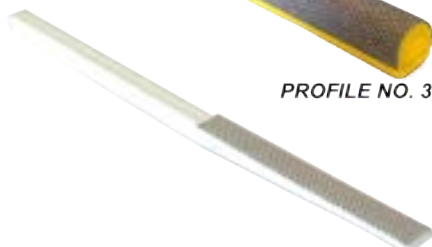
PROFILE NO. 1



PROFILE NO. 2



PROFILE NO. 3



PROFILE NO. 4



NARROW BELTS FOR
GRINDING & DEBURRING

HAND FILES

General purpose files supplied in sets of 4 different profiles.

OPTIONS:

Size — 155mm Overall length.
Metal Grades — M120 - M800 grit

ELECTROFLEX FILES SET OF 4

CODE	GRADE
*BEP840	Black M120
*BEP845	Red M200
*BEP850	Yellow M400
*BEP855	White M800

NARROW DIAMOND BELTS

Designed for dry grinding and deburring reinforced plastic and similar materials.

OPTIONS:

Length — 305 - 610 mm
Width — 8 - 13 mm
Metal Grades — 60 - 400 grit

NOTE: Other sizes available on request.

ELECTROFLEX BELTS 305 x 13 mm Wide

CODE	GRADE
BEPN695A	M60
BEPN695C	M120
BEPN695D	M200
BEPN695E	M400

ELECTROFLEX BELTS 610 x 13 mm Wide

CODE	GRADE
BEPN795A	M60
BEPN795C	M120
BEPN795D	M200
BEPN795E	M400

OTHER RELATED PRODUCTS

AIR BELT POLISHERS - Page 34

CUSHIONED FLEXIBLE HAND PADS

Ideal for smoothing the edge of Reinforced Plastic moulding.
Shaped foamed backing for comfortable grip. Colour coded foam backing for easy grade identification.

OPTIONS:

Size — 90 x 55 mm & 100 x 55 mm
Metal Grades — Electroflex M60 - M1800 grit

ELECTROFLEX HAND PADS 90 x 55mm

CODE	GRADE
*BEPN202	Green M60
*BEPN212	Black M120
*BEPN217	Red M200
*BEPN222	Yellow M400

ELECTROFLEX HAND PADS 100 x 55mm

CODE	GRADE
*BEPN200	Green M60
*BEPN210	Black M120
*BEPN215	Red M200
*BEPN220	Yellow M400



ELECTROFLEX CUSHIONED HAND PADS

DIA-MET HAND PADS

A rigid hand pad with aggressive stock removal for hand grinding reinforced plastic and similar materials.

OPTIONS:

Size — 95 x 55mm
Grades — Green M60, Black M120, Red M200

DIA-MET HAND PADS 95 x 55mm

CODE	GRADE
*BHP005	Green M60
*BHP010	Black M120
*BHP015	Red M200



DIA-MET RIGID HAND PADS

When ordering please state Code.

grinding

QRS FEIN PADS



OTHER RELATED PRODUCTS

FEIN MULTITALENT MACHINE - Page 35
FEIN BACKUP PADS - Page 35

ELECTROFLEX PADS

Flexible pads are used for removing sharp edges, arrising and bevelling. They have a quick release backing (QRS) for rapid change of pad.

Available in various sizes with or without water holes.

OPTIONS:

Metal Grades — Electroflex 60 - 400 grit

NOTE:

Other sizes and grades available on request.

FEIN TRIANGLE ELECTROFLEX QRS

CODE	GRADE
*BEPN890A	M60
*BEPN890C	M120
*BEPN890D	M200
*BEPN890E	M400

ELECTROFLEX DRUMS

M14 Drums with central waterfeed for wet polishing.

OPTIONS:

Diameters — 50 & 75 mm
Metal Grades — Electroflex 60 - 400 grit

Ø50 x 42mm Wide

CODE	GRADE
*BEPN493N	M60
*BEPN495N	M120
*BEPN500N	M200
*BEPN505N	M400

Ø75 x 50mm Wide

CODE	GRADE
*BEPN520A	M60
*BEPN520C	M120
*BEPN520D	M200
*BEPN520E	M400

QRS BACKING DISCS (VELCRO™)

Quick release discs for grinding Reinforced Plastic and similar materials. Colour coded for easy grade identification.

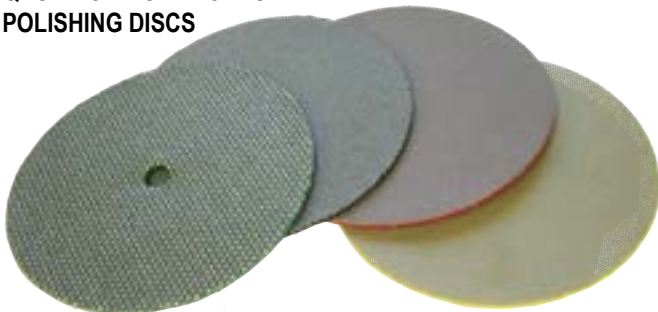
ELECTROFLEX DIAMOND DISCS Ø100mm x 10mm Bore

CODE	GRADE
*BEPN069A	M60
*BEPN069C	M120
*BEPN069D	M200
*BEPN069E	M400
*MMP070	QRS Backup Pad Ø100mm



M14 FITTING
ELECTROFLEX DRUMS

QRS BACKING ELECTROFLEX POLISHING DISCS



OTHER RELATED PRODUCTS

Q-6R PNEUMATIC MACHINE - Page 33

Technical Specification: Page 38

Ø100mm M14 BACKED DISCS

ELECTROFLEX DISCS

CODE	GRADE
*BEPN080	M60
*BEPN090	M120
*BEPN095	M200
*BEPN100	M400

D-LOC DISCS

Quick release discs for grinding Composites.
Colour coded for easy grade identification.

OPTIONS:

Diameter	—	25, 50 & 75 mm
Metal Grades	—	Electroflex 60 - 400 grit Electroplus 60 - 800 grit

D-LOC DISCS Ø25mm

CODE	GRADE
*BEPN900A	M60
*BEPN900C	M120
*BEPN900D	M200
*BEPN900E	M400

D-LOC DISCS Ø50mm

CODE	GRADE
*BEPN910A	M60
*BEPN910C	M120
*BEPN910D	M200
*BEPN910E	M400

D-LOC DISCS Ø75mm

CODE	GRADE
BEPN915A	M60
BEPN915C	M120
BEPN915D	M200
BEPN915E	M400

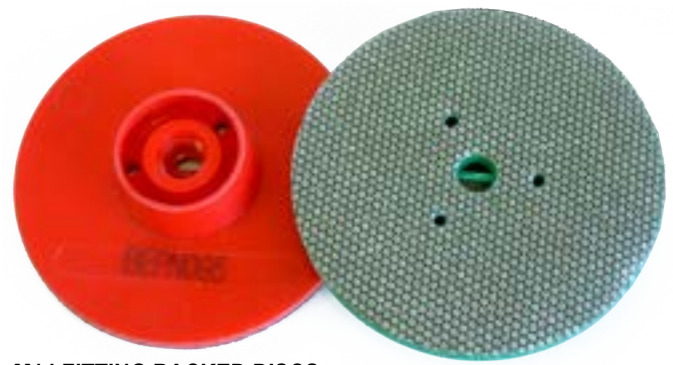
D-LOC MANDRELS

Quick release backup pads and shaft for D-Loc Discs.

BACKUP PAD

CODE	DIAMETER
*BES900	Ø25mm
*BES910	Ø50mm
BES915	Ø75mm

When ordering please state Code.



M14 FITTING BACKED DISCS

OTHER RELATED PRODUCTS

Q-6R PNEUMATIC MACHINE - Page 33



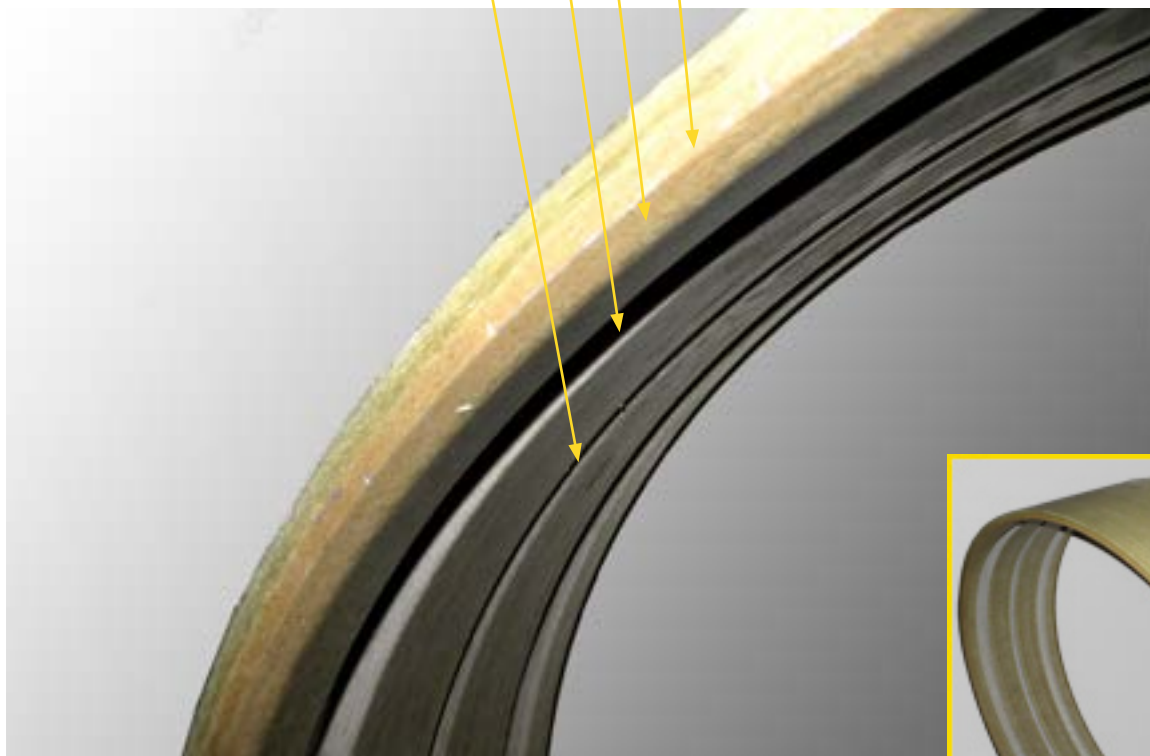
D-LOC DISCS & MANDRELS

Technical Specification: Page 38



SPECIAL TOOLS

Special tools for a range of calibration wheels, drills, saws, routers and holesaws, specifically for the GRP/FRP Pipe Industry as well as for the Wind Turbine Industry can be designed and manufactured to your specification. Get in touch with your bespoke Diamond Tooling needs!



GRP/GRE PIPE SECTION



GRP/GRE PIPES

These tools can be used for both Continuous/Discontinuous Filament Wound Pipe and Centrifugal Cast Pipe.

We also hold a large stock for immediate despatch of Reka Coupling, Locking Bell and Spigot Joint tooling, Online and Offline Calibration Drums and Threading wheels.



DIAMOND SAWS

CODE	SIZE
*ESG601M	Ø200 x 4.2 x Ø76 bore
*ESG602M	Ø210 x 4.2 x Ø76 bore
*ESG603M	Ø215 x 4.2 x Ø76 bore
*ESG604M	Ø225 x 4.2 x Ø76 bore
*ESG606M	Ø230 x 4.2 x Ø76 bore
*ESG3573	Ø235 x 4.2 x Ø76 bore
*ESG605M	Ø250 x 4.2 x Ø76 bore
*ESG4290	Ø300 x 3.6 x Ø40 bore
ESG705	Ø400 x 3.6 x Ø50 bore
*ESG705X	Ø400 x 3.6 x Ø40 bore



CALIBRATION DRUMS

CODE	SIZE	COATING
*EMW3845	Ø250 x 156 x 45	60%
*EMW00002	Ø250 x 156 x 45	100%

CALIBRATION DRUM & CHAMFERING RING

CHAMFER RING

CODE	SIZE	COATING
*EMW3844	Ø263 x 31 x 192	60%
*EMW00001	Ø263 x 31 x 192	100%



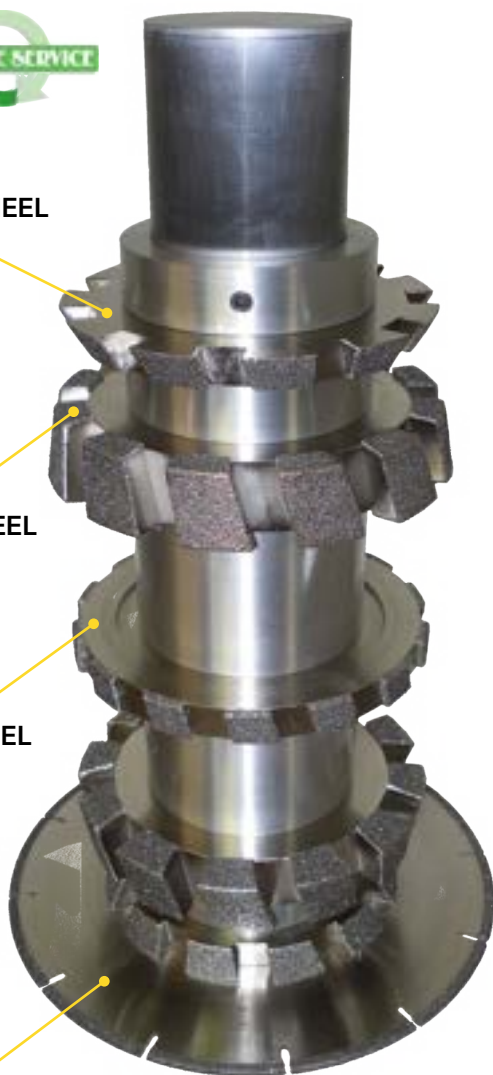


CHAMFER WHEEL

GROOVE WHEEL

STOP WHEEL

DIAMOND SAW



REKA 150

DESCRIPTION	CODE	SIZE	QTY
Stop	EMW0642	Ø 100 - 150	1
Groove	EMW0992	Ø 100 - 150	2
Chamfer	*EMW0640	Ø 100 - 150	2
Saw	ESG0643	Ø 100 - 150	1

REKA 175

DESCRIPTION	CODE	SIZE	QTY
Stop	EMW0642	Ø 200 - 250	1
Groove	*EMW0641	Ø 200 - 250	2
Chamfer	*EMW0640	Ø 200 - 250	2
Saw	*ESG0655	Ø 200 - 250	1

REKA 270

DESCRIPTION	CODE	SIZE	QTY
Stop	*EMW0112	Ø <600mm	1
Groove	*EMW1159	Ø <600mm	2
Chamfer	*EMW0110	Ø <600mm	2
Saw	*ESG601M	Ø <600mm	1
Saw	*ESG602M	Ø <600mm	1
Saw	*ESG603M	Ø <600mm	1

REKA 330

DESCRIPTION	CODE	SIZE	QTY
Stop	*EMW0112	Ø >600mm	1
Groove	*EMW1158	Ø >600mm	2
Chamfer	*EMW0110	Ø >600mm	2
Saw	*ESG603M	Ø >600mm	1
Saw	*ESG604M	Ø >600mm	1
Saw	*ESG605M	Ø >600mm	1

REKA 365

DESCRIPTION	CODE	SIZE	QTY
Stop	*EMW0112	VLDP	1
Groove	*EMW2673	VLDP	2
Chamfer	*EMW0110	VLDP	2
Saw	*ESG604M	VLDP	1
Saw	*ESG606M	VLDP	1
Saw	ESG3573M	VLDP	1
Saw	*ESG605M	VLDP	1

WIND TURBINE INDUSTRY

We can offer a range of holesaws up to **950mm** in diameter, surface planers and large diameter saws of up to **700mm** for blade root trimming. All of these tools are available in various diamond grades to suit your specific application. Please contact us to discuss your requirements.

Additionally to the above we can also offer a strip, replate and retipping service for your used electroplated and metal bond tools. This could save you up to **40%** on your tooling costs.

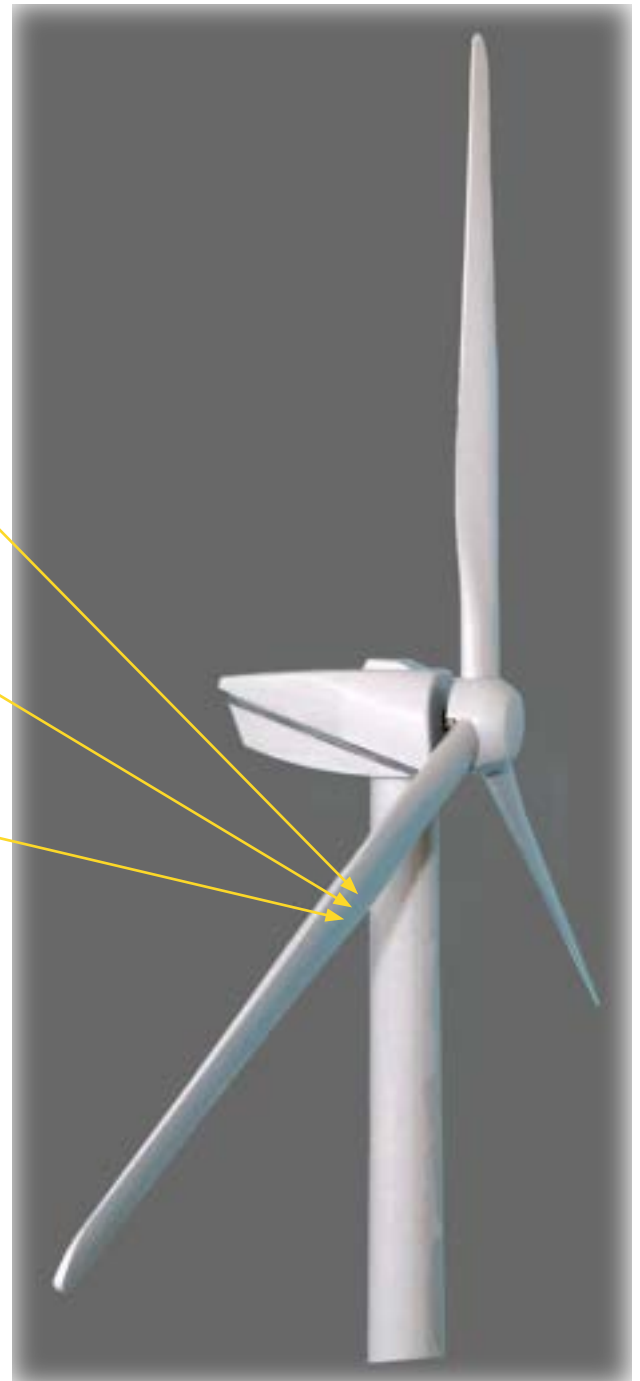
SURFACE PLANER



LARGE DIAMETER BLADE



HOLESAW



AIR POWERED MACHINES

SE20 TRIMMING MACHINE

This robust lightweight powerful hand machine has been developed for rebating and sawing materials up to 12mm thick. The design of the machine allows it to be easily adapted for jig following and can also be bench or pedestal mounted. The machine is supplied with a safety guard and includes a safety lever throttle.

NOTE:

For ROUTING — 6 or 8mm routers can be used and when used with a collet nut adaptor the machine will drive a 65mm diameter saw.

For TRIMMING — trimming can be carried out by using a 6mm router but the SE50 is more suited for this purpose.

SE20 TRIMMING MACHINE

*MGFSE20 SE20 Air Powered Trimming Machine

MMP980 Handle

OPTIONAL ATTACHMENTS

JIG TRIMMING GUIDE AND GAUGE

When used with a 40mm diameter side spoke saw this unit allows for precision trimming to be carried out by following a jig with the roller guides and adjusting width of cut as required.

SAW ACCESSORIES - FIGURE 2

CODE	DESCRIPTION
MMPA01	Collet Nut Saw Adaptor 6.35mm
MMPA02	Collet Not Saw Adaptor 19mm
*MMP060	Ø6mm Spindle Saw Arbor 6.35mm location
*MMP065	Ø6mm Spindle Saw Arbor 6mm location
MMP063	Ø8mm Spindle Saw Arbor
ESC030A	Ø40mm x 1.6 Circular Saw 44/60
ESS530A	Ø40mm x 1.6 Side Spoke Saw 44/60
MMPSE429	Jig Trimming Guide & Gauge for Ø40mm Saw
MMPC01	Saw Guard and Cowl for 65mm Diameter Saw

REBATING ATTACHMENT AND GAUGE

When used with a standard 19 x 35mm rebating router the adjustable guide allows a large range of rebates to be machined quickly and economically.

ROUTER ACCESSORIES - FIGURE 3

CODE	DESCRIPTION
*ERD220	6mm Dome Ended Router 44/60
ERD260	8mm Dome Ended Router 44/60
*MMP572	Plain Nose Cowl
MMP1007	Nose Cowl with Dust Extraction Pipe
MMPSE436	Rebating Attachment with Dust Extraction Cowl
ERT025	Rebating Router 44/60
ERT015	Rebating Router 36/44



FIGURE 1 -
SE20 TRIMMING MACHINE



FIGURE 2 -
JIG TRIMMING GUIDE &
GAUGE FOR Ø40mm SAW



FIGURE 3 - REBATING ATTACHMENT
WITH DUST EXTRACTION COWL
FOR REBATING ROUTERS

Technical Specification: Page 39

SE50 ROUTING MACHINE

The high speed air powered machine has been designed principally to be used in conjunction with our diamond coated saws and routers for trimming Reinforced Plastic mouldings up to 3mm thick using saws up to 40mm diameter, either freehand or following a jig. The machine incorporates an auxiliary sleeve which can be easily removed for rapid change of tooling and will accept routers up to 6mm diameter. The machine is supplied with a plain nose cowl and includes a safety lever throttle.

NOTE:

The SE50 has a side exhaust. The supplied plain nose cowl which can be used as a jig guide also protects both collet and router shank from abrasion.

SE50 MACHINE

CODE	DESCRIPTION
*MGFSE50	SE50 Side Exhaust Routing Machine
MMPH01	Handle

ROUTER ACCESSORIES

CODE	DESCRIPTION
*ERD040	4.8mm Dome Ended Router 44/60
*ERD220	6mm Dome Ended Router 44/60
*MMP702	Plain Nose Cowl [included]
*MMP763	Nose Cowl with Dust Extraction Pipe

SAW ACCESSORIES

CODE	DESCRIPTION
ESC030A	40mm Diameter x 1.6 Circular Saw 44/60
ESS530A	40mm Diameter x 1.6 Side Spoke Saw 44/60
MMPA05	Collet Nut Saw Adaptor
*MMP065	Spindle Saw Arbor 6mm diameter
MMPC05	Saw Guard and Dust Extraction Cowl

When ordering please state Code.

*Denotes ex-stock

All prices are exclusive of VAT & Carriage



SE50 ROUTING MACHINE



AS70 ANGLE SAW

AIR POWERED MACHINES

AS70 ANGLE SAW

The AS70 is a very powerful lightweight machine fitted with an open saw guard and efficient dust extraction.

The narrow head on the AS70 enables machining to be carried out in tight corners up to 12mm thick. Spent air is exhausted through the handle preventing the material being contaminated by airborne particles. Supplied with safety lever throttle.

NOTE:

Recommended Saw — Side Spoke 44/60 grit
70mm x 1.6mm x 16mm

AS70 ANGLE SAW

CODE	DESCRIPTION
*BPMAS70	AS70 Angle Saw complete with hose, oil etc

SAW ACCESSORIES

CODE	DESCRIPTION
*ESS553	Ø70mm x 1.6 Side Spoke Saw 44/60

AS100 ANGLE SAW

The AS100 is a very powerful robust machine developing 1.5 HP. Fast cutting, with very effective dust extraction, of Reinforced Plastic up to 25mm thick using a 100mm diameter side spoke saw.

Supplied with a combined saw guard and dust extraction cowl and safety lever throttle.

NOTE:

Recommended Saws — Side Spoke 44/60 grit
100mm x 1.6mm x 15.875mm (5/8")
— Continuous Rim 44/60 grit
100mm x 1.6mm x 15.875mm (5/8")



AS100 ANGLE SAW

AS100 ANGLE SAW

CODE	DESCRIPTION
*BPMAS100	AS100 Angle Saw Machine

SAW ACCESSORIES

CODE	DESCRIPTION
ESS570C	Ø100mm x 1.6 Side Spoke Saw 44/60 (5/8")
ESC140C	Ø100mm x 1.6 Continuous Rim 44/60 (5/8")

AS125 ANGLE SAW

The AS125 has the same power and specifications as the AS100. It has been designed to accept larger diameter saws for applications requiring a greater depth of cut. Will cut laminate up to 25mm thick or corrugated sheeting up to 40mm. Supplied as standard with safety lever throttle.

NOTE:

Recommended Saws — Side Spoke 44/60 grit
125mm x 1.6mm x 15.875mm

Optional attachment — Sole Plate with adjustable depth gauge.

AS125 ANGLE SAW

CODE	DESCRIPTION
*BPMAS125	AS125 Angle Saw Machine

OPTIONAL ATTACHMENTS

SOLE PLATE WITH ADJUSTABLE DEPTH GAUGE

A sole plate with adjustable depth gauge is available providing precise cutting depth of up to 35mm.

SAW ACCESSORIES

CODE	DESCRIPTION
ESS590C	Ø125mm x 1.6 Side Spoke Saw 44/60 (5/8")
ESC170C	Ø125mm x 1.6 Continuous Rim Saw 44/60 (5/8")

OPTIONAL ATTACHMENT

CODE	DESCRIPTION
MMPSP01	Adjustable Sole Plate and Handle

AS100 ANGLE GRINDER

Very powerful, heavy duty machine developing 1.5HP. Used for rapid grinding of Reinforced Plastic with a 100mm diameter Dia-Dry disc. The machine is supplied with a combined guard and dust extraction cowl and with safety lever throttle.

NOTE:

Recommended Disc — Ø100mm Dia-Dry 36/44 & 44/60

AS100 ANGLE GRINDER

CODE	DESCRIPTION
BPMAG100	AS100 Angle Grinder

DISC ACCESSORIES

CODE	DESCRIPTION
*EMP110	Dia-Dry Disc 36/44
*EMP115	Dia-Dry Disc 44/60

When ordering please state Code.



AS125 ANGLE SAW

AS100 ANGLE GRINDER



Technical Specification: Page 39

hand machines



PNEUMATIC JIGSAW

AIR POWERED MACHINES

BOSCH PNEUMATIC JIGSAW MACHINE

A high quality professional pneumatic jigsaw, with the Bosch developed precision control system that virtually eliminates blade wander.

- ▶ Tool Free Blade Replacement - for fast & easy change.
- ▶ Exclusive Blade Clamp Mechanism - for superior hold.
- ▶ Low Vibration Design - ensures smooth operation.
- ▶ Four Stage Orbital Action - adjusts blade motion.
- ▶ Paddle Style On/Off Switch.
- ▶ Low Position Roller Guide - ensures blade stability & precise cutting.
- ▶ Rotating Handle - provides comfort when cutting intricate workpiece.
- ▶ Adjustable Steel Footplate - retracts & tilts left & right up to 45° in both directions.

AIR POWER JIGSAW

CODE	DESCRIPTION
BPMHP020	Pneumatic with Precision Control

Technical Specification: Page 39

OTHER RELATED PRODUCTS

Electroplated Jigsaw Blades - Page 7

QUICK Q-6R PNEUMATIC WET POLISHER

Variable speed grinder with central water feed and rear exhaust.
M14 fitting.

VARIABLE SPEED POLISHER

CODE	DESCRIPTION
*BPMQ6R	Q-6R Rear Exhaust Polisher

ELECTROFLEX DISC

ELECTROFLEX QRS BACKING DISCS Ø100mm x 10mm Bore

CODE	GRADE
*BEPN069A	M60
*BEPN069C	M120
*BEPN069D	M200
*BEPN069E	M400
*MMP070	QRS Backup Pad Ø100mm

BACKED ELECTROFLEX DISCS M14 FITTING Ø100mm

CODE	GRADE
*BEPN080	M60
*BEPN090	M120
*BEPN095	M200
*BEPN100	M400

ELECTROFLEX DRUMS

Ø50 x 42mm Wide M14 FITTING

CODE	GRADE
*BEPN493N	M60
*BEPN495N	M120
*BEPN500N	M200
*BEPN505N	M400

Ø75 x 50mm Wide M14 FITTING

CODE	GRADE
*BEPN520A	M60
*BEPN520C	M120
*BEPN520D	M200
*BEPN520E	M400

DISC ACCESSORIES

QRS BACKUP PADS

CODE	DESCRIPTION
*MMP070	Ø100mm Flat Type with M14 fitting
*MMP070C	Ø100mm Cushion Type with M14 fitting

When ordering please state Code.



QUICK Q-6R WET POLISHER



QRS FLAT TYPE WITH
M14 FITTING

Technical Specification: Page 39

FURTHER ACCESSORIES INFORMATION

Drums - Page 22
100mm Flexible Discs - Page 22
QRS Flat Type Backup Pad - Page 22
M14 Backed Discs - Page 23

hand machines



MODEL 14000

MODEL 15003

AIR POWERED MACHINES

AIR BELT POLISHERS

Diamond belt machine with Locklever for grinding, deburring and polishing difficult to reach areas. With 7° offset and rear exhaust.

NARROW BELT MACHINES

CODE	MODEL	BELT SIZE
BPMDY005	15003	8-13 x 305mm
BPMDY010	14000	8-13 x 610mm

ELECTROFLEX BELT ACCESSORIES

305 x 13 mm Wide NARROW DIAMOND BELTS

CODE	GRADE
BEPN695A	M60
BEPN695C	M120
BEPN695D	M200
BEPN695E	M400

610 x 13 mm Wide NARROW DIAMOND BELTS

CODE	GRADE
BEPN795A	M60
BEPN795C	M120
BEPN795D	M200
BEPN795E	M400

Technical Specification: Page 39

FURTHER ACCESSORIES INFORMATION

Electroflex Narrow Belts - Page 20

ELECTRIC MACHINE

FEIN MULTIMASTER MM 700

The Fein Multimaster MM 700 is used for dry polishing.

OSCILLATING POLISHER 110V

BEMFMM	DRY	Variable 10,000-19,500
--------	-----	------------------------

FEIN PAD ACCESSORIES

TRIANGLE QRS ELECTROFLEX

CODE	GRADE
*BEPN890A	M60
*BEPN890C	M120
*BEPN890D	M200
*BEPN890E	M400

FEIN BACKUP PADS Box of 2

CODE	DESCRIPTION
*BEMF001	QRS backing pad

FEIN BLADE ACCESSORIES

ELECTROPLATED BLADES	
CODE	DESCRIPTION
ESC001	78mm diameter
*ESC002	Pendulum Saw

When ordering please state Code.

FEIN MULTIMASTER
MM 700



FEIN BACKUP PAD



OSCILLATING BLADES



Technical Specification: Page 39

FURTHER ACCESSORIES INFORMATION

FEIN TRIANGULAR PADS - Page 22
FEIN OSCILLATING BLADES - Page 6

accessories

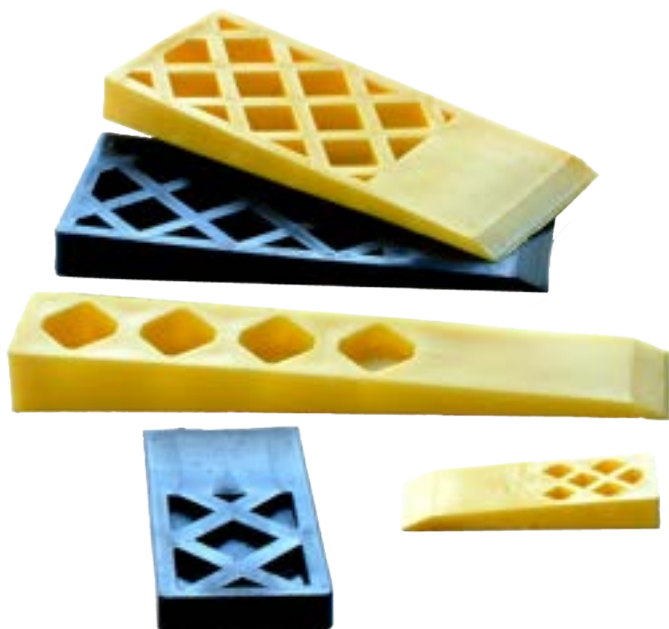
AIR PREPARATION MINI FILTER/ REGULATOR AND LUBRICATOR



Technical Specification: Page 39

OTHER RELATED PRODUCTS

Air Machines - Pages 25 - 32



PLASTIC SEPARATING WEDGES

OIL MIST LUBRICATOR

Air preparation mini filter/regulator and lubricator which filters air and water. The lubricator oil can be replenished without stopping the air line and oil delivery in a perfect mist, ensuring good lubrication to the working parts of the air power tool for maximum efficiency and long life. The semi-automatic drain filter bowl with high quality polycarbonate bowl is designed for long service life.

For use with AIR MACHINES

CODE	DESCRIPTION	
*BMP032	Mini	55 cu. ft./min 1650 litre/min
*MMPL10	Hydrasil 10 Lubrication Oil ½L	

PLASTIC WEDGES

Plastic wedges are used for separating Reinforced Plastic "lay ups" from the mould. These wedges are manufactured to provide an ideal and professional method for demoulding the finished lay up without causing damage to the "Gel Coat".

OPTIONS:

Sizes	—	175mm x 75mm 130mm x 55mm 100mm x 38mm 215mm x 38mm
Rigid	—	Yellow - used for flat moulds
Flexible	—	Black - used for curved moulds

PLASTIC WEDGES

CODE	DESCRIPTION
*STP048	Yellow Rigid 100mm x 38mm x 13mm
*STP050	Yellow Rigid 130mm x 55mm x 13mm
*STP055	Yellow Rigid 175mm x 75mm x 19mm
*STP053	Yellow Rigid 215mm x 38mm x 23mm
*STP058	Black Flexible 100mm x 38mm x 13mm
*STP060	Black Flexible 130mm x 55mm x 13mm
*STP065	Black Flexible 175mm x 75mm x 19mm
*STP063	Black Flexible 215mm x 38mm x 23mm

When ordering please state Code.

*Denotes ex-stock

All prices are exclusive of VAT & Carriage

STRIP, RE-PLATE & RE-TIP SERVICE

A strip and replate service could save you up to 40% on your tooling costs. Please ask for a quotation.

STRIP & REPLATE SERVICE AVAILABLE FOR:

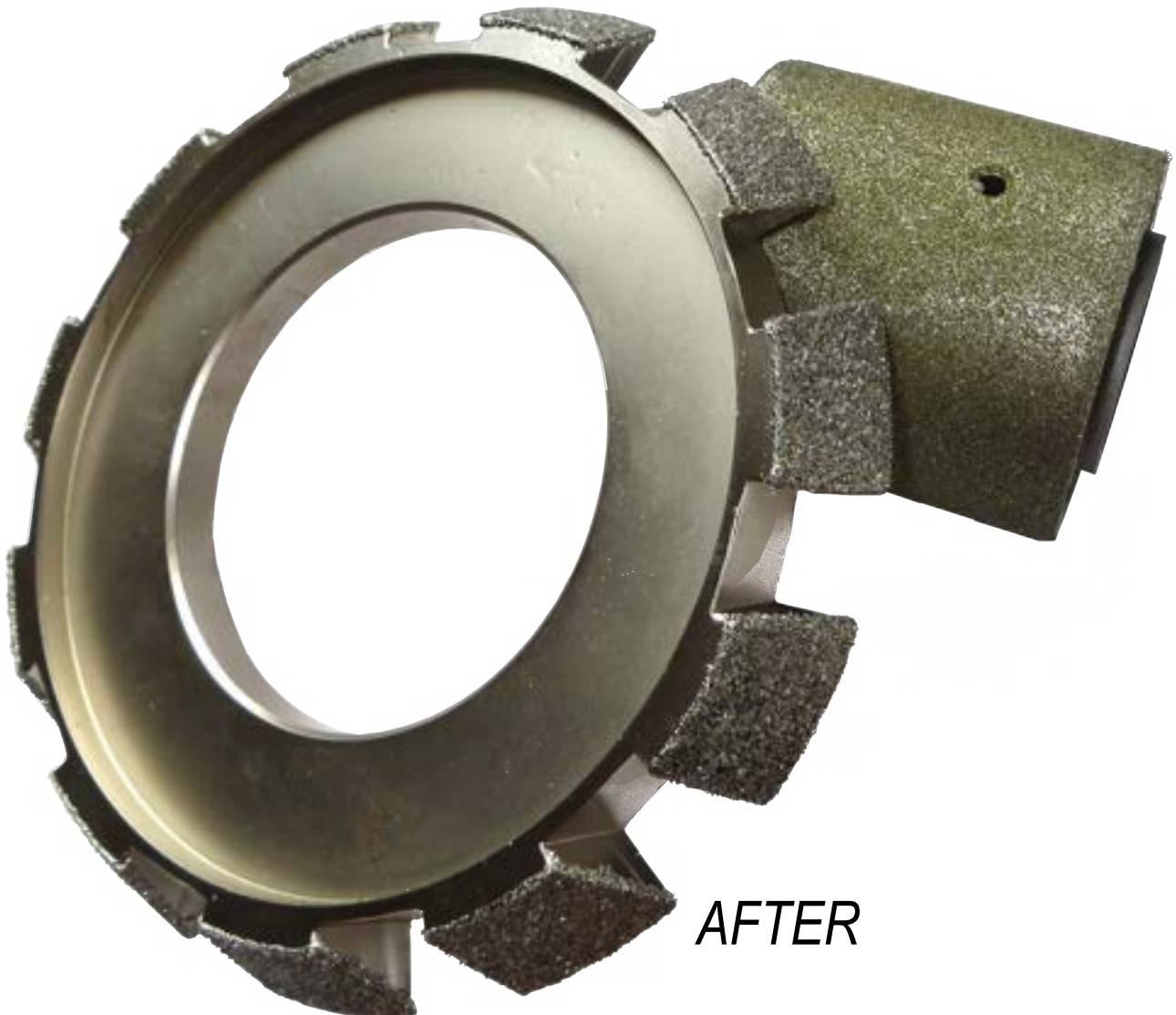
- Continuous Rim Blades
- Flute Wheels
- Profile Wheels
- Parallel Routers
- Various Electroplated CNC Tooling

RE-TIP SERVICE AVAILABLE FOR :

- Multicut Core Drills
- Milling Wheels
- Routers (Metal Bond)
- Drums



BEFORE



AFTER

technical specification

SAW BLADES - PAGES 2-5

SURFACE SPEED	
1,500 - 3,000 m/min	25 - 50 m/sec

SPINDLE SAWS - PAGE 6

SURFACE SPEED	
1,500 - 3,000 m/min	25 - 50 m/sec

OSCILLATING BLADES - PAGE 6

STROKES	
11,000 - 18,500 / min	

BANDSAW BLADES - PAGE 7

TENSION	MOS
1,050 - 1,400 kg/cm ²	1,400 m/min - 1,800 m/min

JIGSAW BLADES - PAGE 7

STROKES	
1,900 - 2,400 / min	

ELECTROPLATED HOLESAWS - PAGES 8-9

DIAMETER	RPM
14-20mm	2,500
22-38mm	2,000
40-60mm	1,500
65-85mm	1,000
90-150mm	500

METAL BOND CORE DRILLS - PAGE 10

DIAMETER	RPM
12-20mm	3,300 - 2,000
23-39mm	1,740 - 1,030
40-60mm	1,000 - 670
62-89mm	650 - 450

DIAMOND TWIST DRILLS - PAGE 12

DIAMETER	RPM
4mm	2,500
9.5mm	1,500

DIAMOND COUNTERBORES - PAGE 12

DIAMETER	RPM
4mm	2,500
9.5mm	1,500

DIAMOND COUNTERSINKS - PAGE 13

DIAMETER	RPM
4mm	2,500
9.5mm	1,500

ELECTROPLATED ROUTERS - PAGES 14-16

DIAMETER	SURFACE SPEED	SPEED RANGE
6mm	8-16 m/sec	25,500 - 50,000 rpm
8mm	8-21 m/sec	20,000 - 50,000 rpm
10mm	8-16 m/sec	15,300 - 30,000 rpm
12mm	8-16 m/sec	12,700 - 25,000 rpm
16mm	8-16 m/sec	8,550 - 19,100 rpm
19mm	8-16 m/sec	8,050 - 16,100 rpm
25mm	8-16 m/sec	6,110 - 12,225 rpm

DIA DRY DISCS - PAGE 17

DIAMETER	RPM
100mm	12,000
180mm	8,500

TITAN DISCS - PAGE 17

DIAMETER	RPM
100mm	12,000
180mm	8,500

SURFACE PLANERS - PAGE 18

DIAMETER	SURFACE SPEED	SPEED RANGE
30mm	25-31 m/sec	16,550 - 20,000 rpm
40mm	25-42 m/sec	12,000 - 20,000 rpm
50mm	25-52 m/sec	10,000 - 20,000 rpm
65mm	25-50 m/sec	7,350 - 14,700 rpm
75mm	20-50 m/sec	5,000 - 12,730 rpm

VORTEX CUTTERS - PAGE 18

DIAMETER	SURFACE SPEED	SPEED RANGE
25mm	8-31 m/sec	6,000 - 23,700 rpm
50mm	16-31 m/sec	6,000 - 12,000 rpm
75mm	16-39 m/sec	4,000 - 10,000 rpm

ELECTROFLEX DRUMS - PAGE 22

POLISHING	MOS
Wet	3,600 rpm

FLEXIBLE DISCS & PADS - PAGES 22-23

Refer to machine manufacturers recommendations for speeds.

technical specification

SE20 TRIMMING MACHINE - PAGE 28

COLLET DIAMETER	MAX. HOSE DIAMETER	MAX. SAW DIAMETER	WEIGHT
mm	internal/dia. mm	mm	kg
6 or 8	10	75	0.91

FREE SPEED	AIR PRESSURE	AIR CONSUMPTION
rpm	PSI BAR	litre/min
20,000	100 6.9	425

SE50 ROUTING MACHINE - PAGE 29

COLLET DIAMETER	MAX. HOSE DIAMETER	MAX. SAW DIAMETER	WEIGHT
mm	internal/dia. mm	mm	kg
6	6	50	1.14

FREE SPEED	AIR PRESSURE	AIR CONSUMPTION
rpm	PSI BAR	litre/min
72,000	100 6.9	340

AS70 ANGLE SAW - PAGE 30

MIN. HOSE DIAMETER	MAX. SAW DIAMETER	WEIGHT
internal/dia. mm	mm	kg
10	70	0.9

FREE SPEED	AIR PRESSURE	AIR CONSUMPTION
rpm	PSI BAR	litre/min
12,000	100 6.9	536

AS100 ANGLE SAW - PAGE 30

MIN. HOSE DIAMETER	MAX. SAW DIAMETER	WEIGHT
internal/dia. mm	mm	kg
10	100	1.68

FREE SPEED	AIR PRESSURE	AIR CONSUMPTION
rpm	PSI BAR	litre/min
12,700	100 6.9	565

The Technical Specification information is for guidance only, assuming your machine/tools are in serviceable condition and have been maintained to the manufacturer's specification.

For further technical information, please contact us.

AS125 ANGLE SAW - PAGE 31

MIN. HOSE DIAMETER	MAX. SAW DIAMETER	WEIGHT
internal/dia. mm	mm	kg
10	125	2.25

FREE SPEED	AIR PRESSURE	AIR CONSUMPTION
rpm	PSI BAR	litre/min
12,700	100 6.9	565

AS100 ANGLE GRINDER - PAGE 31

MIN. HOSE DIAMETER	MAX. SAW DIAMETER	WEIGHT
internal/dia. mm	mm	kg
10	100	1.68

FREE SPEED	AIR PRESSURE	AIR CONSUMPTION
rpm	PSI BAR	litre/min
12,700	100 6.9	565

BOSCH PNEUMATIC JIGSAW - PAGE 32

WEIGHT	FREE RUNNING SPEED	AIR CONSUMPTION
1.8 kg	3,000 spm	230

Q6-R PNEUMATIC WET POLISHER - PAGE 33

WEIGHT	FREE RUNNING SPEED	AIR PRESSURE
1.2 kg	0-3500 rpm	6.2 BAR

AIR BELT POLISHERS - PAGE 34

WEIGHT	MODEL	AIR FLOW	MOTOR	SPEED
		SCFM (LPM)	hp	
0.82 kg	15003	20 (556)	.4	25,000 rpm max.
1.4 kg	14000	31 (878)	.5	20,000 rpm max.

FEIN MULTIMASTER MM 700 - PAGE 35

WEIGHT	SPEED	VOLTAGE
1.9 kg	Variable 10,000 - 19,500	110

OIL MIST LUBRICATOR - PAGE 36

Compact size up to 1650 litres/minute 55 cfm air flow ¼" BSP fittings.

Operating pressure range 0.5-8.0kgf/cm² 0.5-7-114 PSI. Effective water and particle removal 5µm filter elements. Operating temperature range 10°-60° (14-140F).

Recommended oil type ISO-VG32 the 4-6 drops per minute is adjusted by screwdriver to prevent unintentional oil volume adjustment.

AMP TEKNIK A/S

Glentevej 33 - 4600 Køge - Danmark
Tlf.: (0045)-48183089 Fax: (0045)-48183387

E-mail: info@amp-teknik.dk

www.amp-teknik.dk