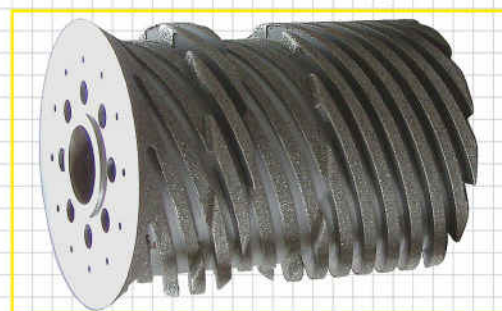
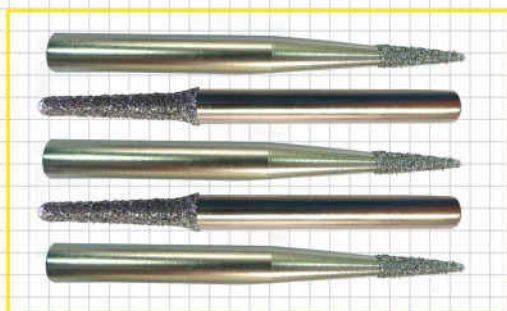
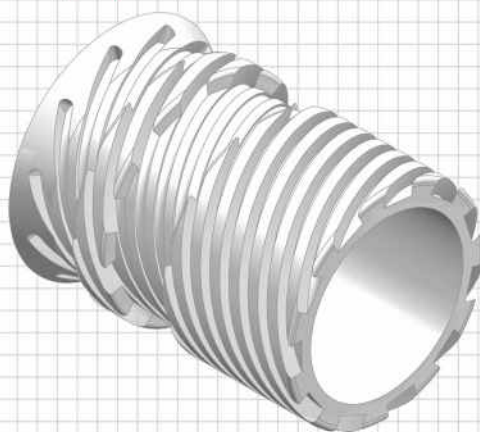
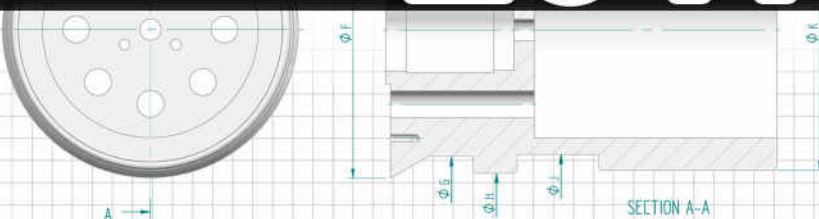
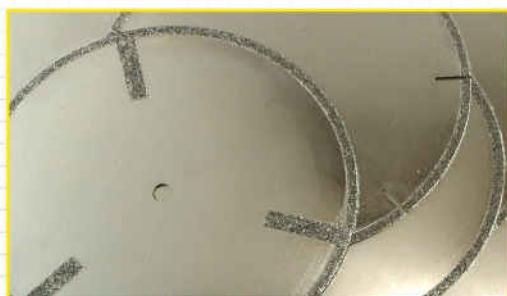


Diamond tools for

# Composites 2017



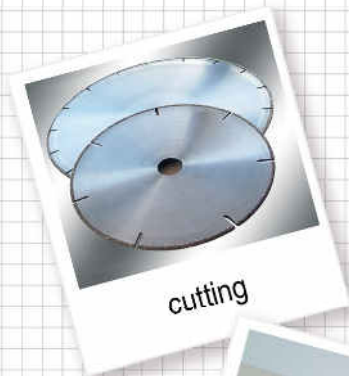
DESIGN – MANUFACTURE - SUPPLY



– TEKNIK A/S

Worldwide Diamond Tooling Solutions

# introduction



cutting



drilling



routing



grinding



specials



hand machines

## DIAMOND TOOLS

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

Replate and retip services, at very competitive prices, many products of our own manufacture and also other manufacturer's tooling.

Please look out for these symbols:



## 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

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## DIAMOND SAWS FOR THE COMPOSITES INDUSTRY

As one of the world leaders in diamond blade technology we are pleased to offer a complete range of high quality diamond blades for the Composites Industry. We offer the majority of our blades from stock but we also have the ability to manufacture a diamond blade to your specifications/requirements.

### 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

| DIAMETER<br>(mm) | WIDTH<br>(mm) | CODE    | CODE    |
|------------------|---------------|---------|---------|
|                  |               | 36/44   | 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 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<br>(mm) | WIDTH<br>(mm) | CODE<br>36/44 | CODE<br>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        |



ELECTROPLATED DIAMOND  
SIDE SPOKE SAW

**NOTE:** Other sizes available, prices on request.

Technical Specification: Page 38

When ordering please state Code.

\*Denotes ex-stock

### OTHER RELATED PRODUCTS

HAND MACHINES - Pages 30 - 31



# cutting

## 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<br>(mm) | WIDTH<br>(mm) | CODE   | CODE    |
|------------------|---------------|--------|---------|
|                  |               | 36/44  | 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 available, prices on request.

Technical Specification: Page 38

#### OTHER RELATED PRODUCTS

HAND MACHINES - Pages 30 - 31



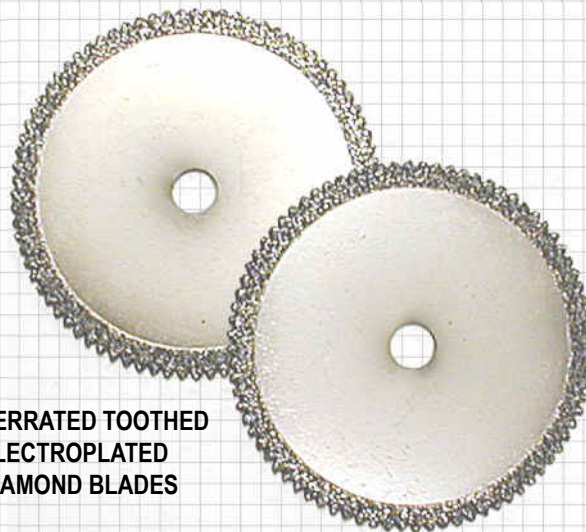
## CORRUGATED TOOTHED SAW

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<br>(mm) | WIDTH<br>(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, 110 & 125mm  
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<br>(mm) | BORE<br>(mm) | CODE      | 36/44 |
|------------------|--------------|-----------|-------|
| 100              | 15.9         | *BSEV153C |       |
| 110              | 22.2         | *BSEV163E |       |
| 125              | 22.2         | *BSEV183E |       |

### PYRAMID BLADE

### M14 FITTING

| DIAMETER<br>(mm) | FITTING | CODE      | 36/44 |
|------------------|---------|-----------|-------|
| 125              | M14     | *BSEVF183 |       |



DIAMOND CUTTING &  
SIDE GRINDING BLADE

**NOTE:** Other sizes available, prices on request.

*Technical Specification: Page 38*

When ordering please state Code.

\*Denotes ex-stock

### 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<br>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<br>(mm) | WIDTH<br>(mm) | CODE<br>36/44 | CODE<br>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<br>(mm) | WIDTH<br>(mm) | CODE<br>36/44 | CODE<br>44/60 |
|------------------|---------------|---------------|---------------|
| 25               | 2             | ESIS705       | ESIS710       |
| 40               | 2             | ESIS715       | ESIS720       |
| 50               | 2             | ESIS725       | ESIS730       |
| 65               | 2             | ESIS735       | ESIS740       |
| 75               | 2             | ESIS745       | ESIS750       |

### Quantity Discounts

|                 |
|-----------------|
| 5 offless 2½%   |
| 10 offless 5%   |
| 20 offless 7½%  |
| 50 offless 10%  |
| 100 offless 20% |

## 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   | per metre | per foot |
|---------|-----------|----------|
| 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.



36/44 & 44/60 GRIT JIGSAW BLADES

Technical Specification: Page 38

### OTHER RELATED PRODUCTS

PNEUMATIC JIGSAW MACHINE - Page 32

When ordering please state Code.

\*Denotes ex-stock

# drilling

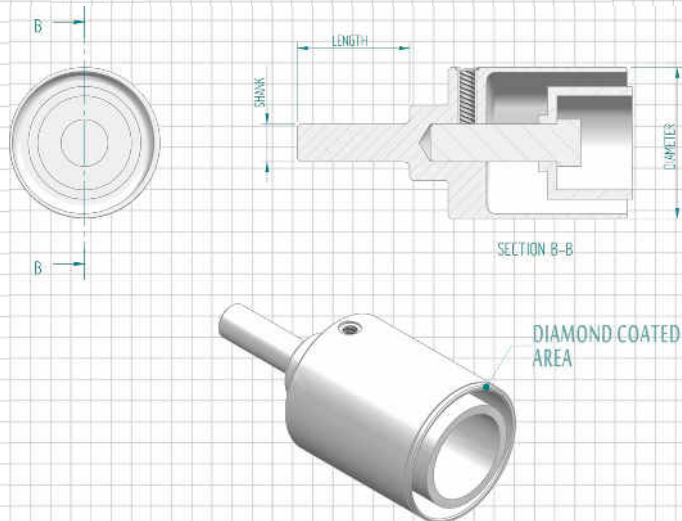
A wide selection of holesaws is available for both site and factory use when cutting holes in composites.



TYPE 1



TYPE 2



**NOTE:** Other sizes available, prices on request.

## 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.<br>(mm) | CODE<br>TYPE 1 | CODE<br>TYPE 2 | CODE<br>TYPE 3 |
|--------------|----------------|----------------|----------------|
| 12           | EH010A         | EH010S         | EH010C         |
| 16           | EH015A         | EH015S         | EH015C         |
| 19           | EH020A         | EH020S         | EH020C         |
| 22           | EH025A         | EH025S         | EH025C         |
| 25           | EH030A         | EH030S         |                |
| 30           | EH035A         | EH035S         |                |
| 32           | EH040A         | EH040S         |                |
| 40           | EH045A         | EH045S         |                |
| 45           | EH050A         | EH050S         |                |
| 50           | EH055A         | EH055S         |                |
| 57           | EH060A         | EH060S         |                |
| 65           | EH065A         | EH065S         |                |
| 70           | EH070A         | EH070S         |                |
| 75           | EH075A         | EH075S         |                |
| 82           | EH080A         | EH080S         |                |
| 90           | EH085A         | EH085S         |                |
| 95           | EH090A         | EH090S         |                |
| 100          | EH095A         | EH095S         |                |
| 108          | EH100A         | EH100S         |                |
| 115          | EH105A         | EH105S         |                |
| 120          | EH110A         | EH110S         |                |
| 125          | EH115A         | EH115S         |                |
| 133          | EH120A         | EH120S         |                |
| 140          | EH125A         | EH125S         |                |
| 145          | EH130A         | EH130S         |                |
| 150          | EH135A         | EH135S         |                |

Technical Specification: Page 38



## 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 |           |          |

**NOTE:** Other sizes available, prices on request.

## HOLESAWS ACCESSORIES

### ARBORS

| CHUCK SIZE | HEX. HANK | FITS     | CODE    |
|------------|-----------|----------|---------|
| (mm)       | SIZE      | HOLESAWS |         |
| (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.

\*Denotes ex-stock

## 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:

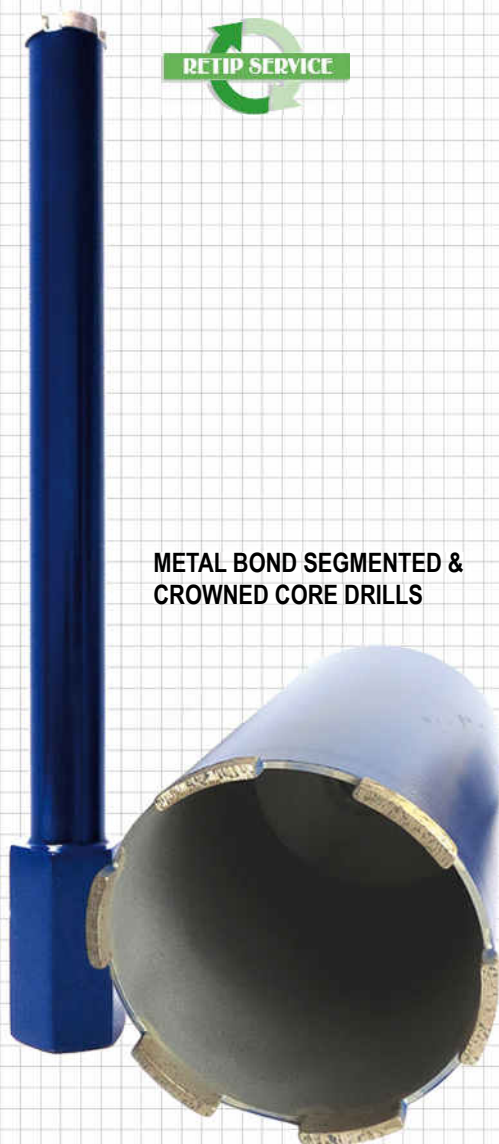
Holesaws furnished without arbors unless specified. Standard drilling depths; with pilot and ejector spring 15mm, without pilot and ejector spring 30mm. For customers requiring deeper drilling depth, quotations will be given on request.



Technical Specification: Page 38

## 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.

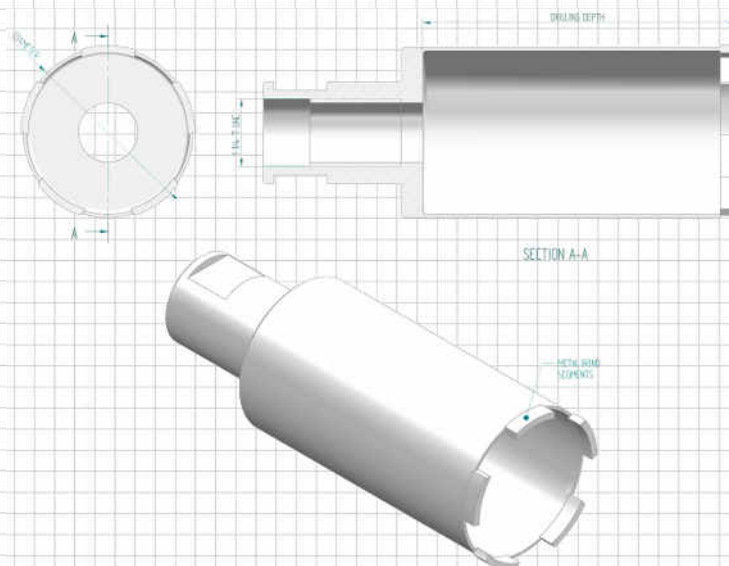


**METAL BOND SEGMENTED & CROWNED CORE DRILLS**

### 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 1/2" BSP |

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

### DIAGRIT WATER CHUCK - TYPE B

| CODE     | DESCRIPTION          |
|----------|----------------------|
| *MMPC05C | Continental 1/2" 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 - 1/4" diameter |

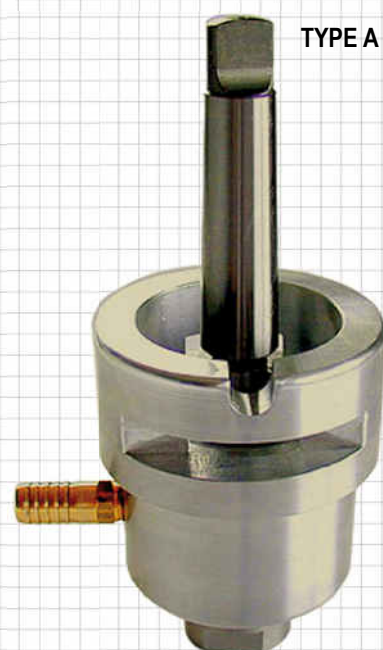
**NOTE:** When ordering please specify required shank.

### DIAGRIT HEAVY DUTY WATER CHUCK

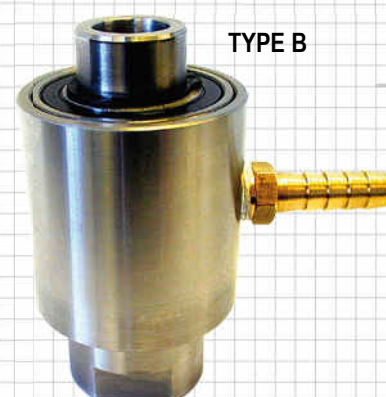
| CODE | DESCRIPTION        |
|------|--------------------|
| MMP  | 1 1/4" UNC Fitting |

When ordering please state Code.

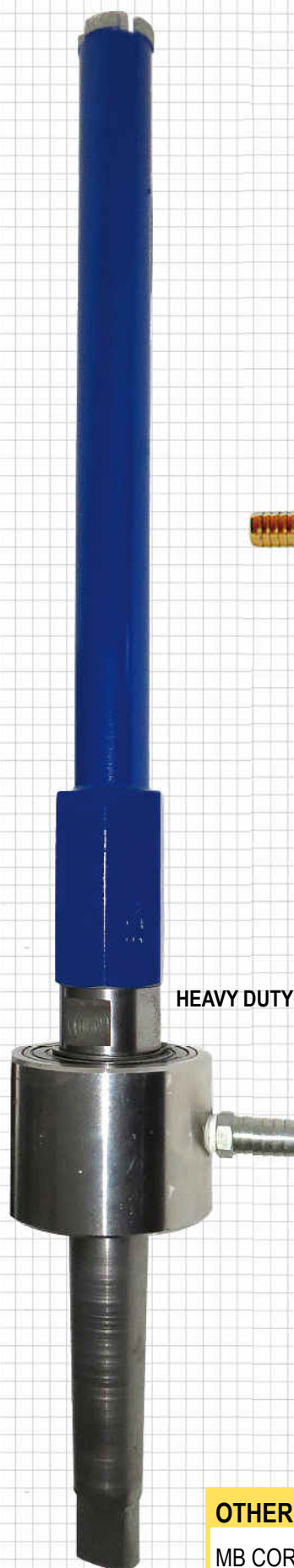
\*Denotes ex-stock



TYPE A



TYPE B



HEAVY DUTY

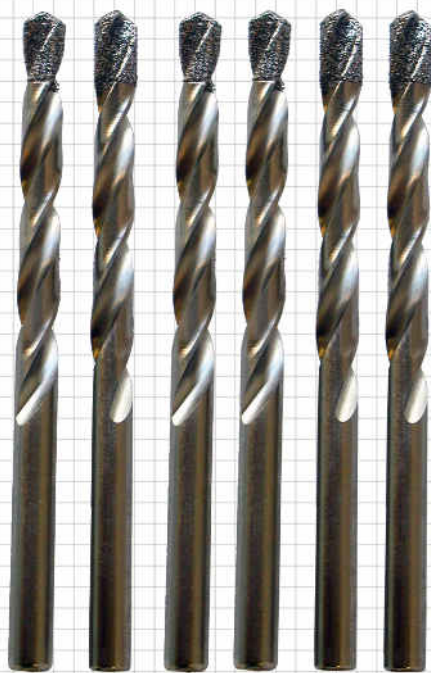


BABY WATER CHUCK

### OTHER RELATED PRODUCTS

MB CORE DRILLS - Page 10

# drilling



**ELECTROPLATED DIAMOND  
TWIST DRILLS**

## TWIST DRILLS

### OPTIONS:

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

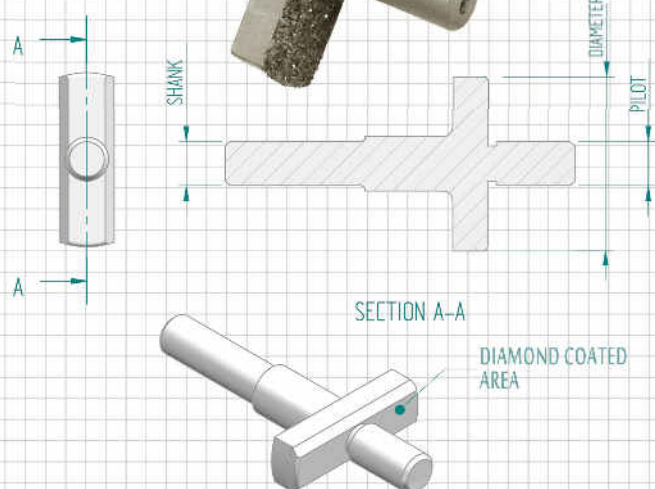
### NOTE:

Other sizes and grades are available on request.  
We also manufacture solid drills, details on request.

## TWIST DRILLS

| DIAMETER<br>(mm) | CODE   |         |
|------------------|--------|---------|
|                  | 36/44  | 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<br>(mm) | CODE   |        | PRICE £ |
|------------------|--------|--------|---------|
|                  | 36/44  | 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.

Technical Specification: Page 38





## DRILL 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.

### COUNTERSINKS - TYPE C



### TYPE "A"

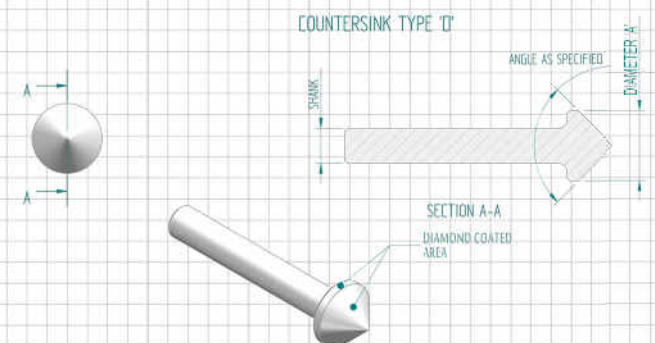
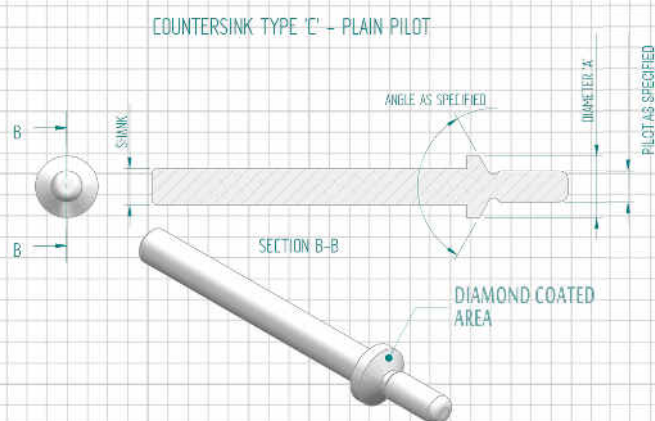
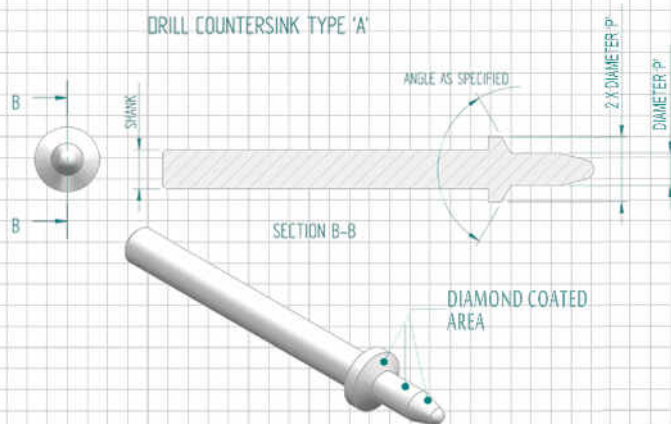
| PILOT<br>DIAMETER "P"<br>(mm) | CODE<br>36/44 | CODE<br>44/60 |
|-------------------------------|---------------|---------------|
| 4                             | ECKA3040      | ECKA4040      |
| 4.5                           | ECKA3045      | ECKA4045      |
| 5                             | ECKA3050      | 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"<br>(mm) | CODE<br>36/44 | CODE<br>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"<br>(mm) | BOLT<br>SIZE | CODE<br>36/44 | CODE<br>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      |



Technical Specification: Page 38

# routing

A range of diamond routers is offered 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.



**DOME ENDED ROUTERS**

## DOME 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

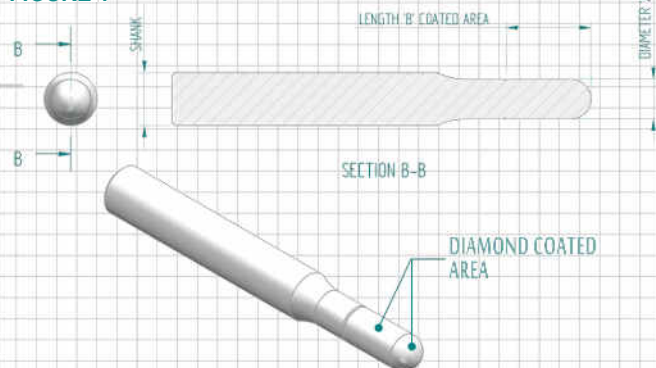
Diamond Coating Length 'B' — 13, 19mm

Grades — 36/44 & 44/60

NOTE:

Diameter "A" 4mm are tapered.

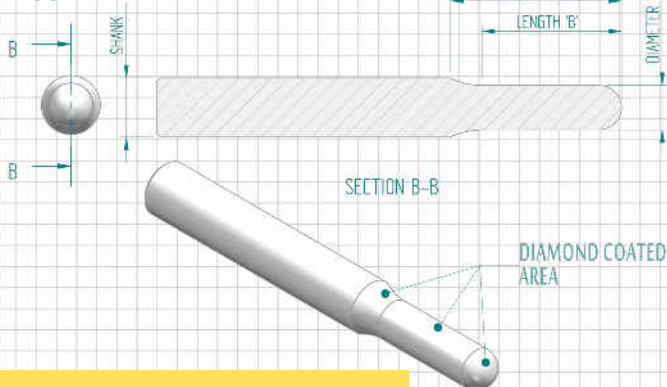
**FIGURE 1**



**STANDARD FIGURE 1**

| DIAMOND COATING |            | SHANK    | CODE    | CODE    |
|-----------------|------------|----------|---------|---------|
| Dia. "A"        | Length "B" | Dia. "D" | 36/44   | 44/60   |
| 4               | 13         | 6        |         | *ERD020 |
| 6               | 13         | 6        | *ERD210 | *ERD220 |
| 6               | 19         | 6        | *ERD230 | *ERD240 |
| 8               | 13         | 6        | *ERD250 | *ERD260 |
| 8               | 19         | 6        | ERD270  | ERD280  |
| 8               | 13         | 8        | ERD290  | ERD300  |
| 8               | 19         | 8        | ERD310  | ERD320  |

**FIGURE 2**



**COATED TO SHOULDER FIGURE 2**

| DIAMOND COATING |            | SHANK    | CODE    | CODE    |
|-----------------|------------|----------|---------|---------|
| Dia. "A"        | Length "B" | Dia. "D" | 36/44   | 44/60   |
| 4.8             | 13         | 6        | ERD030  | *ERD040 |
| 4.8             | 19         | 6        | *ERD410 | *ERD420 |

Technical Specification: Page 38

## OTHER RELATED PRODUCTS

SE 50 ROUTER MACHINE - Page 29

**NOTE:** Other sizes available, prices on request.

When ordering please state Code.

\*Denotes ex-stock



## 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

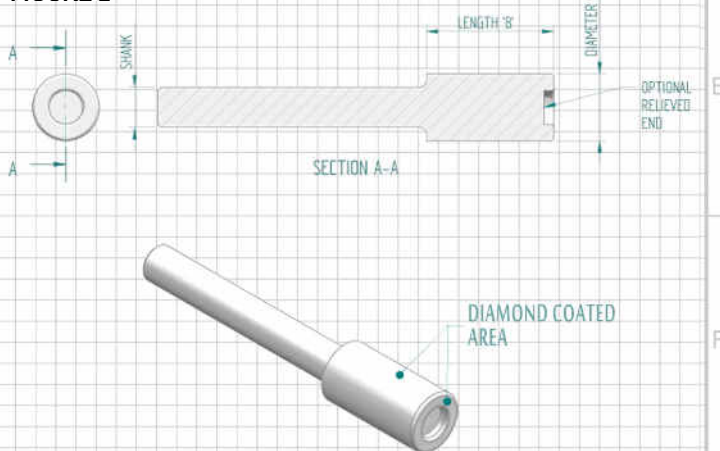
| DIAMOND COATING |               | CODE    |       | CODE    |       |
|-----------------|---------------|---------|-------|---------|-------|
| Dia.<br>"A"     | Length<br>"B" | 36/44   |       | 44/60   |       |
| 4               | 12.5          |         |       | *ERP505 | 17.00 |
| 5               | 12.5          | ERP510  | 20.30 | ERP515  | 17.80 |
| 5               | 19            | ERP520  | 23.00 | ERP525  | 19.30 |
| 5               | 25            | ERP530  | 24.20 | ERP535  | 20.80 |
| 6               | 12.5          | ERP540  | 22.00 | *ERP545 | 19.00 |
| 6               | 19            | *ERP550 | 25.00 | ERP555  | 20.90 |
| 6               | 25            | *ERP560 | 27.40 | *ERP565 | 23.30 |
| 8               | 12.5          | ERP570  | 23.80 | ERP575  | 20.30 |
| 8               | 19            | ERP580  | 27.30 | ERP585  | 23.20 |
| 8               | 25            | ERP590  | 30.30 | ERP595  | 26.10 |
| 10              | 12.5          | ERP600  | 25.10 | ERP605  | 21.00 |
| 10              | 19            | ERP610  | 28.70 | ERP615  | 25.10 |
| 10              | 25            | ERP620  | 33.50 | ERP625  | 28.30 |
| 12.5            | 12.5          | ERP630  | 30.30 | ERP635  | 26.50 |
| 12.5            | 19            | ERP640  | 36.60 | ERP645  | 31.40 |
| 12.5            | 25            | ERP650  | 41.50 | ERP655  | 35.60 |
| 16              | 12.5          | ERP660  | 33.60 | ERP665  | 28.70 |
| 16              | 19            | ERP670  | 40.40 | ERP675  | 34.80 |
| 16              | 25            | ERP680  | 47.00 | ERP685  | 40.50 |
| 19              | 12.5          | ERP690  | 37.00 | ERP695  | 32.20 |
| 19              | 19            | ERP700  | 45.10 | ERP705  | 38.90 |
| 19              | 25            | ERP710  | 53.20 | ERP715  | 45.80 |
| 25              | 12.5          | ERP720  | 42.90 | ERP725  | 37.00 |
| 25              | 19            | ERP730  | 53.80 | ERP735  | 46.10 |
| 25              | 25            | ERP740  | 65.20 | ERP745  | 55.60 |

**NOTE:** Other sizes available, prices on request.



PARALLEL ROUTERS

FIGURE 2



Technical Specification: Page 38

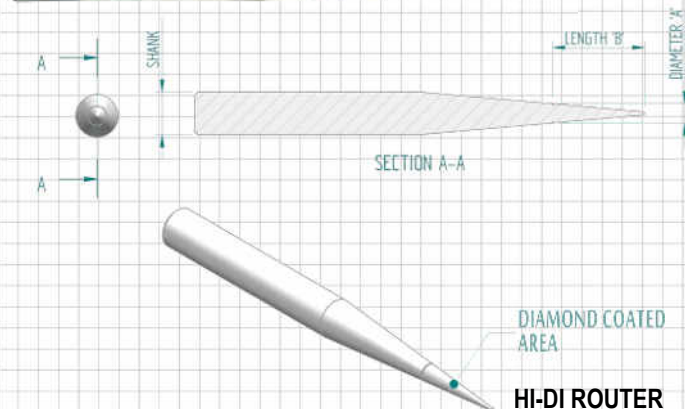
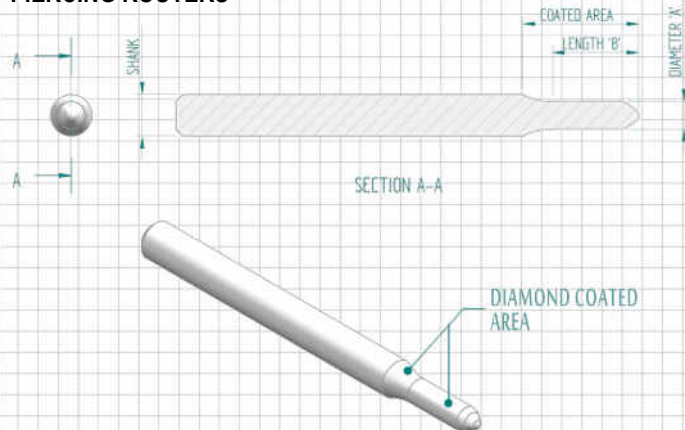
### OTHER RELATED PRODUCTS

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.



AMP are able to supply grinding tools to cover the majority of grinding applications in the Composite industry.

## 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.

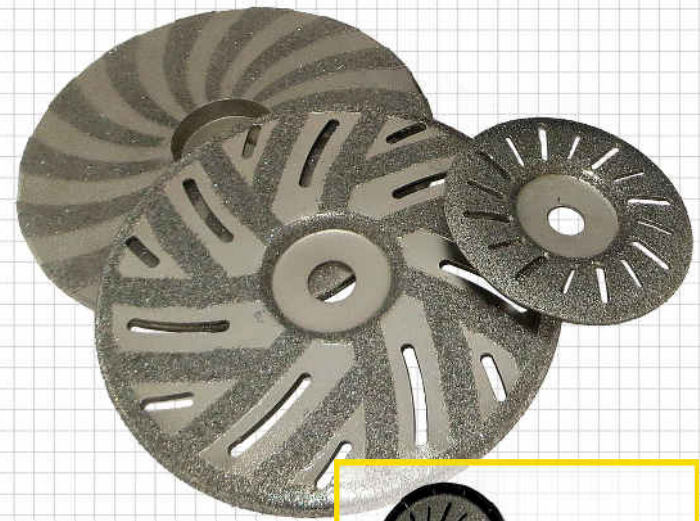
### OPTIONS:

Diameters — 100, 180mm

Grades — 36/44, 44/60 & 60/85

### DIA-DRY DISCS

| DIAMETER<br>(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

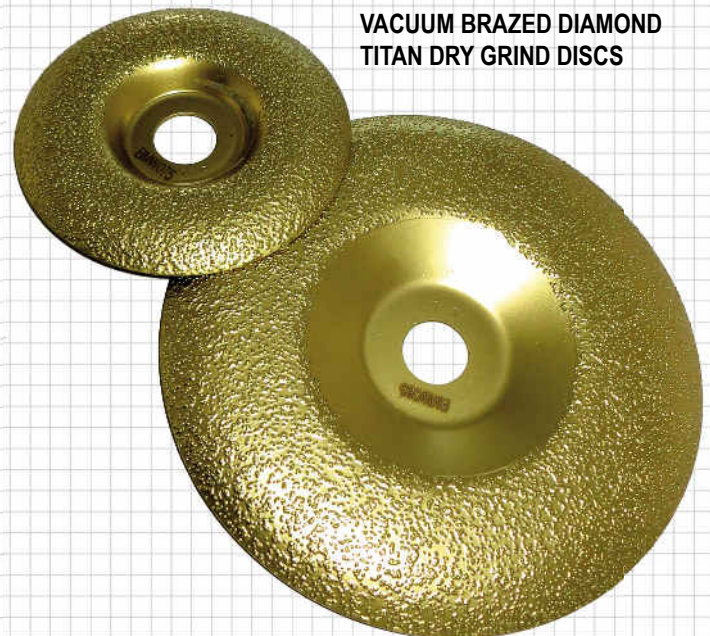
Grade — 40

### NOTE:

Fits directly onto an angle grinder.

### TITAN DISCS GRADE 40

| DIAMETER<br>(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.

\*Denotes ex-stock

### OTHER RELATED PRODUCTS

AS100 ANGLE GRINDER MACHINE - Page 31

REPLATE SERVICE

## 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:

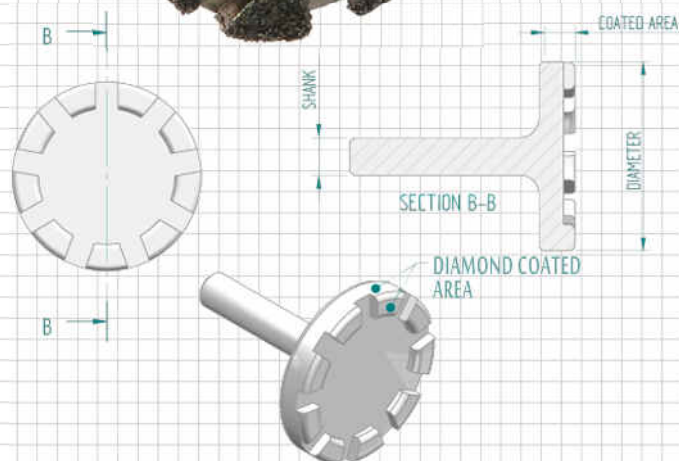
Diameters — 40, 50, 65 & 75mm  
Grades — 30/36, 36/44 & 44/60

### NOTE:

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

### SURFACE PLANERS

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



REPLATE SERVICE

## VORTEX CUTTERS

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

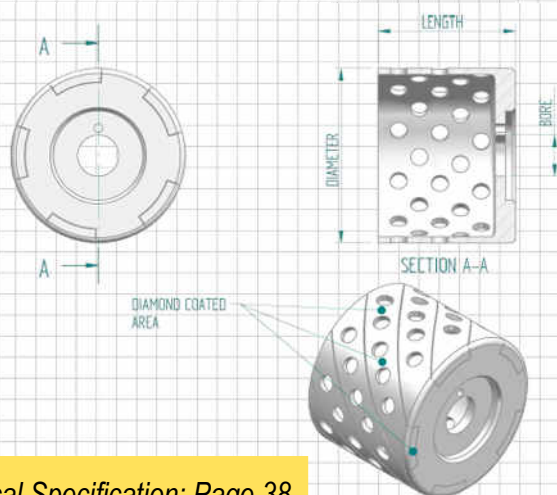
### OPTIONS:

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 |



Technical Specification: Page 38

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            | CODE    | GRIT SIZE | DESCRIPTION   |
|-----------------|---------|-----------|---|
| <b>TAPERED</b>  |         |           |   |
|                 | ENF010  | 85/100    | Taper Flat  |
| TF1             | ENF020  | 120/150   |    |
|                 | ENF030  | 200/240   |   |
|                 | *ENF040 | 85/100    | Oval  |
| TF2             | ENF050  | 120/150   |    |
|                 | ENF060  | 200/240   |   |
|                 | ENF070  | 85/100    | 3 Square  |
| TF3             | *ENF080 | 120/150   |    |
|                 | ENF090  | 200/240   |   |
|                 | ENF100  | 85/100    | Knife Edge  |
| TF4             | ENF110  | 120/150   |    |
|                 | ENF120  | 200/240   |   |
|                 | ENF130  | 85/100    | Square  |
| TF5             | ENF140  | 120/150   |    |
|                 | ENF150  | 200/240   |   |
|                 | ENF160  | 85/100    | Round   |
| TF6             | *ENF170 | 120/150   |  |
|                 | ENF180  | 200/240   |   |
|                 | ENF190  | 85/100    | Barette   |
| TF7             | *ENF200 | 120/150   |  |
|                 | ENF210  | 200/240   |   |
|                 | ENF250  | 85/100    | Half Round  |
| TF9             | ENF260  | 120/150   |  |
|                 | ENF270  | 200/240   |   |
| <b>PARALLEL</b> |         |           |   |
|                 | ENF280  | 85/100    | Hand  |
| PF10            | ENF290  | 120/150   |  |
|                 | ENF300  | 200/240   |   |
|                 | ENF310  | 85/100    | Slitting  |
| PF11            | ENF320  | 120/150   |  |
|                 | ENF330  | 200/240   |   |
|                 | ENF340  | 85/100    |   |
| PF12            | ENF350  | 120/150   | Crossing  |
|                 | ENF360  | 200/240   |   |
| Handle          |         |           |   |

#### TAPERED

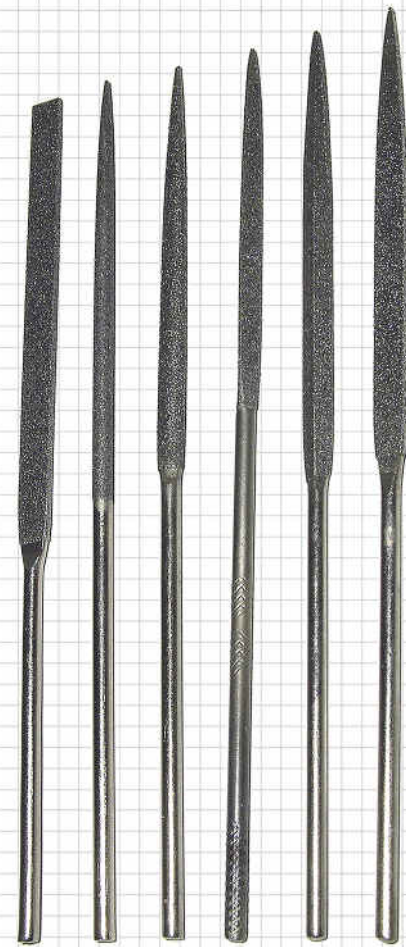
#### PARALLEL

#### NOTE:

1. When ordering please state code and grit size required.

When ordering please state Code.

\*Denotes ex-stock



**ELECTROPLATED DIAMOND  
NEEDLE FILES**

# grinding

## ELECTROFLEX HAND FILES



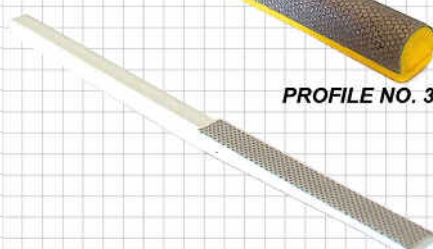
PROFILE NO. 1



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

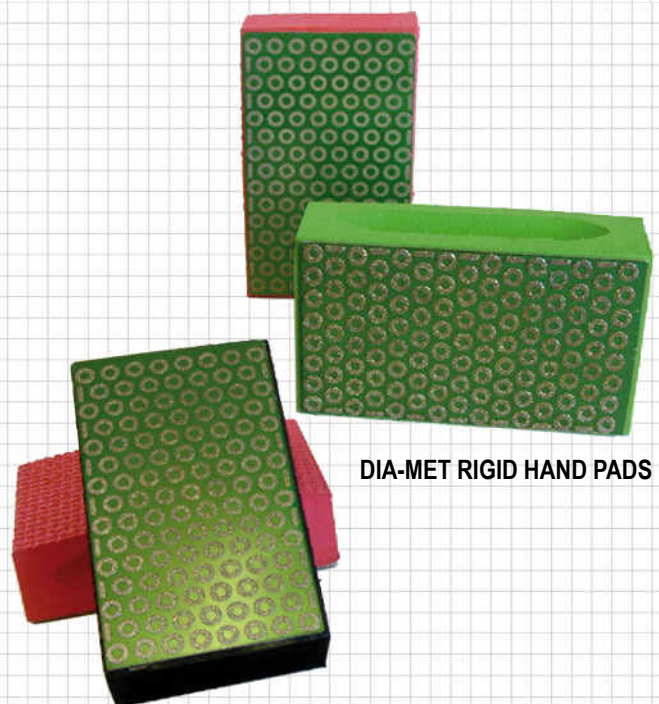
A rigid hand pad with aggressive stock removal for hand grinding reinforced plastic and similar materials.

### 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.

\*Denotes ex-stock

# 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  |

## M14 FITTING ELECTROFLEX DRUMS



## QRS BACKING ELECTROFLEX POLISHING DISCS



### OTHER RELATED PRODUCTS

Q-6R PNEUMATIC MACHINE - Page 33

Technical Specification: Page 38

## 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 |



## Ø100mm M14 BACKED DISCS

### ELECTROFLEX DISCS

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



M14 FITTING BACKED DISCS

## 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<br>Electroplus 60 - 800 grit |

### OTHER RELATED PRODUCTS

Q-6R PNEUMATIC MACHINE - Page 33

### D-LOC DISCS Ø25mm

| CODE     | GRADE |
|----------|-------|
| *BEP900A | M60   |
| *BEP900C | M120  |
| *BEP900D | M200  |
| *BEP900E | M400  |

### D-LOC DISCS Ø50mm

| CODE     | GRADE |
|----------|-------|
| *BEP910A | M60   |
| *BEP910C | M120  |
| *BEP910D | M200  |
| *BEP910E | M400  |

### D-LOC DISCS Ø75mm

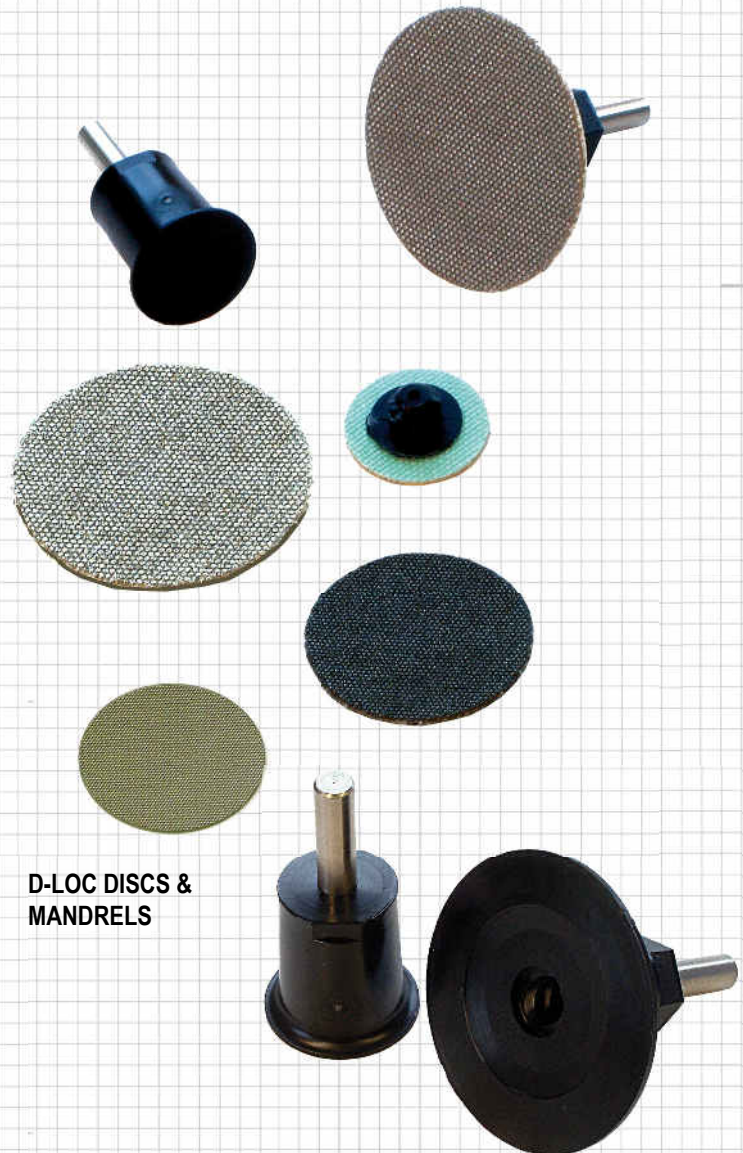
| CODE    | GRADE |
|---------|-------|
| BEP915A | M60   |
| BEP915C | M120  |
| BEP915D | M200  |
| BEP915E | M400  |

## D-LOC MANDRELS

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

### BACKUP PAD

| CODE    | DIAMETER |
|---------|----------|
| *BES900 | Ø25mm    |
| *BES910 | Ø50mm    |
| BES915  | Ø75mm    |



D-LOC DISCS & MANDRELS

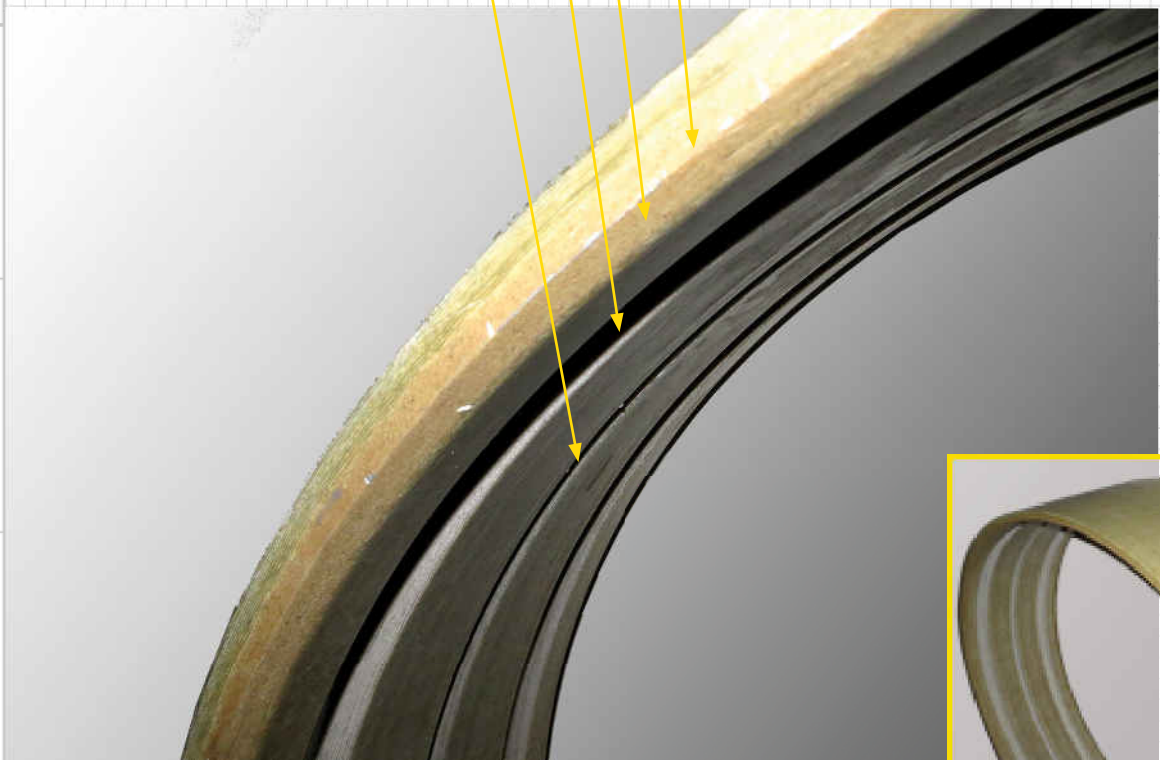
When ordering please state Code.

\*Denotes ex-stock

Technical Specification: Page 38

## SPECIAL TOOLS

We are specialists in designing and manufacturing special tools for many applications. For example, we are renowned for a large range of calibration wheels, drills, saws, routers, holesaws etc. specifically for the GRP/FRP Pipe Industry and also for the Wind Turbine Industry.



GRP/GRE PIPE SECTION





## GRP/GRE PIPES

A range of standard tools as well as bespoke tooling for individual requirements can be manufactured.

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 |



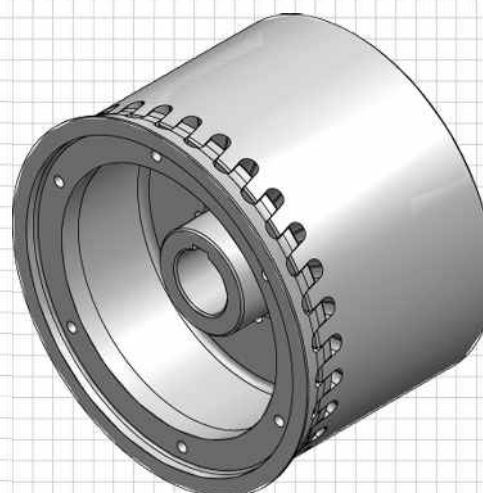
### CALIBRATION DRUMS

| 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%    |



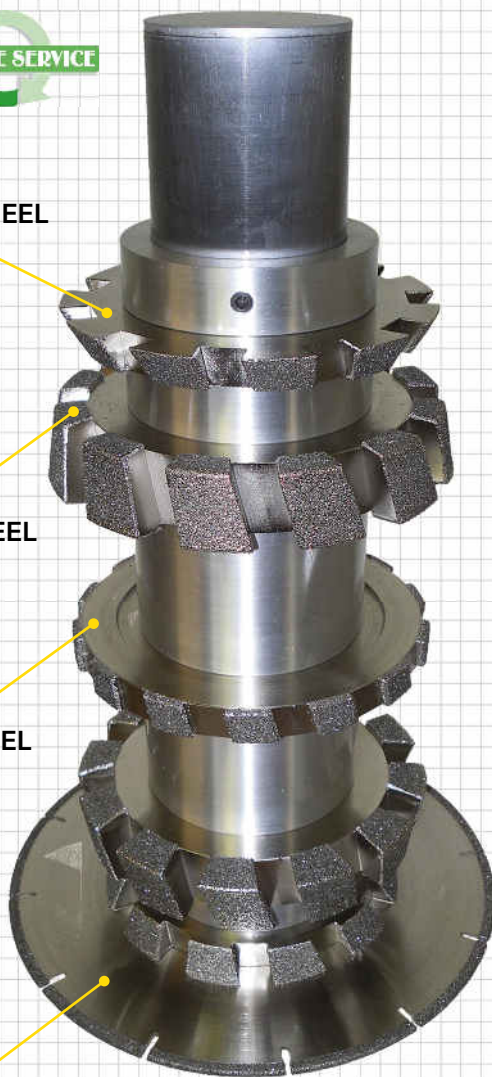


CHAMFER WHEEL

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   |



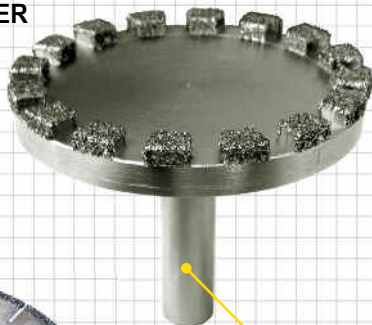
## WIND TURBINE INDUSTRY

AMP can offer diamond tooling manufactured by one of the world's leading manufacturers of diamond tooling for the production of Wind Turbine parts, including 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.

Also offered is a Design - Manufacture - Supply service for all of your special tools. Please contact our Technical Sales Engineers 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**



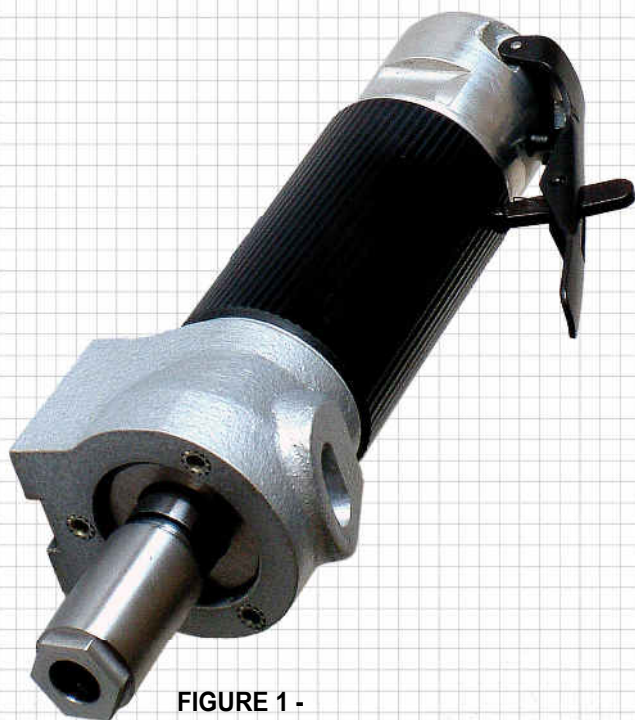
**LARGE DIAMETER BLADE**



**HOLESAW**



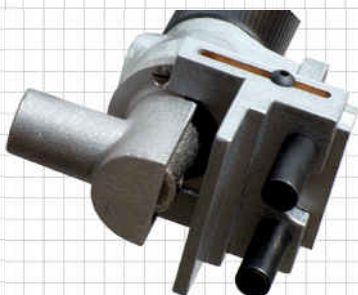
# hand machines



**FIGURE 1 -  
SE20 TRIMMING MACHINE**



**FIGURE 2 -  
JIG TRIMMING GUIDE &  
GAUGE FOR Ø50mm SAW**



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

## 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 - FIGURE 1

| CODE    | DESCRIPTION                       |
|---------|-----------------------------------|
| MGFSE20 | SE20 Air Powered Trimming Machine |
|         | Handle                            |

## OPTIONAL ATTACHMENTS

### JIG TRIMMING GUIDE AND GAUGE

When used with a 50mm 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                   |
| *ESC050A  | Ø50mm x 1.6 Circular Saw 44/60           |
| *ESS540A  | Ø50mm x 1.6 Side Spoke Saw 44/60         |
| *MMPSE429 | Jig Trimming Guide & Gauge for Ø50mm 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                         |

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       |



SE50 ROUTING MACHINE

When ordering please state Code.

\*Denotes ex-stock

Technical Specification: Page 39

# hand machines



AS70 ANGLE SAW



AS100 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                                |
|---------|--|
| *BPMA70 | 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  
— Continuous Rim 44/60 grit  
100mm x 1.6mm x 15.875

### AS100 ANGLE SAW

| CODE     | DESCRIPTION             |
|----------|-------------------------|
| *BPMA100 | AS100 Angle Saw Machine |

### SAW ACCESSORIES

| CODE    | DESCRIPTION                       |
|---------|-----------------------------------|
| *ESS570 | Ø100mm x 1.6 Side Spoke Saw 44/60 |
| *ESC140 | Ø100mm x 1.6 Continuous Rim 44/60 |

Technical Specification: Page 39



## 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     |
| *ESC170C | Ø125mm x 1.6 Continuous Rim Saw 44/60 |

## 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.

\*Denotes ex-stock



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



# hand machines

## 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.

\*Denotes ex-stock



QUICK Q-6R WET POLISHER



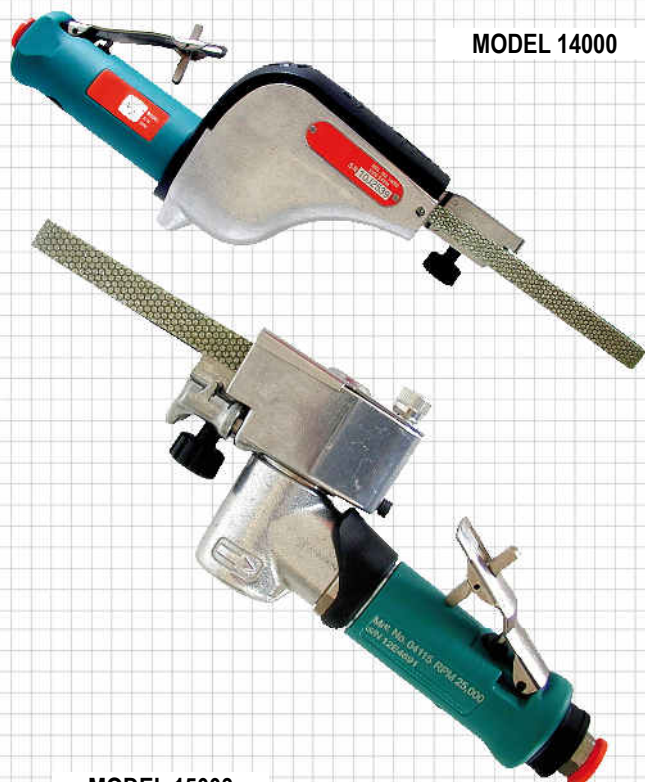
QRS FLAT TYPE WITH  
M14 FITTING

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



# hand machines

## ELECTRIC MACHINE

### FEIN MULTITALENT OSCILLATING

The Fein Multitalent basic oscillating 110 volt machine is used for dry polishing.

#### OSCILLATING POLISHER 110V

| CODE   | MODEL | SPEED                  |
|--------|-------|------------------------|
| BEMFMM | DRY   | Variable 11,000-20,000 |

## 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

### OSCILLATING ELECTROPLATED BLADES

| CODE    | DESCRIPTION   |
|---------|---------------|
| *ESC001 | 78mm diameter |
| *ESC002 | Pendulum Saw  |

FEIN OSCILLATING MACHINE



FEIN BACKUP PAD



OSCILLATING BLADES



Technical Specification: Page 39

### FURTHER ACCESSORIES INFORMATION

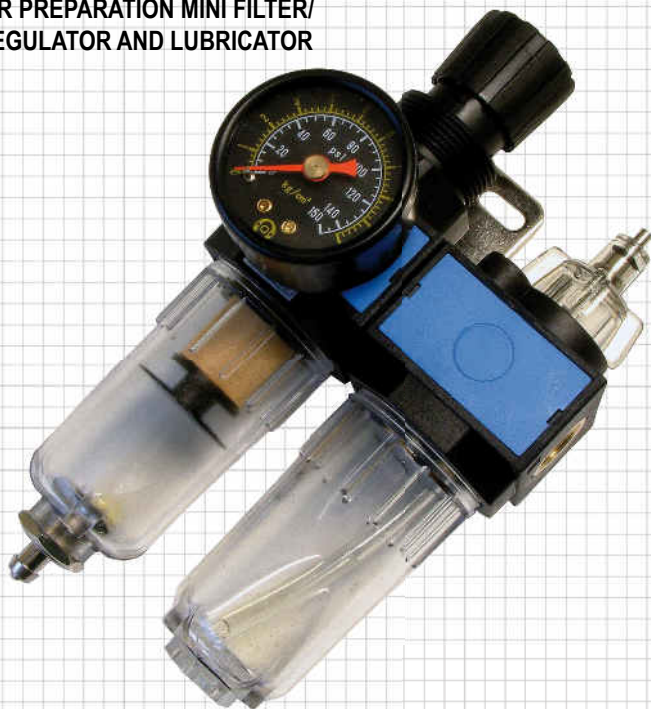
FEIN TRIANGULAR PADS - Page 22  
FEIN OSCILLATING BLADES - Page 6

When ordering please state Code.

\*Denotes ex-stock

# accessories

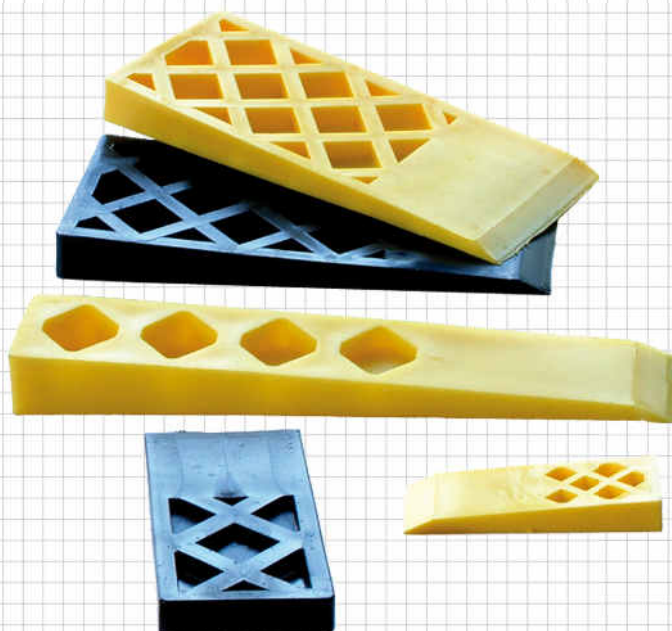
## AIR PREPARATION MINI FILTER/ REGULATOR AND LUBRICATOR



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<br>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<br>130mm x 55mm<br>100mm x 38mm<br>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



## STRIP, RE-PLATE & RE-TIP SERVICE

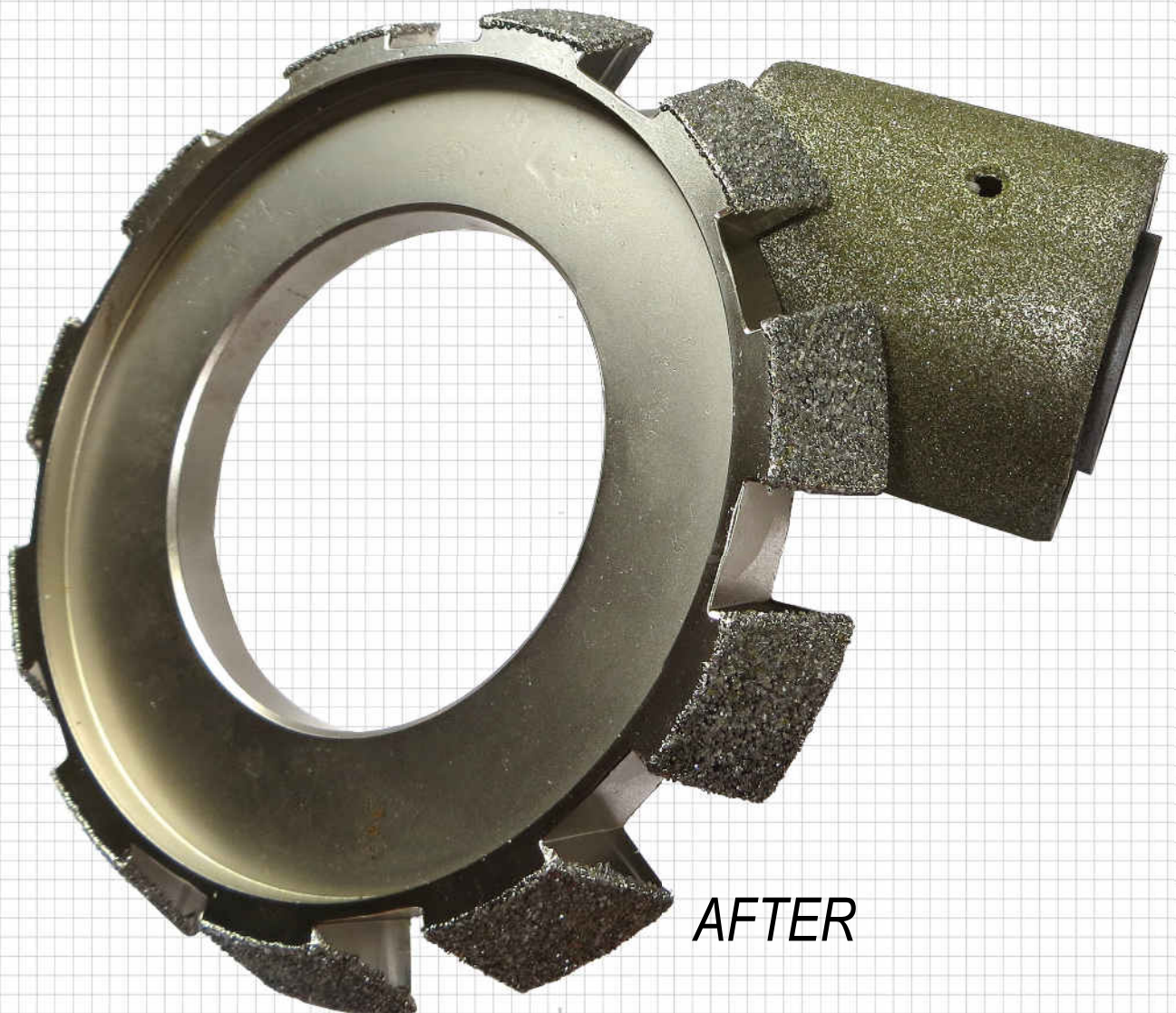
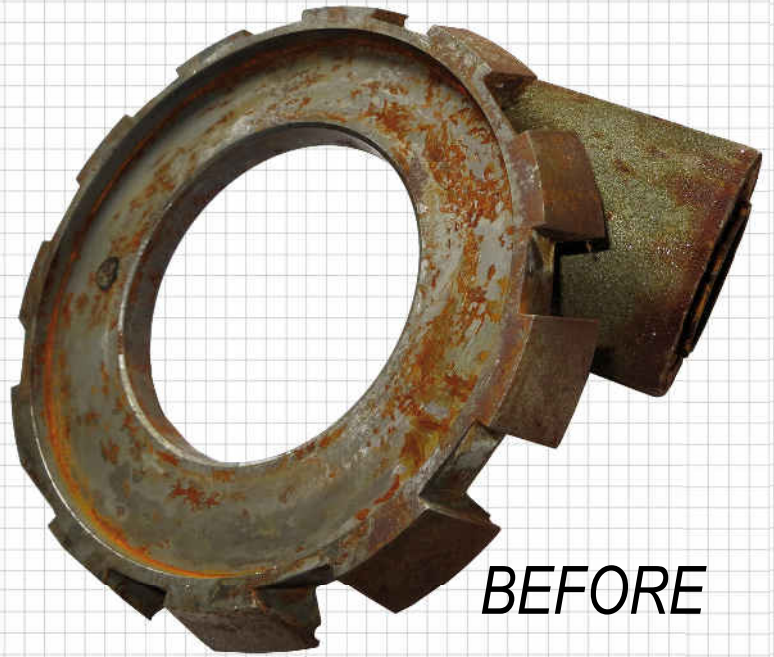
A strip and replate service for your used electroplated tools, this could save you up to 40% on your tooling costs. Please ask for a quotation.

### 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



# 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 <sup>2</sup> | 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        | kg/sq cm     | litre/min       |
| 20,000     | 6-7          | 425             |

## 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        | kg/sq cm     | litre/min       |
| 12,700     | 6-7          | 565             |

## 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        | kg/sq cm     | litre/min       |
| 72,000     | 6-7          | 340             |

## 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        | kg/sq cm     | litre/min       |
| 12,700     | 6-7          | 565             |

## 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        | kg/sq cm     | litre/min       |
| 12,000     | 6-7          | 536             |

## 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         | 15 cfm @ 90 psi |

## AIR BELT POLISHERS - PAGE 34

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

## FEIN MULTITALENT OSCILLATING - PAGE 35

| WEIGHT | SPEED                    | VOLTAGE |
|--------|--------------------------|---------|
| 1.9 kg | Variable 11,000 - 20,000 | 110     |

## OIL MIST LUBRICATOR - PAGE 36

Compact size up to 1650 litres/minute 55 cfm air flow 1/4" BSP fittings.

Operating pressure range 0.5-8.0kgf/cm<sup>2</sup> 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.

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 AMP-Teknik A/S.

*Diamond Tools also available for: —*



STONE



STONE CNC



GLASS



FLEXIBLE



ENGINEERING



FLOOR

**Diamond tools for**

**AMP TEKNIK A/S**

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