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**MOLERODA FINISHING SYSTEMS**

Manufacturers & Suppliers of Deburring & Finishing Tools

**EASY ORDERING**  
***FAST DELIVERY***

**OVER**  
**3000**  
**UNIQUE PRODUCTS**

**OUR PARTNERS**



**GRINDING, ABRASIVE &  
DEBURRING CONSUMABLES**



**POLISHING CONSUMABLES**



**COMPOUNDS, PASTES  
& SPRAYS**



**TOOLS & EQUIPMENT**



**MASS FINISHING**



**SAFETY & INSPECTION**

**Moleroda has seen some big changes with an expanding sales team and new product ranges.**

Many thanks to all our existing and new customers who have supported us and continue to do so. We enjoy working with you to solve your finishing challenges.

In such a politically uncertain climate, we look positively at the future and like many of our customers we have made the appropriate plans to ensure business continues smoothly throughout the UK's transition to leaving Europe.

We see **the UK as key to our growth** and therefore we are expanding our sales team nationwide.



**Proud of our products that are made here in our factory near Salisbury, we have launched the "RODA" brand.** RODA is a superior range of polishing and deburring products for precision finishing.

The RODA range includes: RODA NyWheels, RODA NyMops, RODA Felt and RODA Points and each product consistently over-delivers on performance and efficiency. Look out for the RODA label and ask our team for information about the range.



**We are also happy to introduce our new radial disc range, SUNBURST.**

SUNBURST discs are a great alternative to wire and nylon. Safer, flexible, longer lasting and faster to use, the unique range is made from thermoplastic-bonded abrasive and is used by aerospace, auto, marine and the jewellery industry. See page 8.



We look forward to working with you in the coming years and helping you get the finishes you require.



**CALL - +44 (0)1722 711 988**

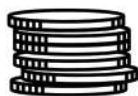
Open: Mon- Fri 9am - 5.00pm

You can set up an account with us to order over the phone for fast and easy ordering and take advantage of a 30 day credit account. We ask new customers to pay via proforma for the first 3 orders. Our minimum order for telephone and email orders is £25 net, for smaller orders please refer to our website.



**EMAIL - [sales@moleroda.com](mailto:sales@moleroda.com)**

Haven't got time to chat? No problem! Send us over an email with your purchase order.



**WAYS TO PAY**

Call us with your card details or pay via BACS.



**ONLINE - [www.moleroda.com](http://www.moleroda.com)**

Browse our latest products and prices and order on line 24/7 from your desktop, mobile or tablet. And it doesn't stop there! Visit our site for tips, hints and product videos.

**Are you a jeweller? Visit our sister website - [www.polishingjewellery.co.uk](http://www.polishingjewellery.co.uk)**



**DELIVERY**

We always aim to dispatch same day if your item is in stock (ordered before 3pm). However, many of our products are made in our UK Wiltshire factory or bought to order so these will have a longer lead time. If you require something urgently, please call us to discuss.



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# **SUNBURST®**

### WHAT IS SUNBURST?

Sunburst is a unique range of thermoplastic-bonded abrasives for deburring, finishing, cleaning and polishing metals, plastics, acrylics, ceramics and woods.

- Available individually & in handy assortments in multiple grits, shapes and sizes. Colour coded for easy identification.
- Use with precision flex-shaft tools and micro-motors, bench & variable speed angle grinders. Preferred choice for CNC machines and robotics where conformability and durability are key.

### ABRASIVE-FILLED THROUGHOUT



### LIMITLESS APPLICATIONS

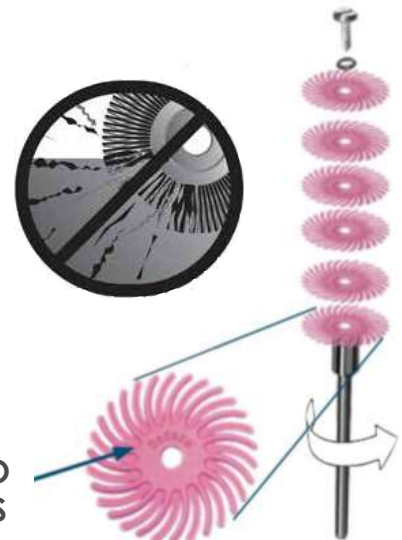
**JEWELLERY** - Precision range is ideal for finishing, smoothing and high-lustre polishing of all precious, semi-precious and non-precious metals. No messy compounds required! Even the pumice discs will not scratch stones.

**WOODWORKING** - Superior to sandpaper, flap wheels and other types of sanders, brushes and abrasive wheels for woodcarving and woodworking.

**INDUSTRIAL** - Instantly removes rust, corrosion, paint and more from metal surfaces. Especially effective on aluminium and stainless steel for MRO, metal fabrications and job shops serving Aerospace, Auto, Marine and general industry.

**SUNBURST** radial bristle discs and brushes are the perfect alternative to wire and nylon. Experience improved performance without threat of injury.

- **SAFER** - Danger from high-velocity needle-like flying wire is eliminated.
- **FLEXIBLE** - Will not scratch or gouge the underlying surface.
- **BETTER** - Works faster and more efficiently than wire brushes. Easily achieves a constant, quality finish with light pressure.



**STACK WITH LOGO  
FACING UPWARDS**

## COLOUR CODE

**Ultra-Coarse**  
36 Grit  
(A/O)

**Extra-Coarse**  
50 Grit  
(A/O)

**Coarse**  
80 Grit  
(A/O)

**Medium**  
120 Grit  
(A/O)

**Standard**  
220 Grit  
(A/O)

**Fine**  
400 Grit  
(A/O)

**Fine**  
600 Grit  
(Pumice)

**Extra-Fine**  
6 Micron  
(A/O)

**Ultra-Fine**  
1 Micron  
(A/O)

A/O = Aluminum Oxide

## SUNBURST FEATURES

**CONFORMABILITY** - Flexible bristles conform to contours, cracks and corners while working equally well on flat surfaces.

**LONG-LASTING** - Uniformly blended bristles guarantee extended wear life and a consistent, uniform finish.

**COOL RUNNING** - Generates minimal heat reducing potential damage or distortion to the work surface.

**OPERATING SPEEDS** - Recommended operating speeds for most applications is 3,000 - 18,000 RPM (5,000 for wood working). Lower speeds allow a softer touch, greater flexibility and more subtle results. Higher speeds provide more aggressive material removal. Using the tip of the bristles with light pressure maximizes disc life.

**MODULAR** - Use a single disc for tight areas like slots and grooves or stack them for larger surface areas.

Bristle Disc Guide		
 <p><b>TC</b> - Curved, thinner bristles for greater conformability than <b>TA</b> and <b>TS</b>.</p> <p>Single Directional</p>	 <p><b>TA</b> - Angled, thicker bristles for greater aggressiveness but less conformability than <b>TC</b>.</p> <p>Single Directional</p>	 <p><b>TS</b> - Straight, thick bristles for greater aggressiveness but less conformability than <b>TA</b>.</p> <p>Dual Directional</p>

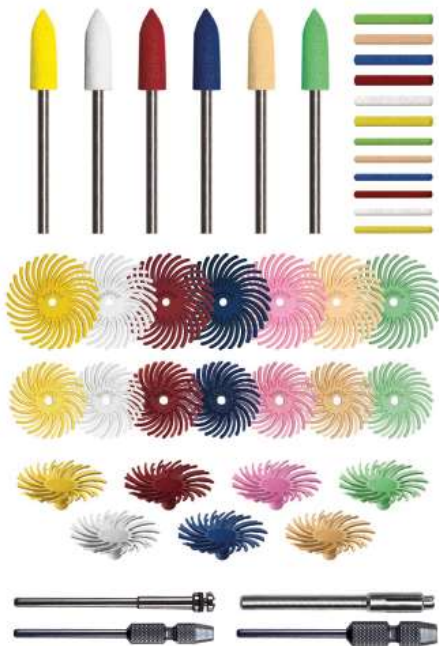


DELUXE ASSORTMENT

DELUXE ASSORTMENT

This complete introductory set includes - 1/2" Snap-On, 5/8" & 7/8" Discs, 2mm & 3mm.

Polishing Pins and Points in all grit textures on a 2.35mm shank and 4 off 2.35 mandrels to suit the assortment.



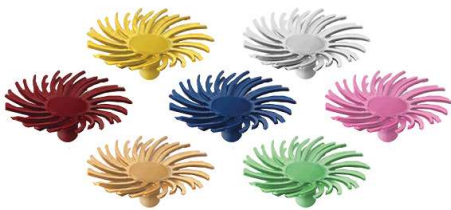
116 PIECE DELUXE ASSORTMENT		
1209		
1209		✓
REF - DED-DELUXEASSORTMENT		

1/2" TC SNAP-ON

1/2" TC SNAP-ON

1/2" TC Snap-On Assortment - 6 of each in all 7 grit textures plus 1 off 5431 (2.35mm)mandrel.

2.35mm mandrels sold separately, discs available individually.



1/2" TC SNAP-ON		
1350		
Assortment		✓
Individually		✓
Mandrel 5431 - 2.35mm		✓
REF - DED-1/2"-SNAPON		

5/8" TC RADIAL DISCS

5/8" TC RADIAL DISCS

5/8" TC Assortment - 12 of each in all 7 grit textures plus 1 off 5425 (2.35mm) mandrel and 1 off 0261 (1/8) mandrel.

3mm mandrels sold separately, discs available individually.



5/8" TC RADIAL DISCS		
1220		
Assortment		✓
Individually		✓
Mandrel MM503 - 2.35mm		✓
Mandrel MM503 - 3mm		✓
REF - DED-5/8-TCRADIAL		

## 7/8" TC RADIAL DISCS

### 7/8" TC RADIAL DISCS

7/8" TC Assortment - 12 of each in all 7 grit textures plus 1 off 5425 (2.35mm) mandrel and 1 off 0261 (1/8) mandrel.

3mm mandrels sold separately, discs available individually.



7/8" TC RADIAL DISCS	
1240	
Assortment	✓
Individually	✓
Mandrel MM503 - 2.35mm	✓
Mandrel MM503 - 3mm	✓
REF - DED-7/8-TCRADIAL	

## 7/8" TC 4-PLY

### 7/8" TC 4-PLY

7/8" TC 4-Ply Assortment - 1 of each in all 7 grit textures 3/32" (2.35mm) shanks.

Grades available in individual 4 ply units - on a 2.35 only.



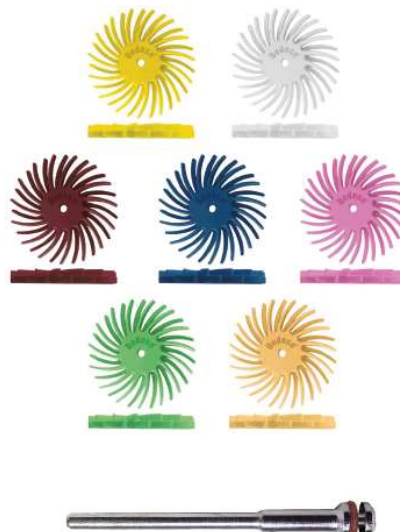
7/8" TC 4-PLY	
1260	
Assortment - 2.35 ONLY	✓
Each 4 Ply Unit - 2.35 spindle ONLY	✓
REF - DED-7/8-TCRADIAL-4PLY	

## 7/8" TC DUAL DISCS

### 7/8" TC DUAL DISCS

7/8" TC Dual Disc Assortment - 6 of each in all 7 grit textures plus 1 off 5425 (2.35) mandrel.

3mm mandrels sold separately, discs available individually.



7/8" TC DUAL DISCS	
1920	
Assortment	✓
Individually	✓
Mandrel MM503 - 2.35mm	✓
Mandrel MM503 - 3mm	✓
REF - DED-7/8-TCRADIAL-DUAL	

## 7/8" TC KNIFE-EDGE

### 7/8" TC KNIFE-EDGE

7/8" TC Knife-Edge Assortment - 6 of each in all 7 grit textures plus 1 off 5425 (2.35mm) mandrel.

3mm mandrels sold separately, discs available individually.



7/8" TC KNIFE-EDGE	
1940	
Assortment	✓
Individually	✓
Mandrel MM503 - 2.35mm	✓
Mandrel MM503 - 3mm	✓
REF - DED-7/8"-TCKNIFE-EDGE	

## 1" TC RADIAL DISCS

### 1" TC RADIAL DISCS

1" TC Assortment - 8 of each in all 6 grit textures plus two 1363 (1/8) mandrels.

2.35mm & 3mm mandrels sold separately, discs available individually.



1" TC RADIAL DISCS	
1270	
Assortment	✓
Individually	✓
Mandrel MM503 - 2.35mm	✓
Mandrel MM503 - 3mm	✓
REF - DED-1"-TCRADIA	

## ALL-IN-ONE KIT

### ALL-IN-ONE

83-piece All-In-One Assortment This popular set includes 4 each 5/8", 7/8" & 1" in all grit textures plus 0261 (1/8), 1363 (1/8) & 5425 (2.35) mandrels.

2.35mm & 3mm mandrels sold separately, discs available individually.



ALL-IN-ONE	
1210	
Assortment	✓
Mandrel MM503 - 2.35mm	✓
Mandrel MM503 - 3mm	✓
REF - DED-SET-1210	

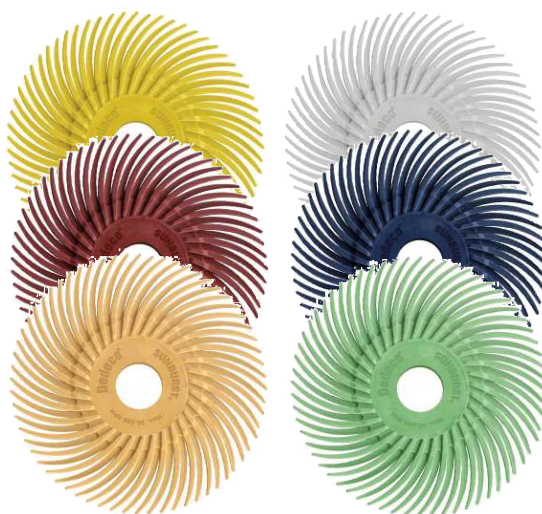


### 3" TC RADIAL DISC

#### 3" TC RADIAL DISC

3" TC Radial Discs

Mandrels sold separately,  
discs available individually.



#### 3" TC RADIAL DISC

**Individually**

✓

REF - DED-3"-TCRADIAL

### 3" TC RADIAL DISC 3 PLY

#### 3" TC RADIAL DISC 3 PLY

3" TC Radial Discs 3 Ply

Mandrels sold separately,  
discs available  
individually.



#### 3" TC RADIAL DISC 3 PLY

**1330**

**Assortment of 6**

✓

**Individually**

✓

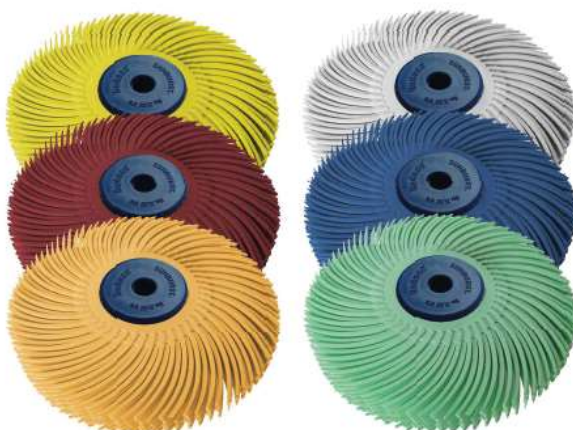
REF - DED-3"-TCRADIAL-ASSORT

### 3" TC RADIAL DISC 6 PLY

#### 3" TC RADIAL DISC 6 PLY

3" TC Radial Discs 6 Ply

Mandrels sold separately,  
discs available individually.



#### 3" TC RADIAL DISC 6 PLY

**1340**

**Assortment of 6**

✓

**Individually**

✓

REF - DED-3"-TCRADIAL-6 PLY

### 3" TA RADIAL DISCS

#### 3" TA RADIAL DISCS

3" TA Radial Discs. For use on a bench grinder. Available in 4 grades.

Mandrels sold separately, discs available individually.



#### 3" TA RADIAL DISCS

Individually ✓

REF - DED-3"-TARADIAL

### E-Z LOC BRUSHES

#### E-Z LOC BRUSHES

E-Z Loc Brushes. Available in 1", 2" & 3" in 4 grit textures.

Please contact us if you can't see the size or grade you want.

Mandrels sold separately, brushes available individually.



#### E-Z LOC BRUSHES

2" 36g Brown ✓

3" 50g Green ✓

3" 80g Yellow ✓

1" 120g White ✓

REF - DED- (SIZE) E-ZLOCBRUSH

#### E-Z LOC MANDRELS

1" (25mm) ✓

2" (50mm) ✓

3" (75mm) ✓

REF - ROLOC-25/50/75

### 3" TA E-Z LOC DISCS

#### 3" TA E-Z LOC DISCS

3" TA E-Z Loc Discs. Available in 4 grit textures.

Mandrels sold separately, discs available individually.



#### 3" TA E-Z LOC DISCS

Mandrel 3" (Roloc) ✓

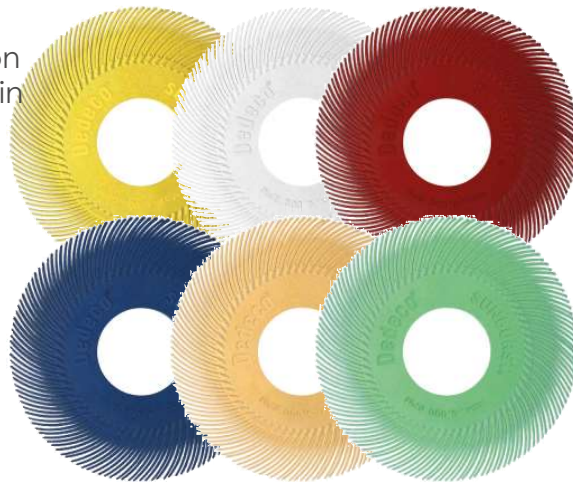
REF - DED-3"E-ZLOCDISCS

## 6" TC RADIAL DISCS

### 6" TC RADIAL DISCS

6" TC Radial Discs. For use on a bench grinder. Available in 6 grades.

Hubs sold separately, discs available individually.



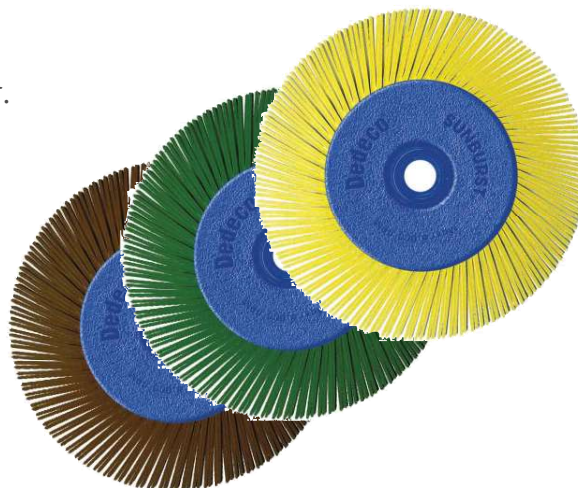
#### 6" TC RADIAL DISCS

<b>Taper</b>	✓
<b>Flange &amp; Adapter</b>	✓
<b>REF - DED-3"-TARADIAL</b>	

## 6" X 1/2" TA RADIAL DISCS

### 6" X 1/2" TA RADIAL DISCS

6" X 1/2" TA Radial Discs. For use on a bench grinder. Available in 3 grades.



#### 6" X 1/2" TA RADIAL DISCS

<b>1890 36g - Brown</b>	✓
<b>1891 50g - Green</b>	✓
<b>1892 80g - Yellow</b>	✓
<b>REF - DED-6"X1/2"TA RADIAL</b>	

## 8" X 1" TS RADIAL DISCS

### 8" X 1" TS RADIAL DISCS

8" X 1" TS Radial Discs. For use on a bench grinder. Available in 3 grades.



#### 8" X 1" TS RADIAL DISCS

<b>1904 50g - Green</b>	✓
<b>1905 80g - Yellow</b>	✓
<b>1906 120g - White</b>	✓
<b>REF - 8"x1"</b>	

### ALSO AVAILABLE

10X1" TS Radial Discs or individual loose leaves. Please contact us for details.





## GRINDING, ABRASIVE & DEBURRING CONSUMABLES

P17-29 - GRINDING STONES  
P30-49 - GRINDING & HAND TOOLS  
P50-84 - MOUNTED GRINDING TOOLS  
P85-95 - GRINDING WHEELS  
P96 - GRINDING BELTS

## GRINDING ABRASIVES & DEBURRING

Grinding and Deburring is a critical part of the manufacturing process. In this section you will find the tools necessary for the initial surface preparation stages and burr removal. With any form of cutting or shaping, burrs will form to various degrees. Our range of grinding and deburring tools span from heavy duty cutting tools in the form of files and carbide burrs through to delicate micron level finishing with a full range of abrasive cloths and papers.

As well as traditional mould tool polishing stones we also offer ceramic stones which are extremely popular, particularly when paired with reciprocatory and ultrasonic systems found later in our tool section. You will also find files and ceramic deburring knives for hand finishing.

Moleroda carries a wide selection of mounted points starting coarse with carbide burrs, diamond points and vitrified points in a range of grades, through to finer more specialist MX points, ever popular Roda abrasive nylon, rubber points and radial discs. We can also offer the Xebec range of extended cross hole and bore deburring. We can advise on the right product for the material and application.

You will also find larger scale abrasives in this section including abrasive belts for finishing, large lap disc mops and flapwheels as well as angle grinder attachments in various materials.



STONE	USES/CHARACTERISTICS	DESCRIPTION
EDM	A hard structured stone especially developed for the polishing of EDM machined surfaces. Breaks down slowly and retains shape. Excellent results on all hard tool steels.	Hard Aluminium Oxide, Colour: Orange Grits: 120, 180, 220, 320, 400, 600 Gesswein Equivalent: EDM
Y2K	New stone - alternative to EDM - with specialist additives to provide a fine, smooth finish. Harder, fast cutting, for intricate stoning work. Can be used dry or with stoning oil. Especially suitable for use in reciprocators and ultrasonic machines.	Semi-Hard Aluminium Oxide, Colour: Blue Grits: 120, 180, 220, 320, 400, 600
Mould Master	A tough stone with minimum bonding material. Permits fast cutting, breaks down slowly and evenly. Use on all hardened steels. Superb performance on EDM surfaces.	Hard Silicon Carbide, Colour: Dark Grey Grits: 80, 120, 150, 240, 320, 400, 600
Res-Cut	A hard resin-treated stone. 1/4 x 1/8" 220g and 320g are especially good for use in ultrasonic machines on EDM surfaces and all hardened steels. Good cutting stone, breaks down slowly. Load resistant. Can be used dry.	Hard Aluminium Oxide, Colour: Brown Grits: 120, 180, 220, 320, 400, 600
R-Max	A hard resin-bonded stone which holds its shape and maintains a sharp edge. Recommended for intricate finishing work. Works well with ultrasonic polishing.	Very Hard Aluminium Oxide, Colour: Green/Brown Grits: 90, 120, 180, 220, 320, 400, 600 Gesswein Equivalent: RA
Ruby	Sharp grains in a medium bond result in an aggressive cutting stone. Very good results and finish on all hard tool steels and exotic metals. Maintains shape, load resistant.	Sharp Aluminium Oxide, Colour: Pink Grits: 60, 80, 100, 120, 150, 220, 320
YL-Oil	Oil-filled to prevent loading. Very popular stone widely used for EDM scale removal. Good cutting with moderate breakdown. Can be used dry or with stoning oil.	Semi-Hard Aluminium Oxide, Colour: Ivory Grits: 100, 120, 150, 220, 320, 400, 600, 800 Gesswein Equivalent: OT
Super	A good general purpose mould polishing stone, made of premium aluminium oxide.	Semi-Hard Premium Aluminium Oxide, Colour: White Grits: 100, 120, 150, 220, 320, 400, 600
Die*Star	Very popular stone, excellent for all mould and die surface finishing. Fast cutting, load resistant stone, quickly conforms to contours.	Medium/Soft Aluminium Oxide, Colour: Tan/Green Grits: 100, 150, 220, 320, 400, 600, 900 Gesswein Equivalent: DF
Regular	Made from premium green silicon carbide grain. Fast cutting with a medium break down rate. For general mould and die polishing on all tool steels. Breaks down evenly and retains shape.	Medium Silicon Carbide, Colour: Grey/Green Grits: 80, 120, 150, 240, 320, 400, 600, 800 Gesswein Equivalent: MF
Flex	Resilient resin-bonded stone. Extremely snap-resistant, particularly in small sizes. Recommended as a finishing stone as resin bond produces high lustre finish. Especially good for slots, ribs and other intricate shapes.	Hard Aluminium Oxide, Colour: Grey/Brown Grits: 150, 240, 320, 400, 600,
Superfine	An accurately graded fine grit stone. Soft bonded with rapid breakdown for final finishing work.	Soft Aluminium Oxide, Colour: White Grits: 400, 600, 800, 900, 1000, 1200
LA	A soft stone made of very fine grit (1000+) levigated alumina. Excellent for final surface preparation before diamond finishing.	Levigated Alumina, Colour: White
Extra Soft	Exhibits rapid breakdown and quickly forms to a contour. Primarily for use on unhardened steels and non-ferrous material. Fast cutting.	Soft Silicon Carbide, Colour: Grey Grits: 80, 120, 150, 240, 320, 400, 600
Super Soft	A very soft bonded stone with a non-loading, rapid breakdown. Recommended for aluminium, stainless steel and other softer non-ferrous metals. Fast cutting.	Soft Aluminium Oxide, Colour: White Grits: 80, 120, 150, 180, 220, 320

Hardest to Softest

GRINDING

**EDM**  
**Hard Aluminium Oxide**  
All 1/16" stones are 6" long except 5/32" sq. and 1/8" sq. stones, which are 4" long.  
Other sizes and grits are available to order.  
Some Boride and Gesswein stones can also be supplied.  
These hard structured stones are especially developed for the polishing of EDM machined surfaces.

- Breaks down slowly and retains shape.
- Excellent results on all hard tool steels.

## Orange/Brown Boxed per 12

(Half Boxes Available)



GRINDING

EDM						
Size (")	AVAILABLE GRITS					
	120	180	220	320	400	600
RECTANGULAR						
1/4 x 1/16	✓	✓	✓	✓	✓	✓
1/4 x 1/8	✓	✓	✓	✓	✓	✓
1/2 x 1/16	✓	✓	✓	✓	✓	✓
1/2 x 1/8	✓	✓	✓	✓	✓	✓
1/2 x 1/4	✓	✓	✓	✓	✓	✓
3/4 x 1/4	X	✓	X	X	X	X
1 x 1/8	X	✓	X	✓	✓	✓
1 x 1/4	X	X	✓	✓	X	X
1 x 1/2	✓	✓	X	✓	X	X
SQUARE						
1/8 sq.	✓	✓	✓	✓	✓	✓
5/32 sq.	✓	✓	✓	✓	✓	✓
1/4 sq.	✓	✓	✓	✓	✓	✓
3/8 sq.	✓	✓	✓	✓	✓	✓
1/2 sq.	✓	✓	✓	✓	✓	X
1 sq.	✓	X	X	X	X	X
TRIANGULAR						
1/4 tri.	✓	✓	✓	✓	✓	✓
3/8 tri.	✓	✓	✓	✓	✓	✓
1/2 tri.	X	✓	✓	✓	✓	X
ROUND						
5/32 dia.	✓	✓	X	✓	✓	X
1/4 dia.	✓	✓	✓	✓	✓	X
3/8 dia.	✓	✓	✓	✓	X	X
1/2 dia.	X	✓	X	✓	X	X
HALF ROUND						
3/8 dia.	X	X	✓	✓	✓	X
1/2 dia.	X	X	X	✓	X	X
ORDER REF - EDM(SIZE & GRIT)						

## DIE\*STAR

### Medium/Soft Aluminium Oxide

Very popular stone, excellent for all mould and die surface finishing.

Fast cutting, load resistant stone, quickly conforms to contours.

### Grey

Boxed per 12. (Half Boxes Available)



DIE STAR									
Size ("")	AVAILABLE GRITS								
	100	150	180	220	320	400	500	600	900
RECTANGULAR									
1/4 x 1/16	X	X	✓	✓	✓	✓	X	X	X
1/4 x 1/8	✓	✓	✓	✓	✓	✓	✓	✓	X
1/2 x 1/16	✓	✓	✓	✓	✓	✓	✓	✓	X
1/2 x 1/8	✓	✓	✓	✓	✓	✓	✓	✓	✓
1/2 x 1/4	✓	✓	✓	✓	✓	✓	✓	✓	✓
3/4 x 1/2	✓	✓	✓	✓	X	X	X	X	X
1 x 1/8	X	X	✓	X	✓	X	X	X	X
1 x 1/4	X	✓	✓	✓	✓	✓	✓	✓	✓
1 x 1/2	✓	✓	✓	✓	✓	✓	✓	✓	X
1 x 3/4	X	X	✓	X	X	X	X	X	X
1.1/4 x 1/4	X	X	X	X	✓	✓	✓	✓	X
SQUARE									
1/8 sq.	X	✓	✓	✓	✓	✓	✓	✓	X
5/32 sq.	X	✓	✓	✓	✓	✓	✓	✓	X
1/4 sq.	✓	✓	✓	✓	✓	✓	✓	✓	✓
3/8 sq.	X	✓	✓	✓	✓	✓	X	✓	X
1/2 sq.	X	✓	✓	✓	✓	✓	✓	✓	X
TRIANGULAR									
1/4 tri.	✓	X	✓	X	✓	X	X	X	X
3/8 tri.	X	X	X	✓	✓	X	X	X	X
1/2 tri.	X	X	X	X	X	✓	X	✓	✓
ROUND									
5/32 dia.	X	X	X	X	X	X	X	✓	X
1/4 dia.	X	✓	✓	✓	✓	✓	X	✓	X
3/8 dia.	X	X	X	✓	✓	✓	X	✓	X
1/2 dia.	X	X	X	X	X	X	X	X	X
HALF ROUND									
1/2 dia.	X	X	X	✓	X	X	X	X	X
ORDER REF - DS(SIZE & GRIT)									



## MOULDMASTER Hard Silicon Carbide

A tough stone with minimum bonding material. Permits fast cutting, breaks down slowly and evenly. Use on all hardened steels. Superb performance on EDM surfaces.

**Blue/Grey**  
**Boxed Per 12.**



MOULDMASTER							
Size ("")	AVAILABLE GRITS						
	80	120	150	240	320	400	600
RECTANGULAR							
1/4 x 1/16	X	✓	✓	✓	✓	✓	X
1/4 x 1/8	X	✓	✓	✓	✓	✓	✓
1/2 x 1/16	X	✓	✓	✓	✓	✓	X
1/2 x 1/8	X	✓	✓	✓	✓	✓	✓
1/2 x 1/4	✓	✓	✓	✓	✓	✓	✓
SQUARE							
5/32 sq.	X	✓	✓	✓	✓	✓	✓
1/4 sq.	✓	✓	✓	✓	✓	✓	✓
1/2 sq.	X	X	✓	✓	✓	✓	✓
ORDER REF - MM(SIZE & GRIT)							

## YL-OIL Semi-Hard Aluminium Oxide

Oil-filled to prevent loading. Very popular stone widely used for EDM scale removal. Good cutting and moderate break down. Can be used dry or with stoning oil.

**Yellow**  
**Boxed Per 12.**



YL OIL							
Size ("")	AVAILABLE GRITS						
	120	150	220	320	400	600	800
RECTANGULAR							
1/4 x 1/16	X	✓	X	✓	✓	X	X
1/4 x 1/8	✓	✓	✓	✓	✓	✓	✓
1/2 x 1/16	✓	✓	X	✓	✓	✓	✓
1/2 x 1/8	✓	✓	✓	✓	✓	✓	✓
1/2 x 1/4	✓	✓	✓	✓	✓	✓	✓
3/4 x 3/8	X	X	X	X	✓	✓	X
3/4 x 1/2	X	X	X	✓	✓	✓	X
SQUARE							
5/32 sq.	✓	✓	✓	✓	✓	✓	✓
1/4 sq.	✓	✓	✓	✓	✓	✓	✓
1/2 sq.	X	X	X	✓	X	X	X
1 sq.	X	X	✓	✓	X	X	X
ORDER REF - YL(SIZE & GRIT)							

## EXTRA-SOFT Soft Silicon Carbide

Exhibits rapid breakdown and quickly forms to a contour. Primarily used on unhardened steels and non-ferrous material. Fast cutting.

**Dark Grey**  
**Boxed Per 12.**



X-SOFT							
Size ("")	AVAILABLE GRITS						
	80	120	240	320	400	600	800
RECTANGULAR							
1/2 x 1/8	X	✓	✓	✓	✓	✓	✓
1/2 x 1/4	✓	✓	✓	✓	✓	✓	✓
SQUARE							
5/32 sq.	X	✓	X	X	X	X	X
ORDER REF - ES(SIZE & GRIT)							

## R-MAX

### Very Hard Aluminium Oxide

A hard resin-bonded stone which holds its shape and a sharp edge. Recommended for intricate finishing work. Works well for ultrasonic polishing.

**Brown**

**Boxed Per 12.**



R-MAX								
Size ("")	AVAILABLE GRITS							
	90	120	180	220	280	320	400	600
RECTANGULAR								
1/4 x 1/16	X	X	X	X	✓	✓	✓	X
1/4 x 1/8	X	✓	✓	✓	✓	✓	✓	✓
1/2 x 1/16	X	✓	✓	✓	✓	✓	✓	X
1/2 x 1/8	X	X	✓	✓	✓	✓	X	X
1/2 x 1/4	✓	✓	✓	✓	✓	✓	✓	✓
SQUARE								
1/8 sq.	X	X	✓	X	✓	X	X	X
5/32 sq.	X	X	X	✓	✓	✓	✓	✓
1/4 sq.	✓	✓	✓	✓	✓	✓	✓	✓
ROUND								
5/32 dia.	X	X	X	✓	✓	✓	✓	✓
ORDER REF - RM(SIZE & GRIT)								

GRINDING

## REGULAR

### Medium Silicon Carbide

Made from premium green silicon carbide grain. Fast cutting with a medium breakdown rate. For general mould and die polishing on all tool steels. Breaks down evenly and retains shape.

**Green/Grey**

**Boxed Per 12.**



REGULAR										
Size ("")	AVAILABLE GRITS									
	80	120	150	180	240	320	400	500	600	800
RECTANGULAR										
1/4 x 1/8	X	X	✓	X	X	✓	X	X	X	X
1/2 x 1/16	X	X	X	X	X	✓	X	X	X	X
1/2 x 1/8	✓	✓	✓	✓	✓	✓	✓	X	X	X
1/2 x 1/4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3/4 x 1/4	X	X	✓	X	X	X	X	X	X	X
3/4 x 1/2	X	✓	✓	X	✓	✓	X	✓	X	X
1 x 1/2	X	✓	X	X	✓	✓	X	✓	X	X
1 x 1.1/2	X	X	X	X	X	✓	X	X	X	X
SQUARE										
1/4 sq.	X	✓	✓	✓	✓	✓	✓	✓	✓	✓
3/8 sq.	X	X	✓	X	X	X	✓	X	X	X
1/2 sq.	X	X	✓	✓	✓	✓	✓	X	X	X
1 sq.	X	X	✓	X	X	X	X	X	X	X
ORDER REF - REG(SIZE & GRIT)										

## RUBY

### Medium Sharp Aluminium Oxide

Sharp grains in a medium bond result in an aggressive cutting stone. Very good results and finish on all hard tool steels and exotic metals. Maintains shape, load resistant.

**Pink**

**Boxed Per 12.**



RUBY							
Size ("")	AVAILABLE GRITS						
	60	80	100	120	150	220	320
RECTANGULAR							
1/4 x 1/16	X	X	X	✓	✓	✓	✓
1/4 x 1/8	X	X	✓	✓	✓	✓	✓
1/2 x 1/16	X	X	X	✓	✓	✓	✓
1/2 x 1/8	X	X	✓	✓	✓	✓	✓
1/2 x 1/4	✓	X	✓	✓	✓	✓	✓
1 x 1/2	X	X	X	✓	X	X	X
SQUARE							
5/32 sq.	X	X	X	X	X	✓	X
1/4 sq.	✓	✓	✓	✓	✓	✓	✓
ORDER REF - RU(SIZE & GRIT)							

## SUPERSOFT

### Soft Aluminium Oxide

A very soft bonded stone with a non-loading, rapid breakdown. Recommended for aluminium, stainless steel and other softer non-ferrous metals. Fast cutting.

**White**

**Boxed Per 12.**



SUPERSOFT						
Size ("")	AVAILABLE GRITS					
	80	120	150	180	220	320
RECTANGULAR						
1/2 x 1/8	X	X	X	X	✓	X
1/2 x 1/4	✓	✓	✓	✓	✓	✓
SQUARE						
1/4 sq.	X	✓	✓	X	✓	X
ROUND						
1/4 dia.	✓	X	✓	X	X	✓
ORDER REF - SS(SIZE & GRIT)						

## SUPER

### Semi-Hard Premium Aluminium Oxide

A good general purpose mould polishing stone, made from premium grade aluminium oxide.

**White**

**Boxed Per 12.**



SUPER				
Size ("")	AVAILABLE GRITS			
	150	220	320	400
RECTANGULAR				
1/2 x 1/16	X	✓	X	✓
1/2 x 1/8	X	✓	X	✓
1/2 x 1/4	✓	✓	✓	✓
SQUARE				
5/32 sq.	X	✓	X	X
1/4 sq.	X	✓	✓	X
ORDER REF - SU(SIZE & GRIT)				



**HOLDERS ON  
PAGE 29**

## FLEX

### Hard Aluminium Oxide

Extremely snap-resistant.  
Recommended as a finishing stone as the resin bond produces a high lustre finish. Especially good for slots, ribs and other intricate shapes.

**Grey/Brown**

**Boxed Per 12.**

FLEX				
Size (")	AVAILABLE GRITS			
	150	240	320	400
RECTANGULAR				
1/4 x 1/16	✓	✓	✓	✗
1/4 x 1/8	✓	✓	✓	✗
1/2 x 1/16	✓	✓	✓	✗
1/2 x 1/8	✓	✓	✓	✗
1/2 x 1/4	✗	✗	✗	✓
ORDER REF - FL(SIZE & GRIT)				



## RES-CUT

### Hard - Aluminium Oxide

A hard resin-treated stone. 1/4" x 1/8" 220g and 320g are especially good for use in ultrasonic machines, on EDM surfaces and all hardened steels. Good cutting stone, breaks down slowly.

**Brown**

**Boxed Per 12.**



RES-CUT						
Size (")	AVAILABLE GRITS					
	150	180	220	320	500	600
RECTANGULAR						
1/4 x 1/8	✗	✗	✓	✓	✗	✗
1/2 x 1/4	✓	✓	✓	✓	✗	✗
SQUARE						
5/32 sq.	✗	✗	✗	✗	✗	✓
1/4 sq.	✗	✗	✓	✓	✓	✗
ORDER REF - RC(SIZE & GRIT)						

GRINDING

## SUPERFINE

### Soft Aluminium Oxide

An accurately graded fine grit stone. Soft bonded with rapid breakdown for final finish work.

**White**

**Boxed Per 12.**



SUPERFINE						
Size (")	AVAILABLE GRITS					
	400	600	800	900	1000	1200
RECTANGULAR						
1/4 x 1/16	✗	✗	✗	✓	✗	✗
1/4 x 1/8	✗	✓	✓	✓	✓	✓
1/2 x 1/8	✗	✓	✓	✓	✓	✓
1/2 x 1/4	✓	✓	✓	✓	✓	✓
SQUARE						
1/4 sq.	✓	✓	✓	✓	✓	✓
ORDER REF - SF(SIZE & GRIT)						

## LA

### Levigated Alumina (1000+ grit)

A soft stone made of very fine grit. Excellent for final surface preparation before diamond finishing.

**White**

**Boxed Per 12.**

LA (LEVIGATED ALUMINA)	
Size (")	
RECTANGULAR	
1/4 x 1/8	✓
SQUARE	
1/4 sq	✓
ORDER REF - LA(SIZE & GRIT)	





## Y2K

### Blue EDM - Hard Aluminium Oxide

New stone - alternative to EDM - with special additives to provide a fine, smooth finish. Harder, fast cutting, for intricate stoning work. Can be used dry or with stoning oil. Especially suitable for use in reciprocators and ultrasonic machines.

Blue

Boxed Per 12.



Y2K					
Size ("")	AVAILABLE GRITS				
	120	180	220	320	400
RECTANGULAR					
1/4 x 1/8	✓	✓	✓	✓	X
1/2 X 1/16	✓	✓	X	✓	X
1/2 x 1/4	✓	✓	✓	✓	X
SQUARE					
5/32 sq.	X	✓	X	✓	✓
ORDER REF - Y2K(SIZE & GRIT)					

## Arkansas Stones

Selected quality, Hard Arkansas stones for use with oil.

- Genuine USA origin.
- Clean, sharp edges.
- Free from defects
- Superfine grade



## ROUGHING STONES

For large cavities  
Aluminium oxide  
A rapid working stone for stock removal and flattening large areas.



ROUGHING STONES		
Size ("")		Grits Available
1 x 1/2 x 6"	✓	80, 120
1 x 1/2 x 8"	✓	180 & 220
11/2 X 2 X 8"	✓	80 & 120
ORDER REF - RS		

## DRESSING STICKS

Used for shaping and cleaning mounted points and grinding wheels.



DRESSING STONES			
Size	Ref.		ORDER REF
GENERAL PURPOSE DRESSING STICKS			
25 x 25 x 150mm	C24/30 - Q - VDW	✓	DSGP
DIAMOND WHEEL DRESSING STICKS			
13 x 13 x 100mm	38A-2201VBE	✓	DSD
20 x 20 x 150mm	38A-2201VBE	✓	

## MX LAPPING STICKS

MX honing sticks are long lasting, strong and slow to load. They work on many metals and alloys: Stainless Steel, Steel, Aluminium and others.

**Note** - Grits give a finer finish than coated or resinoid abrasives i.e 36 grit gives approximately an 80 grit finish.



MX STICKS			
ORDER REF	SIZE (mm)	80g/120g/180g	220g/320g
MX146S	6 sq x 150	✓	✓
MX386S	10 sq x 150	✓	✓
MX126S	12 sq x 150	✓	✓
MX346S	20 sq x 150	✓	✓
MX16S	25 sq x 150	✓	✓
MX144R	6 dia x 100	✓	✓
MX384R	10 dia x 100	✓	✓
MX124R	12 dia x 100	✓	✓
Specify grit required: 80 120 180 220 320			
Round sticks can be supplied 150mm long subject to minimum order quantities and availability			

## PENCIL STONE SET NO.36

This assortment consists of 36 pieces  
5/32" sq. x 4" long pencil stones.  
Included are 6 of each

- Regular
- YL-oil
- EDM
- Ruby
- Super
- Mouldmaster

All in a variety of grits.



SET NO.36



ORDER REF - PSS36

## PENCIL STONE SET NO.12

This assortment consists of one  
of each of the following  
5/32" sq. x 4" long pencil stones:

- EDM -120g, 220g, 400g
- Die\*Star - 220g, 320g, 400g
- Mouldmaster - 150g, 320g
- YL-Oil - 220g, 400g
- R-Max - 400g
- R-Max 5/32" dia. - 320g



SET NO.12



ORDER REF - PSS12

## POLISHING STONE SET NO.72

This assortment consists of 72 pieces  
in various sizes, covering all of the  
10 grades of Mould and Diemaker  
polishing stones.  
Included are coarse (100g) stones up to  
superfine (1200g) Finishing stones.



SET NO.72



ORDER REF - PSS72

## PENCIL STONE SET NO.14

This assortment consists of 14 pieces  
1/4 x 1/2 x 6" long in the following grades:

- EDM -120g, 180g, 320g
- Die\*Star - 220g, 320g, 400g
- Mouldmaster - 150g, 320g
- YL-Oil - 400g
- Ruby - 220g
- Superfine - 900g
- Regular - 400g
- Also - 2 MX Finishing Sticks



SET NO.14



ORDER REF - PSS14

\*Kit contents may vary  
slightly from that pictured

GRINDING

BENCHSTONES			
ORDER REF	SIZE (mm)	GRADE	
SQUARE FILES			
F14	100 x 6	C/M/F	✓
F34	100 x 10	C/M/F	✓
F44	100 x 13	C/M/F	✓
ROUND FILES			
F214	100 x 6	C/M/F	✓
F234	100 x 10	M/F	✓
F244	100 x 13	M/F	✓
HALF-ROUND FILES			
F344	100 x 13	M/F	✓
TRIANGULAR FILES			
F114	100 x 6	C/M/F	✓
F134	100 x 10	C/M/F	✓
F144	100 x 13	C/M/F	✓

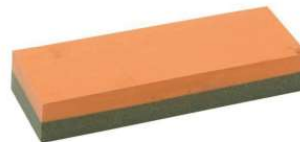
BENCHSTONES			
ORDER REF	SIZE (mm)	GRADE	
ROUND EDGE SLIP			
S14	100 x 25 x 11 x 5	M/F	✓
S24	115 x 45 x 6 x 1.5	M/F	✓
S44	115 x 45 x 13 x 5	M/F	✓
SILVERSMITHS STONE			
F444	100 x 13 x 1.5	M/F	✓
BENCH STONES			
B24	100 x 25 x 13	C/M/F	✓
B6	150 x 50 x 25	C/M/F	✓
B8	200 x 50 x 25	C/M/F	✓
COMBINATION STONES			
IB24	100 x 25 x 13	F	✓
IB6	150 x 50 x 25	F	✓
IB8	200 x 50 x 25	F	✓

GRINDING



BENCH/OIL STONES

COMBINATION STONES

**DEGUSSIT STONES**

Degussit fine grinding tools are bond-free and have great hardness, high wear resistance, excellent shape stability and outstanding surface finish. Especially good on hard materials - popular in watch making.

**DEGUSSIT SET NO.420**








Set	✓
ORDER REF - DEG420	

**DEGUSSIT STONE SET NO.420**

This set includes:

- 11 stones, one of each of all sizes
- 1 double ended holder
- 2 additional stone collets



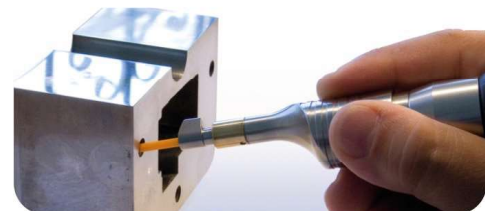
DEGUSSIT STONES					
ORDER REF	SHAPE		REF	SIZE (mm)	
DEGS	Square		400	1 x 50	✓
			403	2 x 100	✓
DEGTRI	Triangle		402	2 x 50	✓
			413	3 x 100	✓
DEGR	Round		401	1 x 50	✓
			404	2 x 100	✓
			405	3 x 100	✓
DEGF	Flat		406	0.3 x 3 x 50	✓
DEGHR	Half-Round		407	4 x 100	✓
DEGB	Barrette		409	1.5 x 5 x 100	✓
DEGC	Crossing		411	1.5 x 4 x 100	✓
DEGSPARE HOLDER	Spare Stone Holder				✓

## CERAMIC STONES

A fine grit finishing stone made of new composite material of ceramic fibres in a very hard thermoset resin. Very effective for ultrasonic polishing and in reciprocating tools. Virtually unbreakable – Can be accurately dressed – Long-lasting - Maintains shape.



GRITS & COLOURS
XEBEC
120g Purple/Green
220g Dark Brown
300g Light Brown
400g Orange
600g Black
800g Blue
1000g White
1200g Red
1500g Yellow
2000g Cream
3000g Pink



## ROUND CERAMIC STONES

Round ceramic stones bridge the gap between hand stoning and ultrasonic polishing. They fit straight into a rotary collet. The stones are easily shaped when run against a diamond file to a point.



## STONE HOLDERS

To suit both hand stoning and machine stoning with reciprocators.



Set CH3 Contains - CH4, CH6, CH10  
Set CSH3 Contains - CSH6, CSH10, CSH36

ULTRA FINE CERAMIC STONES			
XEBEC & REGULAR	ALL GRITS	HOLDERS TO SUIT	
STONE SIZE (mm)		HAND	MACHINE
0.5 x 2 x 100	✓	CH2	X
0.5 x 4 x 100	✓	CH4	CSH4
0.5 x 6 x 100	✓	CH6	CSH6
1 x 2 x 100	✓	CH2	X
1 x 4 x 100	✓	CH4	CSH4
1 x 6 x 100	✓	CH6	CSH6
1 x 10 x 100	✓	CH10	CSH10
1 x 4 x 150	✓	CH4	CSH4
1 x 6 x 150	✓	CH6	CSH6
1.5 x 4 x 100	✓	CH4	CSH4
1.5 x 6 x 100	✓	CH6	CSH6
1.5 x 10 x 100	✓	CH10	CSH10
3 x 6 x 100	✓	X	CSH36
ORDER REF - UFC			

ROUND CERAMIC STONES		
STONE SIZE (mm)		HOLDER TO SUIT
1.6 dia x 50	✓	FIT INTO THE SAME SIZE COLLET
2.35 dia x 50	✓	
3 dia x 50	✓	
3 dia x 100	✓	
3 dia x 150	✓	
ORDER REF - UFC		

CERAMIC STONE HOLDERS			
HAND HOLDERS		MACHINE HOLDERS	
CH2	✓	X	
CH4	✓	CSH6*	✓
CH6		CSH10*	
CH10		CSH36	
CH3 (set 3)	✓	CSH3 (set 3)*	✓
ORDER REF - UFC-H(No)		ORDER REF - NSKSH	



## MINI SUPER STONES

The pencil like holders for the mini super stones allow easy manipulation of the ceramic stones into small and intricate areas for polishing.

The stones are very strong and long lasting, making them a very effective way of desparking and deburring.

**Sold per Stone or Holder**



MINI SUPER STONES		
Mini Super Stones SMALL	Size	
Holder	S Type	✓
S Yellow 180	0.5 x 0.5 x 50 mm	
S Light Brown 300		
S Blue 800		
S Red 1200		
Mini Super Stones MEDIUM	Size	
Holder	M Type	✓
M Yellow 180	0.9 x 0.9 x 50 mm	
M Light Brown 300		
M Blue 800		
M Red 1200		
Mini Super Stones LARGE	Size	
Holder	L Type	✓
L Yellow 180	1.4 x 1.4 x 50 mm	
L Light Brown 300		
L Blue 800		
L Red 1200		
ORDER REF - UFCM		

## MINI SUPER STONES

### Grits-

- Yellow 180g
- Light Brown 300g
- Blue 800g
- Red 1200g



MINI SUPER STONE SETS		
EACH		
Mini Super Stone Set S	Set consists of one holder, one light brown, two blue & one red stone.	✓
Mini Super Stone Set M		✓
Mini Super Stone Set L		✓
ORDER REF - UFCMSS		

## DIAMOND CERAMIC STONES

The diamond allows cutting both on the ends and also the sides of the stone which the standard ceramic stones do not. These stones are excellent for slots where the sides of the slot are easily polished. The diamond is mixed into the ceramic fibres, giving a fine and even stroke pattern with excellent stock removal.

The new 200 grit offers faster cutting and quicker removal of sparking.



DIAMOND CERAMIC STONES					
GRADE (Colour)	1x2x100mm	1x4x100mm	1x6x100mm	1x10x100mm	3 dia x 50mm
D200 (Black)	✓	✓	✓	✓	✓
D400 (Grey)	✓	✓	✓	✓	✓
D600 (Green)	✓	✓	✓	✓	✓
ORDER REF - UFCD					

HAND-HELD STONE HOLDERS		
ORDER REF	DESCRIPTION	
<b>H-10</b>	Most versatile stone holder taking stones up to 1/2 x 1/8". Double-ended, light weight wear-resistant nylon.	✓
<b>H-12</b>	As the H-10 above, but one end takes stones 1/2 x 1/4" and the other end takes stones 1/4" square or 1/4" round.	✓
<b>H-20</b>	Round, double-ended stone holder features screw-on collars to hold stones securely. Holds all shapes up to 1/4" thick.	✓
<b>H-30</b>	Pencil stone holder for 5/32" square stones. Push-button release provides for quick stone change or adjustment.	✓
	REPLACEMENT COLLET FOR H-30	✓
<b>H-112</b>	Light weight aluminium holder. Holds stones measuring 1 x 1/2", 3/4 x 1/2", 1/2 x 1/4", 1/2 x 1/8"	✓
<b>NFH-FH40</b>	Holds 1/8" square and 5/32" round stones. Also takes 405,407,409,411 & 413 Ruby Degussit stones. Push-button release.	✓



**H10 & H12**



**H-20**

## HAND HELD STONE HOLDERS

Holders to suit polishing stones and lapping sticks.



**H-30**



**H-112**



**FH-40**

## RECIPROCATOR STONE HOLDERS

Holders to suit polishing stones and lapping sticks for use with reciprocators.



**H-101 & 102**



**H-401**



**H-666**

STONE HOLDERS TO FIT RECIPROCATORS		
ORDER REF	DESCRIPTION	
<b>H-101</b>	Takes stones 1/4 x 1/16", 1/4 x 1/8", 1/2 x 1/16" & 5/32" square. Shank diameter 1/8".	✓
<b>H-102</b>	Takes stones 1/2 x 1/8", 1/4" square, 1/4" round & 1/4" triangle. Shank diameter 1/8".	✓
<b>H-401</b>	Light weight reinforced nylon vice-clamp holder for stones up to 1/2" thick. Shank diameter 1/8".	✓
<b>H-666</b>	Small-sized, light weight stone holder. For stones up to 1/4 x 1/2" thick. Shank diameter 3mm.	✓
<b>H-667</b>	Very strong holder. Takes stones 1/2 x 1/4", 1/2 x 1/8". Shank diameter 3mm.	✓
<b>H-VEA</b>	Heavy duty metal holder for most stones up to 10mm sq or 13mm diameter. Shank diameter 3mm, with adjustable angle.	✓
<b>H-D</b>	Medium duty, plastic holder. For stones up to 10mm sq or 13mm diameter. Shank diameter 3mm, with adjustable angle.	✓



**H-667**



**H-VEA**



**H-D**

CERAMIC DEBURRING KNIVES

A totally safe and long-lasting blade that can deburr and deflash any hard plastics, as well as non-ferrous metals such as aluminium. The super ceramic material deburrs easily and allows operators true flexibility and complete safety.



**SMALL BLADE**  
6mm wide x 26mm long  
For intricate deburring

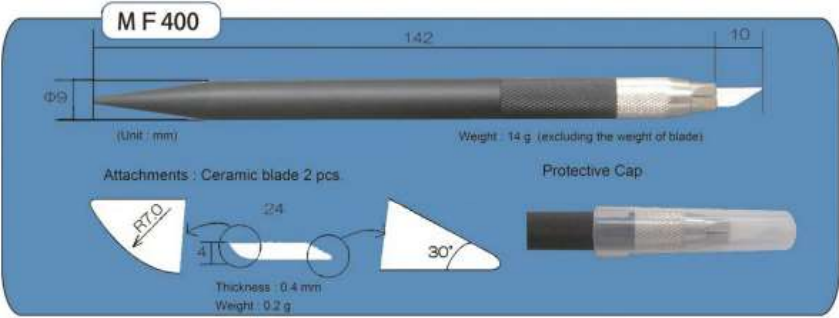
**STANDARD BLADE**  
15mm wide x 40mm long  
For easy to get into areas



CERAMIC KNIVES	
Large Blade	✓
Small Blade	✓
ORDER REF - DEBURRINGTOOL	

CERAMIC MICRO FINISH KNIFE

Ideal for surface finishing on plastic moulding parts, excellent for small confined complex areas. The blade has two useable ends giving two unique shapes.



MICRO FINISH KNIFE	
	✓
ORDER REF - DEBURRINGCERAMIC	

SHAVIV CURVED KNIFE

Shaviv Curve Ceramic deburring blade is used for deflashing and deburring soft metals and plastics. Specially designed for rounded edges, holes and curves.



SHAVIV KNIVES	
Type	
CURVED KNIFE	✓
ALUMINIUM WORKS KIT	✓
ORDER REF - DEBURRING(TYPE)	

SHAVIV ALUMINIUM WORKS KIT

The easiest and fastest way to hand deburr aluminium material. The kit contains 6 multi-purpose tools for deburring and chamfering a wide range of aluminium works.



## Micro-Mesh FLEXIFILES

Double sided buffing sticks with Micro-Mesh laminated to both sides of 1/32" foam with a sturdy 0.060 styrene core. Ideal for hand finishing, particularly for removing parting lines and for small touch ups.



### REGULAR FLEXI FILES

#### DOUBLE SIDED 2 GRADE VARIATION

1500/1800  
2400/3200  
4000/6000  
8000/12000

#### DOUBLE SIDED 1 VARIATION

ALL GRADES  
1500 TO 12000

### MX FLEXIFILES

#### DOUBLE-SIDED 2 GRADE VARIATION

60/80 MX  
100/150 MX  
180/240 MX  
240/320 MX  
400/600 MX  
800/1200 MX

#### DOUBLE SIDED 1 VARIATION

ALL GRADES  
60 MX TO 1200 MX

### 4-WAY FLEXIFILES

Size	
3/8" (9.5mm) x 4	✓
1/2" (12mm) x 5 3/4"	✓
5/8" (15.9mm) x 5 3/4"	✓
180 MX BLACK, 2400 R PINK, 4000 R WHITE, 12000g R GREY	
ORDER REF - MICFF-4WAY	

### 3-WAY FLEXIFILES

Size	
3/8" (9.5mm) x 4	✓
1/2" (12mm) x 5 3/4"	✓
5/8" (15.9mm) x 5 3/4"	✓
2400 R BLACK, 4000 R WHITE, 12000g R GREY	
ORDER REF - MICFF-3WAY	

### 2-WAY FLEXIFILES

Size	
3/8" (9.5mm) x 4	✓
1/2" (12mm) x 5 3/4"	✓
5/8" (15.9mm) x 5 3/4"	✓
1 1/16" (17.5) X 7"	✓
ORDER REF - MICFF-2WAY	

GRINDING

## Micro-Mesh ANGLED FLEXI FILES

Double sided files with Micro-Mesh abrasive laminated on either side of 1/32" foam with a sturdy 0.060 styrene core.

1/22" wide x 5 3/4" long, tapering to a 15 degree angle both ends.

Choose from:

Set of 5 MX files - 800/1200, 400/600, 180/240, 100/150, 60/80

Set of 4 REGULAR - 8000/12000, 4000/6000, 2400/3600, 1500/1800 files.

Set of 5 DIAMOND files - 1200/1800, 400/800, 280/180, 120/100, 60/40



### ANGLED FLEXIFILE VARIETY PACK

TYPE	No of Files	
MX	5	✓
REGULAR	4	✓
DIAMOND	5	✓
ORDER REF - MICFF-(TYPE)-VARIETY		



## BRASS & GLASS FIBRE PENCILS

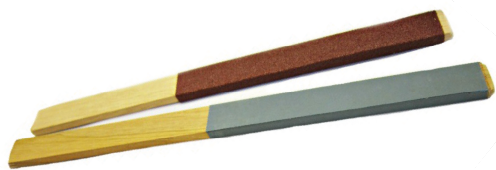
These pencils are perfect for fine work, used to clean after welding and in hard to reach areas.



BRASS & GLASS PENCILS & REFILLS		
TYPE	PENCIL	REFILL
Brass Pencil (1)	✓	✓
ORDER REF - BRASSWIRE		
Glass Pencil (1)	✓	✓
ORDER REF - GLASSFIBRE		

## COATED ABRASIVE HAND FILES

A handy way to use coated abrasives. Gives a comfy grip and produces flat finishing results.



COATED ABRASIVE HAND FILES			
	Aluminium Oxide	Silicon Carbide	
4-Sided	60 80 120 180 240 320 400	ALL GRITS FROM 60G TO 2500G	✓
REPLACEMENT STRIPS			
Per Pack 20			
Replacement strips are self-adhesive backed, with release paper			
125 x 20mm	As Above	As Above	✓
ORDER REF - WHF			

## Micro-Mesh ABRASIVE BELT STICKS AND KITS

Sold per 10 in single grades or in a kit with 1 belt stick and one of each grade in either MX or Regular. 1/4" Only. Used wet or dry.

For Micro-Mesh  
Grades please  
see page 44



## ABRASIVE BELT STICKS AND KITS IN A/O

Kits consists of:  
2 Belt Sticks  
10 off each Belts  
in 80, 120, 240  
& 320  
Select Size  
1/4", 1/2", 3/4"



BELT STICKS, BELTS & KITS				
MATERIAL	QTY		KIT QTY	KITS
1/4"X6 HOLDER	PER 1	✓	X	X
A/O BELTS	PER 10	✓	PER 40	✓
Micro-Mesh MX	PER 10	✓	PER 13	✓
Micro-Mesh REG	PER 10	✓	PER 9	✓
MATERIAL	QTY		KIT QTY	KITS
1/4"X6 HOLDER	1	✓	X	X
A/O BELTS	PER 10	✓	PER 40	✓
Micro-Mesh MX	PER 10	✓	X	X
Micro-Mesh REG	PER 10	✓	X	X
MATERIAL	QTY		KIT QTY	KITS
3/4" X 10" HOLDER	PER 1	✓	X	X
A/O BELTS	PER 10	✓	PER 10	✓
MATERIAL	QTY		KIT QTY	KITS
2" x 10" HOLDER	PER 1	✓	X	X
A/O BELTS	PER 10	✓	X	X
ORDER REF - ABBS / MIC-ABBS				

## VELCRO ABRASIVE HAND FILES

The benefit of a Velcro Hand File is that strips can be easily changed as they wear out with strips that fit straight on to the file without sticking or cutting.

Sold Individually or Refill Strips (30 x 195mm) Per 25

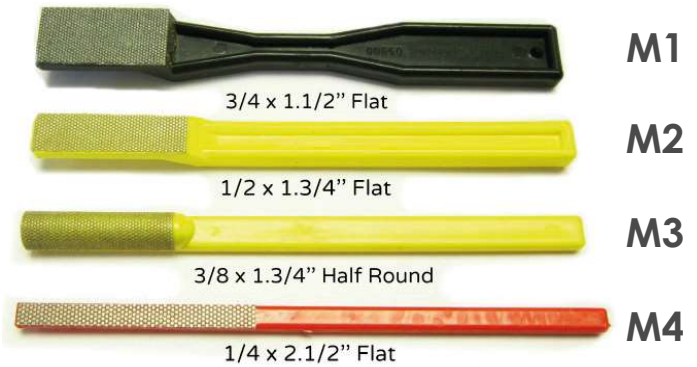


VELCRO HAND FILE	
EACH	✓
VELCRO STRIPS - PER 25	
30 x 195mm	✓
Velcro Strips Available in Aluminium Oxide 60 120 180 240 320 400 Foam Backed 60 120 220 400 600	
ORDER REF STRIP - SIAFAST-FILE-STRIP	
ORDER REF FILE - SIAFAST-FILE	

## DIAMOND HAND-E-FILES

The tool interfacing consists of a flexible terylene resilient material, through which it is electroplated with nickel micro-pellets containing diamond abrasives. Diamond is the hardest abrasive available therefore it removes stock fast and retains its speed of cutting throughout its working life. The tool material is cool running. To obtain maximum lifespan, use with wet lubrication.

**Sold Per File or as Strip**



### Strips available to make your own tools

This versatile self-adhesive diamond-coated cloth has many uses. It is easy to cut and shape to adapt to any tool. It can be fixed to wooden bobs, lapping sticks, files etc to suit many fine grinding operations.

HAND -E-FILES	ORDER REF - HEF
Single Files (each)	✓
Set of 4 Files	✓



DIAMOND STRIP			
Colour	Grit	Micron	
		Size	10x1/2" Strip
Green *	60/80	250	✓
Black	120	125	✓
Red	200	74	✓
Yellow	400	30~40	✓
White	800	15~30	✓
Blue *	1500	6~12	✓
ORDER REF - HEFST			

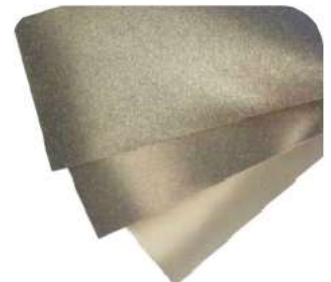
GRINDING

## DIAMOND FOIL

Diamond coated metal foil with galvanic bonding.

- Very high stock-removal, flexible and can be cut with scissors to your own tools.
- Excellent on Tungsten Carbide, Hardened Steels, Ceramics, Precious Metals etc
- Strip thickness 0.25-0.4mm, comes in two dimensions 10 x 100mm and 50 x 100mm

**See Joke Catalogue for More Details**



## SELF ADHESIVE STRIPS

Flexible self adhesive strips with release paper backing.

GRITS AVAILABLE - 60, 80, 100, 120, 150, 180, 240, 320, 400, 600, 800, 1000, 1200, 1500, 2000, 2500

\* only available as strip, not as files

SELF-ADHESIVE STRIPS	
Strip Size (mm)	20 Strips
25 x 280	✓
50 x 280	✓
75 x 280	✓
100 x 280	✓
ORDER REF - SAST	

## QUICK ZIP STRIPS & FILES

A low cost alternative to other methods for filing, deburring, or crevice and rib work for surface removal. Strips can be fixed both sides or one side only to the Quickzip Holder.

**Sold Per 50 Strips (50 x 7.5mm) or Per File**



QUICKZIP STRIPS	
All Grits Per 50	✓
Strip Grits: 100 150 240 320 400 500 600 800	
ORDER REF - QZ50(GRIT)	

QUICKZIP FILES	
Flat, Flexy or Tapering	✓
File Types: Flat, Flexy and Tapering - Overall length 140mm	
ORDER REF - QZNF	

## GROBET/VALLORBE NEEDLE FILES

Swiss made precision needle files - 16cm overall length

Sold Per File (Boxed in 12's)



00 - V.COARSE 0- COARSE 2- MEDIUM (MOST POPULAR) 4- FINE

GRINDING



VALLORBE NEEDLE FILES					
Shape	Cuts	14cm	16cm	18cm	20cm
PILLAR	00/0/2	✓	✓	✓	✓
	4	✓	✓	✓	✓
HALF ROUND	00/0/2	✓	✓	✓	✓
	4	✓	✓	✓	✓
CROSSING	00/0/2	✓	✓	✓	✓
	4	✓	✓	✓	X
KNIFE	00/0/2	✓	✓	✓	✓
	4	✓	✓	✓	X
WARDING	00/0/2	✓	✓	✓	✓
	4	✓	✓	✓	X
3-SQUARE	00/0/2	✓	✓	✓	✓
	4	✓	✓	✓	✓
ORDER REF - E.g NF16HR					

VALLORBE NEEDLE FILES					
Shape	Cuts	14cm	16cm	18cm	20cm
SQUARE	00/0/2	✓	✓	✓	✓
	4	✓	✓	✓	X
OVAL	0/2	✓	✓	✓	✓
	4	✓	✓	✓	X
ROUND	00/0/2	✓	✓	✓	✓
	4	✓	✓	✓	X
BARRETTE	00/0/2	✓	✓	✓	✓
	4	✓	✓	✓	X
PILLAR R.E	0	X	✓	X	X
	2	X	✓	X	X
CROCHET	00/0/2	X	✓	X	X
SLITTING	0/2	✓	✓	X	X
ORDER REF - E.g NF16HR					

### FILE HANDLES

A variety of handles to suit a range of file sizes.

See description to select the correct handle.

FILE HANDLES	
Type	
VPL-B	✓
Crocodile (VAL410)	✓
FH-40 (VAL260)	✓
ORDER REF - NFH	

### FH-40 FILE HANDLE

For precision and needle files with a diameter of 3-4mm (Condor)



### CROCODILE FILE HANDLE

Blue plastic handle with hardened threaded insert - for precision files up to 350mm long.  
7 different sizes available, depending on the length of the file.  
6-8" Crocodile.



### VPL-B FILE HANDLE

Re-useable plastic handle  
Screw tightened



GRINDING

### SWISS VALLORBE 'BUDGET' FILE SETS

Swiss made needle files - 16cm overall length.

These lower cost files are made by Vallorbe in their Swiss factory renowned for its precision, guaranteeing better quality 'budget' files.



BUDGET FILES	
16cm Files	
Shape	
PILLAR	✓
WARDING	
3-SQUARE	
SQUARE	
ROUND	
BARRETTE	✓
HALF-ROUND	
CROSSING	✓
CROCHET	
PILLAR R.E.	
KNIFE	
SETS	
6-Piece Set	✓
ORDER REF - NFMIDGET	

### GROBET/VALLORBE NEEDLE FILE SETS

Swiss made precision needle files - 16cm overall length



VALLORBE NEEDLE FILE SETS	
16cm Cut 0 or Cut 2	
Set of 6	✓
Set of 12	✓
ORDER REF - NFS	



## DIAMOND MACHINE FILES

Diamond needle files on a 3mm shank. To fit all reciprocating machine tools.  
Available in 3 grades

**Coarse (D151) Medium (D126)  
Fine (D64)**



### SHORT FILE - TYPE DS

Overall length - 50mm  
Shank diameter - 3mm

LONG FILE - TYPE DL	
Description	
FLAT	
5 x 1mm	✓
TRIANGLE	
3mm	✓
4mm	✓
SQUARE	
2.5mm	✓
HALF-ROUND	
2.5mm rad.	✓
ROUND	
3mm	✓
ORDER REF - DFDL	

SHORT FILE - TYPE DS	
Description	
FLAT	
2 x 1mm	✓
3 x 1 mm	✓
4 x 1 mm	✓
5 x 1 mm	✓
5 x 2 mm	✓
SQUARE	
2mm	✓
EDGE	
4 x 1mm	✓
TRIANGLE	
2mm	✓
4mm	✓
HALF-ROUND	
1.5mm rad.	✓
2mm rad.	✓
ROUND	
2mm	✓
4mm	✓
CROSSING	
5r x 2.5r	✓
ORDER REF - DFDS	

GRINDING



### LONG FILE - TYPE DL

Overall length - 85mm  
Shank diameter - 3mm

## 20 PIECE

### DIAMOND MACHINE FILE SET

Diamond needle files on a 3mm shank to suit reciprocating tools and supplied with a holder for hand use.



### 20 PIECE DIAMOND MACHINE FILE SET

✓

ORDER REF - DFSET-20P

### DIAMOND RIFFLER FILE SET

Set of 6  
Medium Grade  
14cm overall length

**FOR INDIVIDUAL RIFFLER FILES  
SEE PAGE 38.**



### DIAMOND RIFFLER FILE SET

✓












ORDER REF - DRF-SET



## INDIVIDUAL DIAMOND NEEDLE FILES

16cm long diamond needle files.

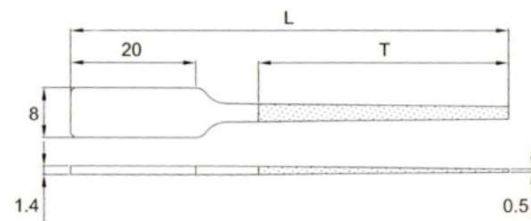


FLAT		ROUND		SLITTING	
TRIANGLE		H/ROUND		OVAL	
SQUARE		KNIFE		BARRETTE	
CROSSING		CROCHET/R.E. FLAT			

16CM DIAMOND FILES	
GRADE	Each
D151 Coarse	✓
D126 Medium	✓
D64 Fine	✓
ORDER REF - DNF	

## DIAMOND TAPER HAND FILES

Medium Grade



DIAMOND HAND FILE		
Size of file	Thickness of Taper	
180mm total length	2.5mm to 0.9mm	✓
70mm of diamond		
ORDER REF - DIAMONDHF		

## TAPERING NEEDLE FILES

Sets of 10 in one grade or a mixture. Colour coded handle for easy identification between grades.



TAPERING DIAMOND NEEDLE FILE SETS		
COLOUR	GRADE	SET OF 10
Black - Coarse	D100	✓
Red - Med/Coarse	D200	
Yellow - Med/Fine	D400	
Green Fine	D600	✓
Mixed Set	Mixed	
ORDER REF - DFSET-PTF		

## 6-PIECE DIAMOND NEEDLE FILE SET

16cm Medium Grade

- 2 off Flat
- 1 off Square
- 1 off Round
- 1 off Half Round
- 1 off Triangle



16CM SET OF 6
✓
ORDER REF - DNFSET

## FLEXIBLE DIAMOND FILES

14cm Flexible flat files.

0.8mm thick.

Available in Medium grade only.

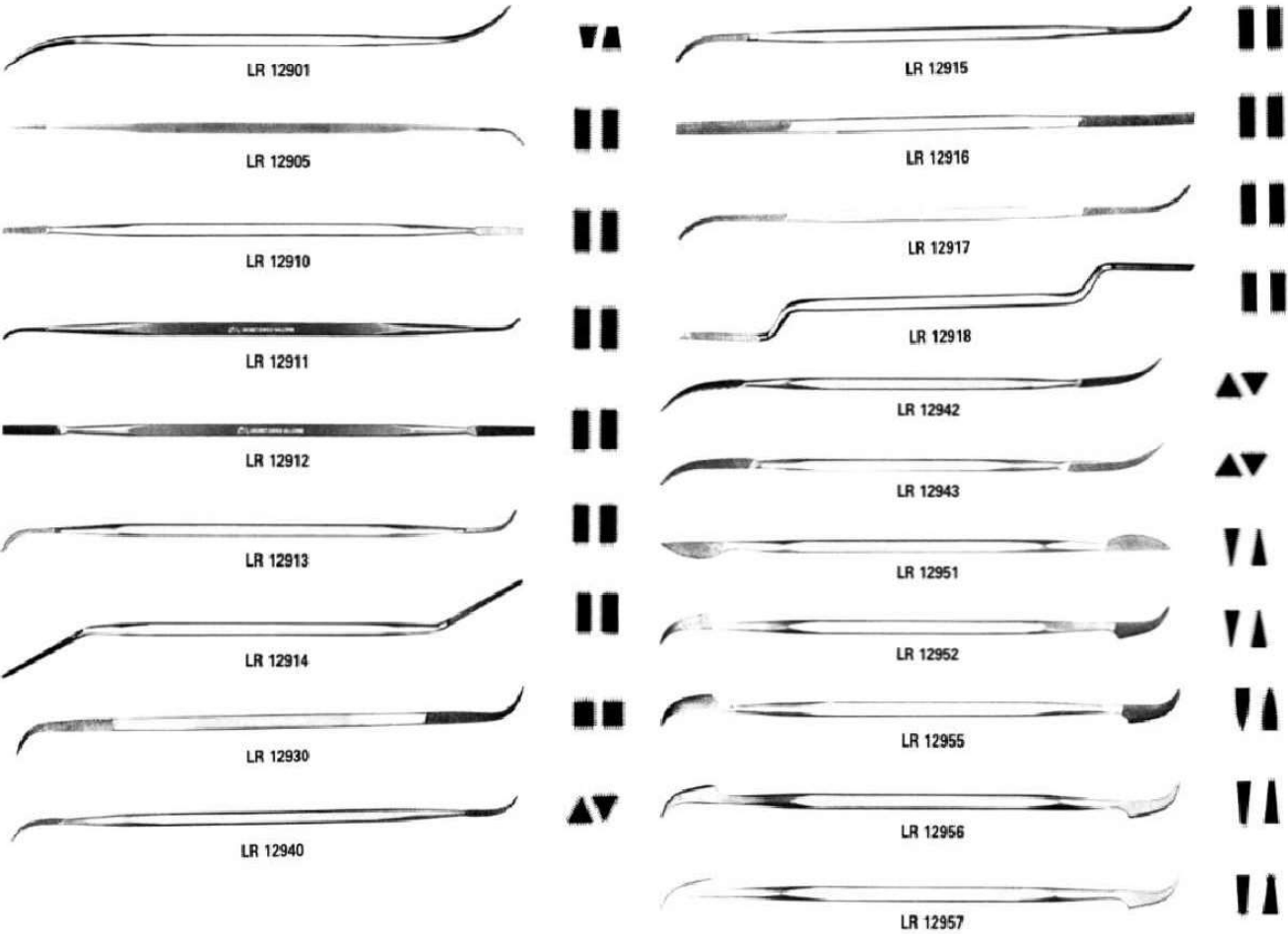
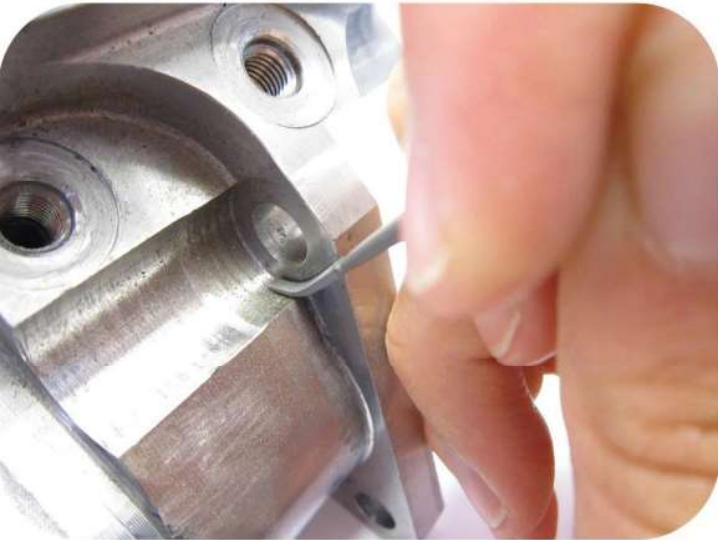


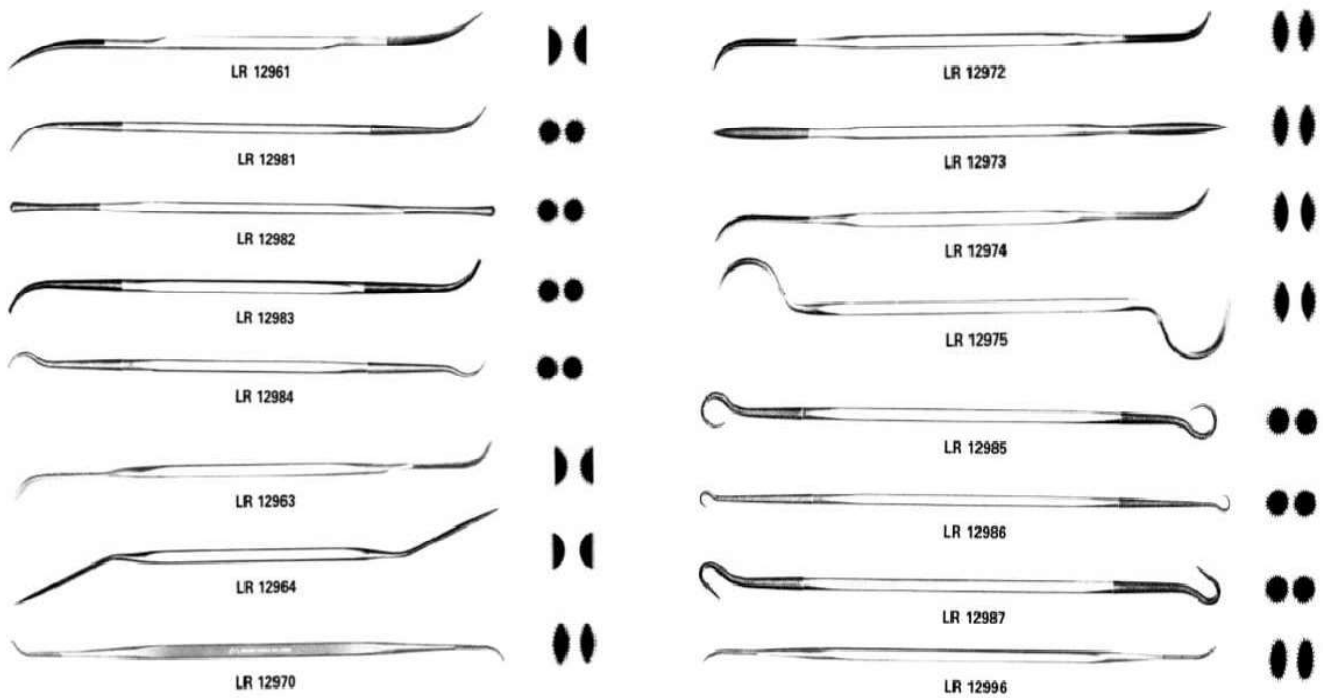
**Please Enquire for Price**  
**Order Ref - DNFMF**

SWISS RIFFLER FILES

Swiss made diesinkers riffler files. 15cm overall length. Riffler files are used commonly in tool and die manufacturing but are also used in a range of industries. The various profiles and cross sectional shapes make them useful in tight, often unusual areas. Working much like a standard needle file, these files are double ended and suit being used by hand. Popular with mould tool manufacturers, engineers, jewellers etc

RIFFLER FILES		
Ref. No.	Cut 0	Cut 2
12916	X	✓
Rest of Files	✓	
12940	✓	X
ORDER REF - R(REF NO.)		





## SWISS RIFFLER FILES

18cm also available

12700-12795

Please enquire for details



# CROSS HOLE DEBURRING BRUSHES

## CROSS HOLE DEBURRING BRUSHES (Twist In Wire)

Abrasive Nylon 180g will remove most burrs and leave a good finish. Where very heavy burrs are encountered, you may need to consider using stainless steel.

**Sold Individually**



SERIES 85 CARBON STEEL, BRASS & STAINLESS

PART NO.			BRUSH DIMENSIONS			FILAMENT DIAMETER		
Carbon Steel	Brass	Stainless Steel	Brush Diameter	Brush Length	Overall Length	Carbon Steel	Brass	Stainless Steel
		85-S2-125	1/8"	1"	4"			0.002
	85-B125	85-S3-125	1/8"					0.003
	85-B156	85-S156	5/32"			0.003	0.003	
	85-B187	85-S187	3/16"			0.003	0.003	
	85-B219	85-S219	7/32"			0.003	0.003	
85-C250	85-B250	85-S250	1/4"	1.1/4"	4.1/2"	0.006	0.005	0.004
85-C281	85-B281	85-S281	9/32"			0.006	0.005	0.004
85-C312	85-B312	85-S312	5/16"			0.006	0.005	0.004
85-C344	85-B344	85-S344	11/32"			0.006	0.005	0.004
85-C375	85-B375	85-S375	3/8"			0.006	0.005	0.004
85-C406	85-B406	85-S406	13/32"			0.006	0.005	0.004
85-C437	85-B437	85-S437	7/16"			0.006	0.005	0.004
85-C469	85-B469	85-S469	15/32"			0.006	0.005	0.005
85-C500	85-B500	85-S500	1/2"	1.1/2"	5"	0.006	0.005	0.005
85-C562	85-B562	85-S562	9/16"			0.006	0.005	0.006
85-C625	85-B625	85-S625	5/8"			0.008	0.008	0.008
85-C687	85-B687	85-S687	11/16"			0.008	0.008	0.008
85-C750	85-B750	85-S750	3/4"			0.008	0.008	0.008
85-C812	85-B812	85-S812	13/16"		6"	0.01	0.01	0.01
85-C875	85-B875	85-S875	7/8"			0.01	0.01	0.01
85-C937	85-B937	85-S937	15/16"			0.01	0.01	0.01
85-C1000	85-B1000	85-S1000	1"	2"		0.01	0.01	0.01
85-C1250	85-B1250	85-S1250	1.1/4"	2.1/2"	6.1/2"	0.01	0.01	0.01
85-C1500	85-B1500	85-S1500	1.1/2"			0.01	0.01	0.01
85-C1750	85-B1750	85-S1750	1.3/4"	3"	7"	0.012	0.012	0.012
85-C2000	85-B2000	85-S2000	2"		8"	0.012	0.012	0.012
85-C2500	85-B2500	85-S2500	2.1/2"	3.1/2"	9"	0.012	0.012	0.012
85-C3000	85-B3000	85-S3000	3"	4"	10"	0.012	0.012	0.012

ORDER REF - TIW85(C,B or S)...

SERIES 85 - ABRASIVE NYLON

PART NO.	Hole Dia.	Brush Dia.	Brush Length	Stem Dia.	Overall Length
	(inches)	(inches)		(inches)	
85-AY125	0.125	0.138	1"	0.083	4"
85-AY156	0.156	0.172		0.097	
85-AY187	0.187	0.206		0.112	
85-AY219	0.219	0.241		0.112	
85-AY250	0.25	0.275		0.112	
85-AY281	0.281	0.309	1.1/4"	0.112	4.1/2"
85-AY312	0.312	0.343		0.14	
85-AY344	0.344	0.378		0.14	
85-AY375	0.375	0.413		0.14	
85-AY406	0.406	0.447		0.168	
85-AY437	0.437	0.481		0.168	
85-AY469	0.469	0.516		0.168	
85-AY500	0.5	0.55	1.1/2"	0.19	5"
85-AY562	0.562	0.618		0.19	
85-AY625	0.625	0.688		0.19	
85-AY687	0.687	0.756		0.22	
85-AY750	0.75	0.825		0.22	6"
85-AY812	0.812	0.893		0.22	
85-AY875	0.875	0.963		0.22	
85-AY937	0.937	1.031		0.22	
85-AY1000	1	1.1	2"	0.22	6.1/2"
85-AY1250	1.25	1.375	2.1/2"	0.245	
85-AY1500	1.5	1.65		0.245	
85-AY1750	1.75	1.925	3"	0.292	7"
85-AY2000	2	2.2		0.292	8"
85-AY2500	2.5	2.75	3.1/2"	0.292	9"
85-AY3000	3	3.3	4"	0.292	10"

ORDER REF - TIW85AY...

## SMALL ABRASIVE NYLON TUBE BRUSHES

Small twist in wire brushes especially good for deburring cross holes and small bores.

**Sold Individually**

SMALL ABRASIVE NYLON TUBE BRUSHES

Part No.	Hole Dia	Brush Length	Overall Length	Grits	Max.RPM	
TIW2	2mm	20mm	75mm	Choose from 120g Medium, 240g Fine or 320g Extra Fine	10000	✓
TIW3	3mm					
TIW4	4mm					

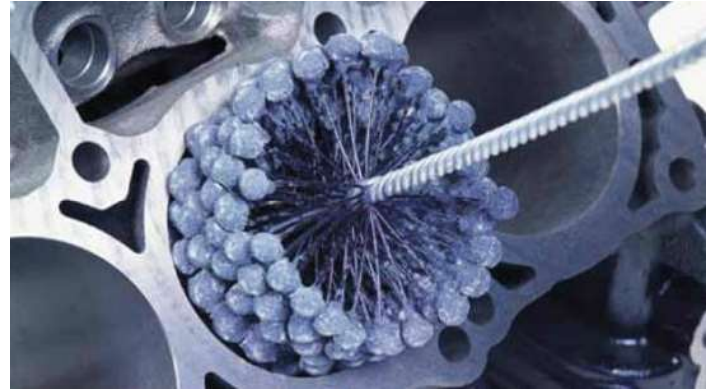
ORDER REF - TIW

## FLEX-HONES

Cross hole deburring and internal bore surface finishing. With heavy duty flexible shaft 3/8" chuck, you can use up to 1.1/2" diameter brush. You can use a 10mm diameter brush with our LY128 pendant motor, but no larger.

### Sold Individually

FLEX-HONES					
BC 4mm	(0.157")	BC 11mm	(0.433")	BC 1.1/4"	(31.8mm)
BC 4.5mm	(0.177")	BC 12mm	(0.472")	BC 1.3/8"	(35mm)
BC 3/16"	(4.75mm)	BC 1/2"	(12.7mm)	BC 1.1/2"	(38mm)
BC 5mm	(0.197")	BC 14mm	(0.552")	BC 1.5/8"	(41mm)
BC 5.5mm	(0.217")	BC 5/8"	(16mm)	BC 1.3/4"	(45mm)
BC 6.4mm	(0.250")	BC 18mm	(0.709")	BC 2"	(51mm)
BC 7mm	(0.276")	BC 3/4"	(19mm)	BC 2.1/4"	(57mm)
BC 8mm	(0.315")	BC 20mm	(0.787")	BC 2.1/2"	(64mm)
BC 9mm	(0.354")	BC 7/8"	(22mm)	BC 2.3/4"	(70mm)
BC 9.5mm	(0.375")	BC 1"	(25.4mm)	BC 3"	(76mm)
BC 10mm	(0.394")	BC 1.1/8"	(29mm)		
ORDER REF - FLEXH					



For heavy applications, where a very even finish is required, Flex-Hones are the best tool for the job. The usual grade would be 180g S/C. This will remove material, as opposed to abrasive nylon and stainless steel which will only remove the burs.

Available in **Silicon Carbide, Aluminium Oxide, Boron Carbide, Tungsten Carbide & Aluminium Zirconia**, with grits ranging from 40 to 320.

GRINDING

## MOUNTED ABRASIVE NYLON TUBE BRUSHES

On a 6mm shank so can be used in a slow speed, high torque machine. Well suited to a collet system.

### Sold Individually 6mm Shank



MOUNTED ABRASIVE NYLON TUBE BRUSHES								
Part No.	Hole	Brush	Overall	Shank	Grits			Max.RPM
	Dia.	Length	Length	Dia.	120 Med	240 Fine	320 X-Fine	
GTS-05	5mm	50mm	100mm	6mm	✓	X	✓	10000
GTS-06	6mm				✓	X	✓	7000
GTS-08	8mm				✓	X	✓	7000
GTS-10	10mm				✓	✓	X	5000
GTS-13	13mm				✓	✓	X	5000
GTS-16	16mm				✓	✓	X	5000
ORDER REF - GTS-(No)								

## SERIES 81-A CROSS HOLE DEBURRING MINI BRUSH KIT

Ideal for micro burr removal, internal cleaning, rust removal and surface preparation. Kits contains 12 brushes. The metric kit includes 1mm, 1.5mm, 2mm, 2.5mm, 3mm, 3.5mm, 4mm, 4.5mm, 5mm, 5.5mm, 6mm and 6.5mm sizes. Also included with this selection is a premium double end pin vise which provides a safe and secure means of using the brush.



SERIES 81-A MINI KIT	
STAINLESS STEEL	✓
ORDER REF - TIW81AMMKIT	

## ORBITOOL

This tool is specially designed for removing the burrs created during cross drilling. The tool consists of a specially designed and shaped cutter and a flexible holder. The cutters can be used on their own due to the flexible shank. They are available in various sizes and shank diameters.

### Please Enquire For More Information



## MITCHELLS ABRASIVE STRING

Abrasive string can be used in any number of ways to aid deburring and polishing in difficult to reach areas such as small holes, slots and grooves. The string is rip resistant & does not fray. It's very easy to use.

**Sold Per 15M Spool**



MITCHELLS STRING			
Order Ref	DIA	GRIT/TYPE	
ALUMINIUM OXIDE			
MIT-48-AO	.093" or 2.36mm	150 grit AO	✓
MIT-49-AO	.082" or 2.08mm	120 grit AO	✓
MIT-51-AO	.055" or 1.4mm	120 grit AO	✓
MIT-52-AO	.055" or 1.4mm	150 grit AO	✓
MIT-53-AO	.040" or 1.02mm	180 grit AO	✓
MIT-54-AO	.030" or 0.76mm	200 grit AO	✓
SILICON CARBIDE			
MIT-50-SC	.070" or 1.78mm	180 grit SC	✓
MIT-51-SC	.055" or 1.4mm	120 grit SC	✓
MIT-52-SC	.055" or 1.4mm	150 grit SC	✓
MIT-54-SC	.030" or 0.76mm	200 grit SC	✓
MIT-60-SC	.015" or 0.38mm	200 grit SC	✓
MIT-66-SC	.012" or 0.31mm	280 grit SC	✓
ORDER REF - MIT-			

## MITCHELLS ABRASIVE TAPE

Abrasive tape much like the string is excellent for detailed finishing in even tighter areas.

**Sold Per 15M Spool**

MITCHELLS TAPE			
REF	WIDTH (INCHES)	GRIT/TYPE	
AB59	0.25"/6.35mm	150-GRIT	✓
AB59C	0.25"/6.35mm	CROCUS( ULTRA FINE )	✓
AB56C	0.093"/2.36mm	CROCUS (ULTRA FINE)	✓
ORDER REF - MIT-AB			



PLASTIC BACKED MICRO GRINDING TAPE (22.5m Long Roll)				
Dimensions mm	Thickness mm	GRIT/ABRASIVE		ORDER REF
22.5m x 6mm	0.4	360grit/40 micron	✓	JOKE-0401474
		1000grit /15micron	✓	JOKE-0401476
22.5m x 10mm	0.4	240 grit /60 micron	✓	JOKE-0401483
		560 grit/30 micron	✓	JOKE-0401485

## FLEXIBLE BORE CLEANERS

Flexible but firm, these bore cleaners are particularly useful for reaching into bores. They can be used on their own dry or with compound. Diamond compound or Ultralap would be particularly useful. Use by hand or in the chuck of a rotary tool.

**Sold Per 50**

FLEXIBLE BORE CLEANERS	
SIZE	
3mm ø x 30cm long	✓
9mm ø x 30cm long	✓
ORDER REF - PIPE	





## WET & DRY PAPER

### Flexible Waterproof Silicon Carbide Latex Backed Sheets

Excellent quality matador wet and dry paper. The latex backing adds strength and durability.

**Sold Per 50 Sheet Pack**



WET & DRY ASSORTMENTS		
Set No	5 Sheets of Each Grit	
SET NO.1	80-120-180-240-320-600-1000-1500 grit	✓
SET NO.2	60-100-150-240-320-400-800-1200 grit	✓
ORDER REF - WADSETNO(1 OR 2)		

## ALUMINIUM OXIDE SHEETS

Excellent quality aluminium oxide cloth sheets for all types of metal work.

Thicker, longer lasting, very heavy wearing compared to regular wet and dry.

**Sold Per 50 Sheet Pack**



## ALUMINIUM OXIDE ECONOMY ROLL

Non shredding and very flexible, with even and long-lasting cut.

- Aluminium Oxide
- Flexible 'F' weight Cloth - Grade RB346JF

**Sold Per Roll (50m)**



## BEST QUALITY ECONOMY ROLL

Especially selected for Tool Steels. Grade RB346MJ - 25mm x 50m Rolls (Aluminium Oxide)

**Sold Per Roll (50m)**



**WET & DRY ECONOMY ROLL**  
Silicon Carbide abrasive roll.  
**Sold Per Roll (25mm x 50m)**

### WET & DRY SHEETS

GRIT	
60	✓
80	✓
100	✓
120	✓
150	✓
180-1200	✓
1500-2500	✓
3000	✓
5000	✓
7000	✓
ORDER REF - WAD(GRIT)	

### CLOTH SHEETS

GRIT	
60	✓
80	✓
120	✓
180	✓
240	✓
320	✓
400	✓
500	✓
600	✓
ORDER REF - CLOTHSH(GRIT)	

### ECONOMY ROLL (RB346JF)

	GRITS		
Width	60	80	100-400
25mm	✓	✓	✓
50mm	✓	✓	✓
ORDER REF - ER(WIDTH)			

### BEST QUALITY ECONOMY ROLL (RB346MJ)

GRITS									
40	60	80	120	180	240	320	400	600	800
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ORDER REF - ER25-(GRIT)									

### WET & DRY ECONOMY ROLL

Size	GRIT	
25mm X 50m	600, 800, 1000, 1200	✓
ORDER REF - ERWAD		



**Micro-Mesh is made with a cloth backing, followed by a layer of specially formulated latex. Silicone carbide or aluminium oxide grit is bonded on the ultra fine cloth with flexible glue and is perfect for polishing, cleaning and finishing.**

The beauty of Micro-Mesh material is that when pressure is applied the crystals recede and rotate slightly to present their sharp cutting edges evenly across the surface. This creates a very fine, uniform scratch pattern. The larger crystals result in a longer lasting material that resists loading and heat build up.

Can be used with water or used dry, it can even be rinsed and reused making Micro-Mesh the economical choice for professionals in a wide range of industries.

Micro-Mesh Rolls are a very economical way to buy, choose from two different lengths.

**AO - MX- REGULAR**



## Micro-Mesh ROLLS ALL GRADES - MX, REGULAR AND AO

SIZE	
6" X 25 FT (150MM X 7.62M)	✓
6" X 50 FT (150MM X 15.24M)	✓
ORDER REF - MIC-150X	

Micro-Mesh Sheets are a great way to sample the material or if only a small amount is required.

**AO - MX- REGULAR**



## MICROMESH SHEETS

SIZE	
12" x 6"	✓
6" x 6"	✓
3" x 6"	✓
ORDER REF - MIC(GRIT)	



## FOAM BLOCK

SIZE	
2"X3"	✓
3"X4"	✓
ORDER REF - MIC-FOAMBLOCK	

Micro-Mesh REGULAR	Micro-Mesh MX	Micro-Mesh ALUMINUM OXIDE	FEPA OR EURO	MICRON
			P120	125
			P150	100
		300 AO	P180	80
			P220	65
	60 MX		P240	60
			P280	
			P320	52
				50
	80 MX		P360	45
	100 MX	600 AO		
	120 MX		P400	42
			P500	
	150 MX	800 AO		
			P600	40
1500 R	180 MX	1500 AO		30
			P800	
			P1000	20
			P1200	
1800 R	240 MX	1800 AO		15
			P1500	13
2400 R	320 MX	2400 AO		
			P2000	
				10
			P2500	9
3200 R	360 MX	3200 AO		
3600 R	400 MX	3600 AO		8
4000 R	600 MX	4000 AO		5
6000 R	800 MX	6000 AO		4
8000 R	1200 MX	8000 AO		3
12000 R		12000 AO		1

## ABRASIVE NYLON CLEANING & FINISHING ROLLS

For an extremely economical option simply tear off sections as needed.

**Sold Per 150mm x 10m Roll**

**Note-** Other roll sizes available from 25mm (1") to 17000mm (66") wide x 10m long.



ABRASIVE NYLON ROLL & HAND PADS			
Colour	Grade	10 Mtr Roll	229 X 152mm x 10
Green	<b>G/P Green</b>	✓	✓
Grey	<b>Ultra Fine S</b>	✓	✓
Maroon	<b>Very Fine A</b>	✓	✓
	<b>Medium A</b>	✓	✓
	<b>Coarse A</b>	✓	✓
	<b>Heavy Duty MA</b>	✓	✓
	<b>Heavy Duty Very CA</b>	✓	✓
Black	<b>Black Super Cut</b>	✓	✓
Brown	<b>Superior Brown</b>	✓	✓
ORDER REF - SCOTROLL150X10(GRADE)			
ORDER REF - SCOTHP(GRADE)			

**FOR MORE INFORMATION ON ABRASIVE NYLON GRADE PLEASE GO TO PAGE 88**

GRINDING

## FOAM BACKED ABRASIVE HAND PADS

Aluminium Oxide grit on a bed of foam with a Velcro underside.

- Excellent for contoured surfaces where flexibility is required
- Easily cut into strips to suit particular jobs
- Velcro Backing will stick to velcro holders

**145mm x 116mm x 5mm (thick)**

Grits Available - **60 120 220 400 600**

**Sold Per 10**



FOAM BACKED ABRASIVE HAND PADS	
<b>Pack of 10</b>	✓
ORDER REF - ABRASIVEPAD-(GRIT)	

## ABRASIVE SANDING BLOCKS

Made of special resilient rubber, filled with hard abrasive grit, which is evenly distributed through the block.

The blocks provide a constant finish, unlike abrasive cloths and papers which become finer in use. Various effects can be obtained using a tool lubricant such as water, paraffin or solvent, etc.



ABRASIVE SANDING BLOCKS			
Grade	Grit	Size	
Extra Coarse - WINE	36	80 x 50 x 20mm	✓
Coarse - BLUE	60		
Medium - GREY	120		
Fine - BROWN	240		
ORDER REF - ABRABLOCK(GRADE)			

## WOODEN HANDLED BRUSHES

Hand brushes in various materials.

**Sold Per Brush**



HAND BRUSHES			
Specification	Overall Length	Rows	
<b>Stiff Black Bristle</b>	280mm	6	✓
<b>Med/Soft White Bristle</b>	230mm	4	✓
<b>Stiff White Nylon</b>	280mm	6	✓
<b>Steel</b>	280mm	4	✓
<b>Brass</b>	280mm	4	✓
ORDER REF - WOODH-(ROWS & MATERIAL)			

## SOLID SURFACE CORIAN KIT

This repair kit is perfect for touching up and polishing out burns, stains and scratches in solid surfaces like Corian. Restore your kitchen and bathroom countertops back to a smooth shiny finish with these 4 re-useable pads.



## SOLID SURFACE CORIAN REPAIR AND POLISHING KIT

Kit as above but with the addition of a Micro-Mesh 12" square polishing cloth and micro gloss. Water based polish and cleaner formulation that contains abrasive crystals in micron gradings. Use after the pads as a final step to add lustre.

SOLID SURFACE CORIAN KIT	
CODE	
<b>3KCOUNTER</b>	✓
<b>MIC-KIT-CORIAN</b>	✓
ORDER REF - MIC-KIT-3KCOUNTER	

## SOLID SURFACE CORIAN DISC KIT

This kit is designed for more heavy duty repairs and scratch removal on Corian and other similar surfaces. Use with an orbital sander.

The discs can be used wet or dry and finished with micro gloss. Kit comes with 7 6" AO with Velcro backing. Discs range from grades 300-12000.



SOLID SURFACE CORIAN DISC KIT	
CODE	
<b>3KCOUNTER</b>	✓
ORDER REF - MIC-KIT-3KCOUNTER	

## METAL POLISHING KIT MX-90

For touching up and polishing small areas by hand. Sheet and flexifiles. Kit comes with 11 sheets of MX Micro Mesh sheets which range from 100 MX (320 Grit FEPA) to 1200MX (3 Micron RA – ultra fine)



METAL POLISHING KIT MX-90	
CODE	
<b>3KMX90</b>	✓
ORDER REF - MIC-KIT-MX90	

## CRAFT KIT

Polishing plastic kit contains a set of 2" soft touch pads with grades from 1500 (800g) to 12000 (1 Micron ultra fine). Polishing flexi files and liquid polishing abrasive.



CRAFT KIT	
CODE	
<b>3KCRAFT</b>	✓
ORDER REF - MIC-KIT-CRAFT	

## HOBBY KIT

Restoring transparency to clear and coloured acrylics – plexiglas, acrylite, Lucite and Polycast. Restoring surface finish and remove minor damage on fibreglass, gel-coat, polyester, acrylic and other plastic surfaces also cultured marble. Polishing hard wood such as Mahogany, Teak, Oak and Ebony.



HOBBY KIT	
CODE	
<b>HOBBY</b>	✓
ORDER REF - MIC-KIT-HOBBY	



## ACRYLIC & POLYCARBONATE KIT

Micro Mesh kit for Acrylic and Polycarbonate restoration. Very popular for work on aerospace parts- Micro-Mesh has been approved by Boeing / McDonnell Douglas, the Military and FAA. Will restore up to 30 square feet of material.



### ACRYLIC & POLYCARBONATE KIT

CODE	
<b>KR70</b>	✓
ORDER REF - MIC-KIT-KR70	

## ACRYLIC HAND POLISHING KIT

This kit is used by hand to restore up to 60 square feet of aircraft transparencies or other acrylic surfaces. 16 off 3 X 6" sheets, foam block, micro-gloss and polishing cloth.



### ACRYLIC HAND POLISHING KIT

CODE	
<b>HP100</b>	✓
ORDER REF - MIC-KIT-HP100	

## STAINLESS STEEL KIT

This easy to use kit will remove surface scratches and damage caused by utensils, pots and pans, non-woven cleaners and steel wool. Colour-coded Micro-Mesh pads and micro-gloss.



### STAINLESS STEEL RESTORAL KIT

CODE	
<b>3DLSIRK01</b>	✓
ORDER REF - MIC-KIT-STAINLESSKIT	

## RESTORAL AND FINISHING KIT

For restoral on plastic, wood and paint. This kit will restore up to 30 square feet of plastic surface. It is one of the most complete kits for use by hand.



### RESTORAL AND FINISHING KIT

CODE	
<b>NC-78-1</b>	✓
ORDER REF - MIC-KIT-NC-78-1	

## FISH TANK MAINTENANCE KIT

For use on acrylic tanks to remove scuffs and scratches. Abrasives may be used on the inside of the tank with fish and water in place, however we suggest removing to avoid any contamination.



### AQUARIUM KIT

CODE	
<b>3KAQK</b>	✓
ORDER REF - MIC-KIT-AQUARIUM	

## TUB & SPA KIT

5 off 2 X 2" Soft touch pads, Micro-gloss liquid and a polishing cloth. Removes scratches and burn marks.



### TUB & SPA KIT

CODE	
<b>3KTSK</b>	✓
ORDER REF - MIC-KIT-3KTSK	



## KITCHEN & BATH MAINTENANCE KIT

Scratch Away Sink Restore Kit - Removes surface scratches and damage caused by utensils, pots and pans etc. Scratch Away Countertop Restore Kit removes stains, burn marks and scratches from solid surface countertops such as Corian. Scratch Away Tub and Spa Restore Kit - removes discolouration, scratches, scuffs and even burn marks from tubs, spas and tub surrounds.



### KITCHEN & BATH MAINTENANCE

CODE	
<b>3KBS3</b>	✓
ORDER REF - MIC-KIT-3KBS3	

## GRINDING

### CLEARCOAT REPAIR KIT

- 1 – 2" x 3" Soft Touch Pad, 2400/3600 Micro-Mesh
- 1 – 2" x 3" Soft Touch Pad, 4000/6000 Micro-Mesh
- 1 – 2" x 3" Soft Touch Pad, 8000/12000 Micro-Mesh
- 1 – 1 oz. Bottle, Micro-Gloss
- 1 – Polishing Cloth
- 1 – Set of Instructions



### CLEARCOAT REPAIR KIT

CODE	
<b>3KPAINT</b>	✓
ORDER REF - MIC-KIT-3KPAINT	

## HEADLIGHT / LANDING LIGHT REPAIR KIT

Micro-Mesh Landing Light (Plexiglass) Repair Kit for landing lights on aeroplanes as well as other similar plastic items.

4 double sided soft touch pads 3 x 4", soft cloth and compound.



### LANDING LIGHT REPAIR KIT

CODE	
<b>3KLENS</b>	✓
ORDER REF - MIC-KIT-3KLENS	

## BURN KIT

Micro-Mesh 3" x 6" sheets: 1500, 1800, 2400, 3600, 4000, 6000, foam block, Micro-Gloss and 1 polishing cloth.

Restore marble, solid surface, fibreglass and acrylic with this kit. Removes burn marks, stains, discolourations, scratches and surface defects. Great for restoring vanities, sinks, tubs and tub surrounds.



### BURN KIT

CODE	
<b>3KBURN</b>	✓
ORDER REF - MIC-KIT-BURN-3KBURN	

## PROFESSIONAL WOOD WORKERS KIT

This kit is designed for craftsmen to replace the use of steel wool, rottenstone or pumice. May be used on bare or finished wood, an excellent way to spot match finishes. Can be used wet or dry to achieve matte, satin or high gloss finishes.

Kit contents:

- 2 - 3" x 6" sheets Micro-Mesh 1500
- 2 - 3" x 6" sheets Micro-Mesh 1800
- 2 - 3" x 6" sheets Micro-Mesh 2400
- 2 - 3" x 6" sheets Micro-Mesh 3200
- 2 - 3" x 6" sheets Micro-Mesh 3600
- 2 - 3" x 6" sheets Micro-Mesh 4000
- 2 - 3" x 6" sheets Micro-Mesh 6000
- 2 - 3" x 6" sheets Micro-Mesh 8000
- 2 - 3" x 6" sheets Micro-Mesh 12000
- 1 - 3" x 3" micro-surface foam block



### PROFESSIONAL WOOD WORKERS KIT

CODE	
<b>3KWOOD</b>	✓
ORDER REF - MIC-KIT-PROFESS	

GRINDING

Micro-Mesh Sheet laminated on a foam core that provides added flexibility and conformity. Particularly good for curved surfaces. Packed into sets.

**AO - 7 pads, one of each grit - Yellow**

**MX - 13 pads, 1 of each grit - Grey**

**REGULAR - 9 pads, 1 of each grit - Colour Coded**



### 2" X 2" SOFT PADS VARIETY PACKS

<b>MX VARIETY</b>	✓
<b>AO VARIETY</b>	✓
<b>REGULAR VARIETY</b>	✓
<b>SINGLE PAD - ANY GRADE</b>	✓
ORDER REF - MIC-2X2SOFTPAD-(TYPE)	

### 3" X 4" SOFT PADS VARIETY PACKS

<b>MX VARIETY</b>	✓
<b>AO VARIETY</b>	✓
<b>REGULAR VARIETY</b>	✓
<b>SINGLE PAD - ANY GRADE</b>	✓
ORDER REF - MIC-3"X4"SOFTPAD-(TYPE)	

Micro-Mesh Swabs comprise of rounded foam tips coated with Micro-Mesh. Grits are colour coded for easy identification. These swabs are handy when you can't get your tool to fit.

**Sets include 12 swabs,  
1 of each grade from 100 MX  
to 12000.**



### Micro-Mesh SWABS

Size	
<b>2" VARIETY</b>	✓
<b>3" VARIETY</b>	✓
<b>5" VARIETY</b>	✓
ORDER REF - MIC-SWABS	

Plain cut and double cut can be ordered with a 'fine cut' - twice the number of cuts giving more control and better finish.

PLAIN CUT



DOUBLE CUT



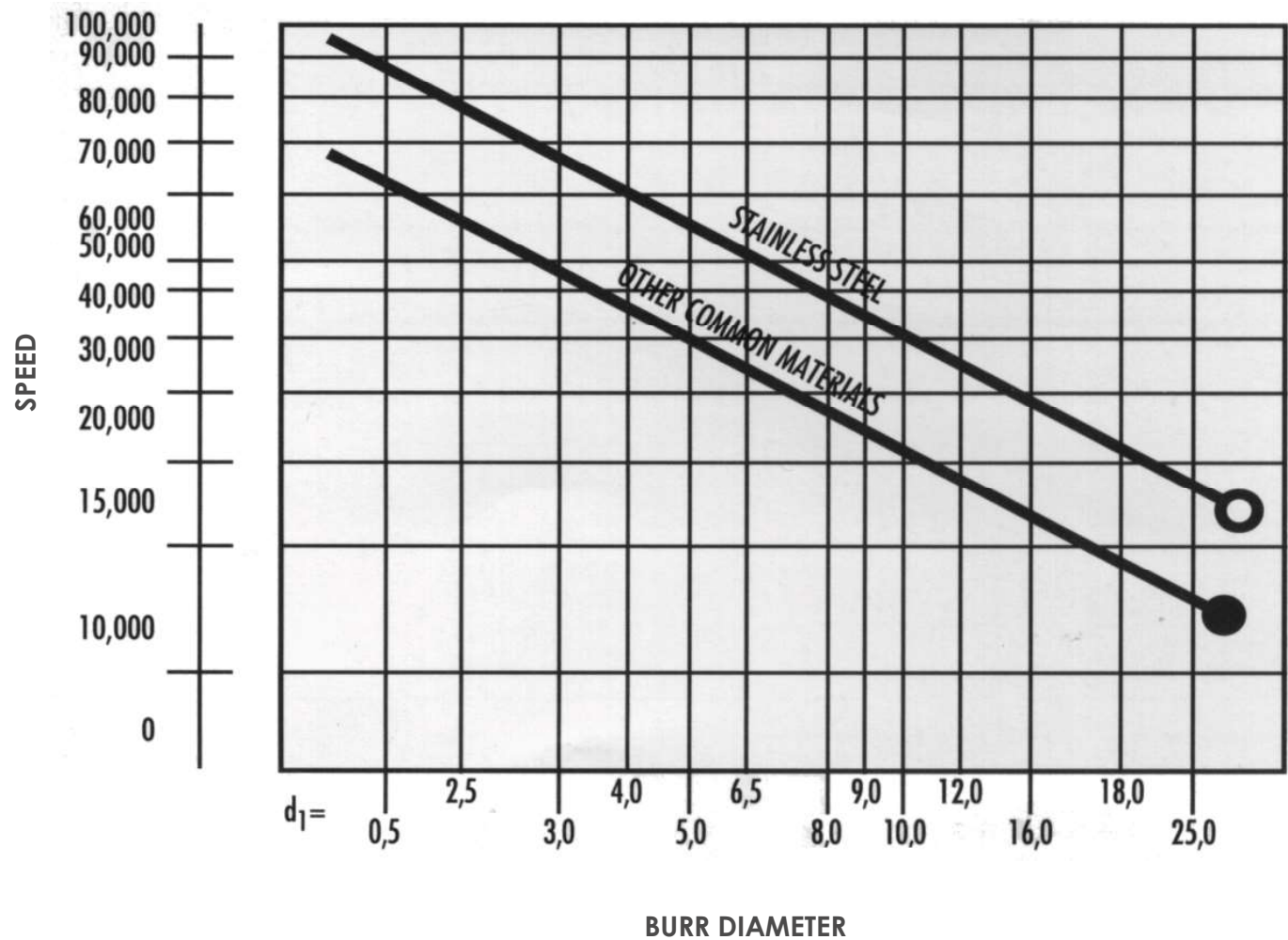
DIAMOND CUT



General purpose fluting. The second most popular fluting style.

The most popular of all fluting styles. Very efficient stock removal. Creates a small chip.

For use on heat treated and tough alloy steels, where control is important. Creates a powder-like chip.



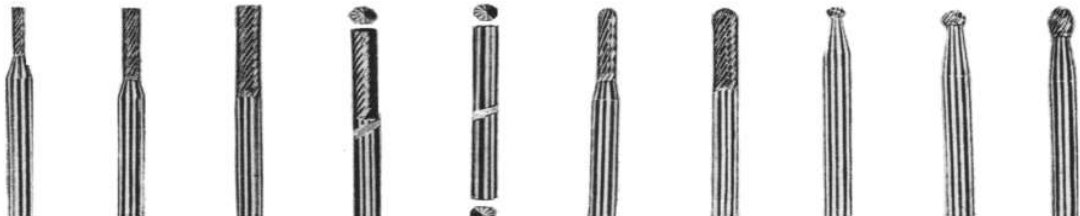
## LARGE 6MM HEADS



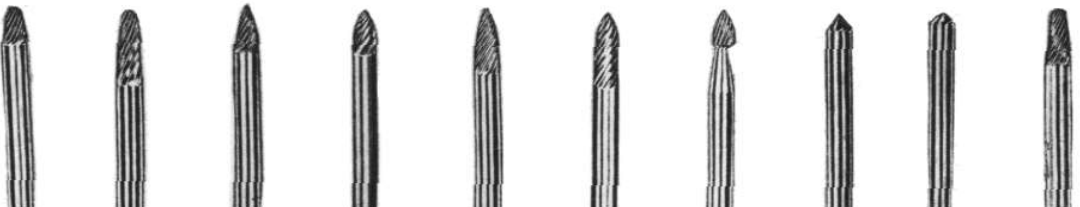
All in this line have a 6mm head diameter	Order Ref.	A0612	B0604	C0612	D0605	E0609	F0612	G0612	M0612	N0606
	Cut Diameter	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
	Flute Length	12.7	4.7	12.7	5	9.5	12.7	12.7	12.7	6
	Taper								22 deg.	10 deg.
		✓	✓	✓	✓	✓	✓	✓	✓	✓
	Diamond Cut									
		✓	✓	✓	✓	✓	✓	✓	✓	✓

GRINDING

## SMALL HEADS



Order Ref.	A0106	A0211	A0314	B0314	B0300	C0211	C0314	D0202	D0303	E0305
Cut Diameter	1.5	2.5	3	3	3	2.5	3	2.5	3	3
Cut Length	6	11	14	14	~	11	14	2.3	2.8	5.5



Order Ref.	F0306	F0312	G0306	G0308	G0309	G0312	H0306	J0302	K0301	L0309
Cut Diameter	3	3	3	3	3	3	3	3	3	3
Cut Length	6	12.7	6	8	9.5	12.7	6.3	2.5	1.5	9.5
Taper								60 inc.	90 inc.	

**WHEN ORDERING PLEASE STATE** Reference No, Shank Diameter and Cut Required. Some shapes are available on an extra-long shank i.e 2"-3" overall length.



CARBIDE BURRS - 3MM or 1/8" SP	
Plain or Double Cut	✓
Plain Fine or Double Fine Cut	✓
Diamond or End Cut	✓
ORDER REF - e.g CBA0612	

Order Ref.	L0312	M0308	M0311	M0316	N0203	N0304
Cut Diameter	3	3	3	3	2.5	3
Cut Length	12.7	8.9	11	16	3	4
Taper	8	12	14	7	10	10



Carbide burrs are used for a wide range of stock removal and grinding operations. These small burrs on 2.35mm shanks are particularly suited to small detailed work, consequently they are very popular with jewellers.

They are useful on a wide range of materials, including hard ones such as metal, ceramic, plastics and even wood.

Plain Cut is for general purpose fluting, consequently the second most popular cut. Carbide is commonly used in deburring and for engineering. It offers better long term performance than other materials such as HSS (High Speed Steel).

Carbide burrs need to be used at relatively high speeds. Ideally suited to use with air tools, flexible shaft systems and micromotors.

GRINDING

MICRO CARBIDE BURRS ON 2.35MM & 1.6MM SHANK

- **TYPE HP** - 2.35mm (3/32") shank diameter, overall length 45mm
- **TYPE FG** - 1.6mm shank diameter, overall length 22mm (limited stock - please enquire)
- **ISO No** - Denotes diameter of the carbide head, i.e Fig. 3 ISO-012 = 1.2mm dia.

WHEN ORDERING, PLEASE STATE WHETHER TYPE FG OR HP SHANK IS REQUIRED & ISO NO/SIZE

Micro Carbide Burrs Flat Fissure  
Micro Carbide Burrs Flat Fissure (Fig. 21)



MICRO CARBIDE BURRS

SUPPLIED IN PACKS OF 6 ONLY

✓

ORDER NO - CBMCFIG



FIG. 1  
ROUND  
Plain Cut

ISO No.	OO2	OO4	OO5	OO7	OO8	OO9	O10	O12	O14	O16	O18	O21
Dia.	0.2mm	0.4mm	0.5mm	0.7mm	0.8mm	0.9mm	1.0mm	1.2mm	1.4mm	1.6mm	1.8mm	2.1mm



FIG. 21  
FLAT FISSURE  
Plain Cut

FIG.21	ISO No.	OO8	O10	O12	O14	O16	O18	O21
--------	---------	-----	-----	-----	-----	-----	-----	-----

CYLINDER			
Ref.	Head Dia.	Flute length	
A0312	3	12	✓
A0416	4	16	✓
A0616	6	16	✓
A0625	6	25	✓
A0819	8	19	✓
A0919	9.5	19	✓
A0925	9.5	25	✓
A1125	11	25	✓
A1225	12.7	25	✓
A1625	16	25	✓
A1925	19	25	✓
A2525	25	25	✓

CYLINDER



SHAPE A

CYLINDER (END CUT)			
Ref.	Head Dia.	Flute length	
B0312	3	12	✓
B0516	5	16	✓
B0616	6	16	✓
B0625	6	25	✓
B0819	8	19	✓
B0919	9.5	19	✓
B0925	9.5	25	✓
B1125	11	25	✓
B1225	12.7	25	✓
B1625	16	25	✓
B1925	19	25	✓
B2525	25	25	✓

CYLINDER  
(END CUT)



SHAPE B

CYLINDER (RADIUS)			
Ref.	Head Dia.	Flute length	
C0312	3	12	✓
C0516	5	16	✓
C0616	6	16	✓
C0625	6	25	✓
C0819	8	19	✓
C0919	9.5	19	✓
C0925	9.5	25	✓
C1125	11	25	✓
C1225	12.7	25	✓
C1625	16	25	✓
C1925	19	25	✓
C2525	25	25	✓

CYLINDER  
(RADIUS)



SHAPE C

OVAL			
Ref.	Head Dia.	Flute length	
E0609	6	9.5	✓
E0916	9.5	16	✓
E1222	12.7	22	✓
E1625	16	25	✓
E1925	19	25	✓

OVAL



SHAPE E

BALL			
Ref.	Head Dia.	Flute length	
D0302	3	2.8	✓
D0503	5	4	✓
D0605	6	5	✓
D0806	8	6.4	✓
D0908	9.5	8	✓
D1109	11	9.5	✓
D1211	12.7	11	✓
D1614	16	14	✓
D1917	19	16	✓
D2524	25	21	✓

BALL



SHAPE D

TREE (RADIUS)			
Ref.	Head Dia.	Flute length	
F0312	3	12.7	✓
F0616	6	16	✓
F0919	9.5	19	✓
F1125	11	25	✓
F1219	12.7	19	✓
F1225	12.7	25	✓
F1625	16	25	✓
F1925	19	25	✓
F1932	19	32	✓
F1934	19	34	✓

TREE  
(RADIUS)



SHAPE F

TREE (POINTED)			
Ref.	Head Dia.	Flute length	
G0616	6	16	✓
G0819	8	19	✓
G0919	9.5	19	✓
G1219	12.7	19	✓
G1225	12.7	25	✓
G1625	16	25	✓
G1925	19	25	✓
G1938	19	38	✓

TREE  
(POINTED)



SHAPE G

FLAME			
Ref.	Head Dia.	Flute length	
H0819	8	19	✓
H1232	12.7	32	✓
H1636	16	36	✓
H1941	19	41	✓

FLAME



SHAPE H

## SOLID CARBIDE BURRS

+20% for 'Fine Cut'

(available with Plain or Double Cut)

+20% for Diamond Cut

**When ordering, please state:**

**shank diameter & type of cut required**

60 DEGREE CONE			
Ref.	Head Dia.	Flute length	
J0604	6	4	✓
J0908	9.5	8	✓
J1211	12.7	11	✓
J1614	16	14.5	✓
J1917	19	17.5	✓
J2524	25	24.5	✓

60 DEGREE CONE



J SHAPE

CONE				
Ref.	Head Dia.	Flute	Included	
		Length	Angle	
M0612	6	12.7	22	✓
M0619	6	19	14	✓
M0625	6	25	10	✓
M0916	9.5	16	28	✓
M1222	12.7	22	28	✓
M1625	16	25	31	✓

CONE



M SHAPE

90 DEGREE CONE			
Ref.	Head Dia.	Flute length	
K0603	6	3	✓
K0904	9.5	4.7	✓
K1206	12.7	6.3	✓
K1608	16	8	✓
K1909	19	9.5	✓
K2512	25	12.7	✓

90 DEGREE CONE



INVERTED CONE				
Ref.	Head Dia.	Flute	Included	
		Length	Angle	
N0608	6	8	10	✓
N0909	9.5	9.5	13	✓
N1212	12.7	12.7	28	✓
N1619	16	19	18	✓
N1916	19	16	30	✓

INVERTED CONE



N SHAPE

14 DEGREE TAPER (Radius)			
Ref.	Head Dia.	Flute length	
L0616	6	16	✓
L0822	8	22	✓
L0927	9.5	27	✓
L1228	12.7	28	✓
L1630	16	30	✓
L1938	19	38	✓

14 DEGREE TAPER (RADIUS)



L SHAPE

## SOLID CARBIDE BURRS

+10% for 'Fine Cut'

(available with Plain or Double Cut)

+20% for Diamond Cut

**When ordering, please state:**

**shank diameter & type of cut required**

## CARBIDE BURRS FOR ALUMINIUM & PLASTICS, COPPER, BRASS

These burrs have a special cut which has been made for Alloys

- Reduce the amount of clogging
- Longer lasting burrs
- Smoother running
- Small heads on a 3mm spindle
- Cutting speeds recommended at 400 to 1000m/min
- Burrs are sold each – delivery may take a maximum of 7 days



## END MILLS & COUNTERSINKS

### MICROGRAIN (METRIC) SOLID CARBIDE END MILLS



### SOLID CARBIDE COUNTERSINKS



### SOLID CARBIDE JIG BORING TOOLS



## PREMIUM CARBIDE BURR SETS

Great value, premium carbide burr sets. These sets offer various shapes all on a 3mm spindle.

Carbide is commonly used in deburring and for engineering. It offers better long-term performance than other materials such as HSS (High-Speed Steel).

Small Head – Set of 10, 10 variations.

Large Head – Set of 10, 5 variations.

Alumina Cut – Set of 10



PREMIUM CARBIDE BURR SETS		
Size		CODE
Small Head	✓	CBSETBH-3MM
Large Head	✓	CBSETBH-3MM
Alumina Cut	✓	Call to ask for details

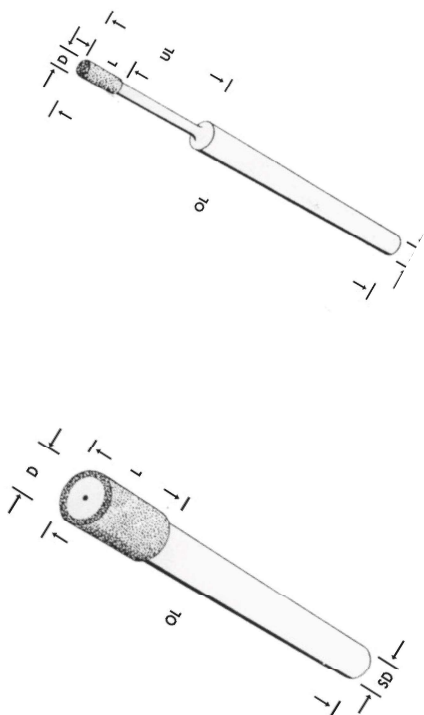
## JIG & INTERNAL PRECISION GRINDING PINS

### BORAZON (CBN) OR DIAMOND

**Borazon Pins-** Used on tough, high carbon and high chrome M&T series steels, as well as high nickel and cobalt alloys.

**Diamond Pins-** Used on carbide, ceramics, sapphire and glass, as well as tough, super alloys and reinforced plastics.

OTHER SIZES AND SHAPES NOW AVAILABLE UP TO 15MM DIA & ALSO IN BALL, CONE AND TAPER SHAPES IN COARSE, MEDIUM AND FINE. ASK FOR DETAILS.



GRINDING PINS						
Diameter (mm)	Shank Diameter mm	L (mm)	UL (mm)	OL (mm)	Minimum Order Qty.	
0.4	3.0	2	3	46	2 off	✓
0.5	3.0	3	3	46	2 off	✓
0.6	3.0	3	3	46		
0.7	3.0	2	2	40		
0.8	3.0	4	6	46	2 off	✓
1.0	3.0	5	9	55		
1.5	3.0	5	13	55		
2.0	3.0	5	17	55	2 off	✓
2.5	3.0	4	19	55		
3.0	3.0	6	22	55		
3.5	3.0	6		55	2 off	✓
4.0	3.0	6		55		
5.0	3.0	6		55		
6.0	3.0	6		55	2 off	✓
8.0	6.0	6		66		
10.0	6.0	10		60	1 off	✓
12.0	6.0	10		60		
15.0	6.0	10		60		

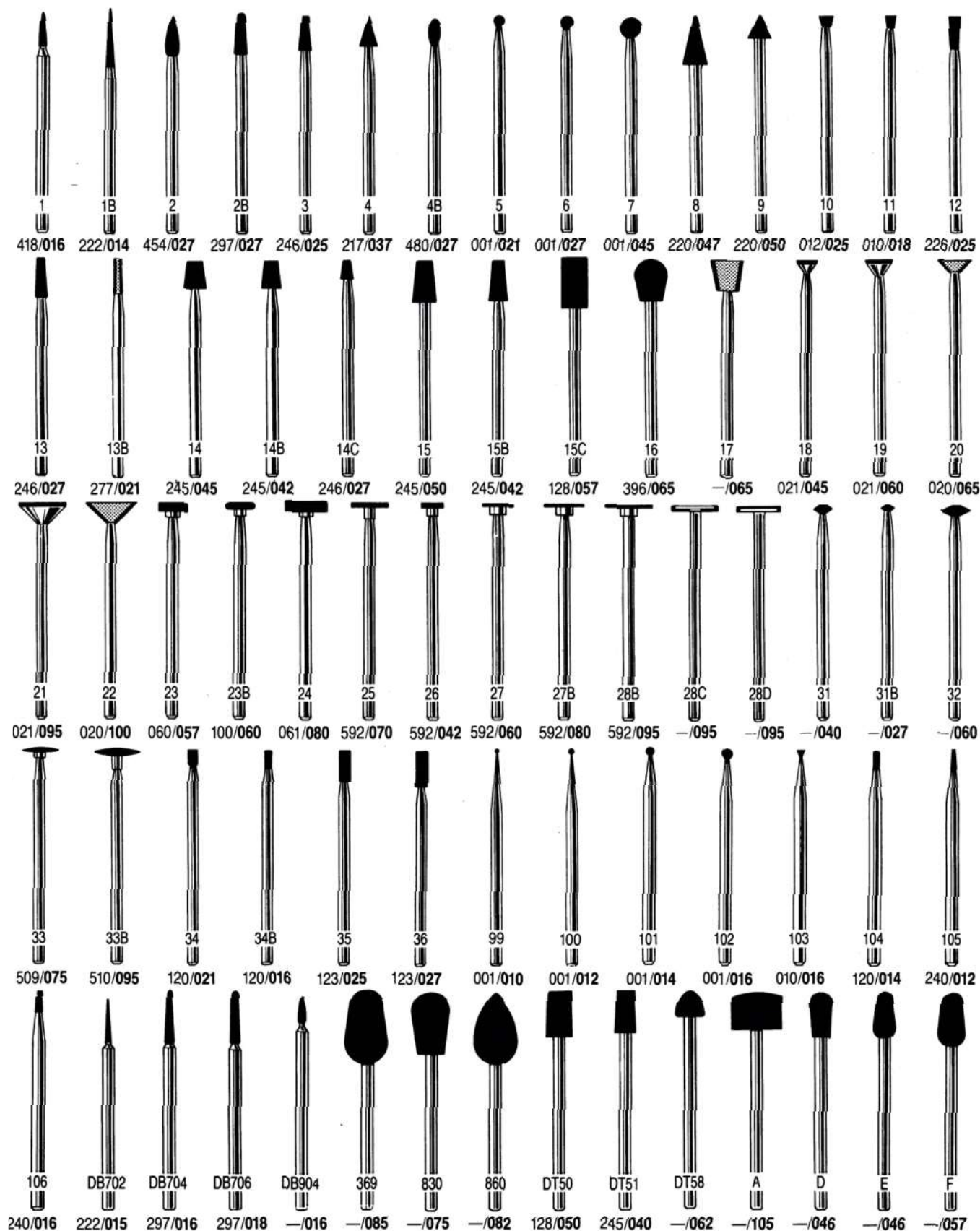
ORDER REF - PINS



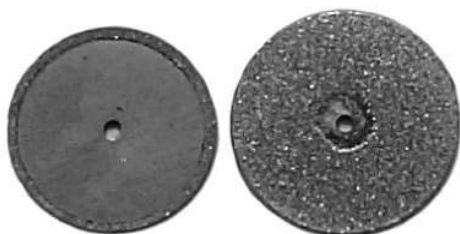
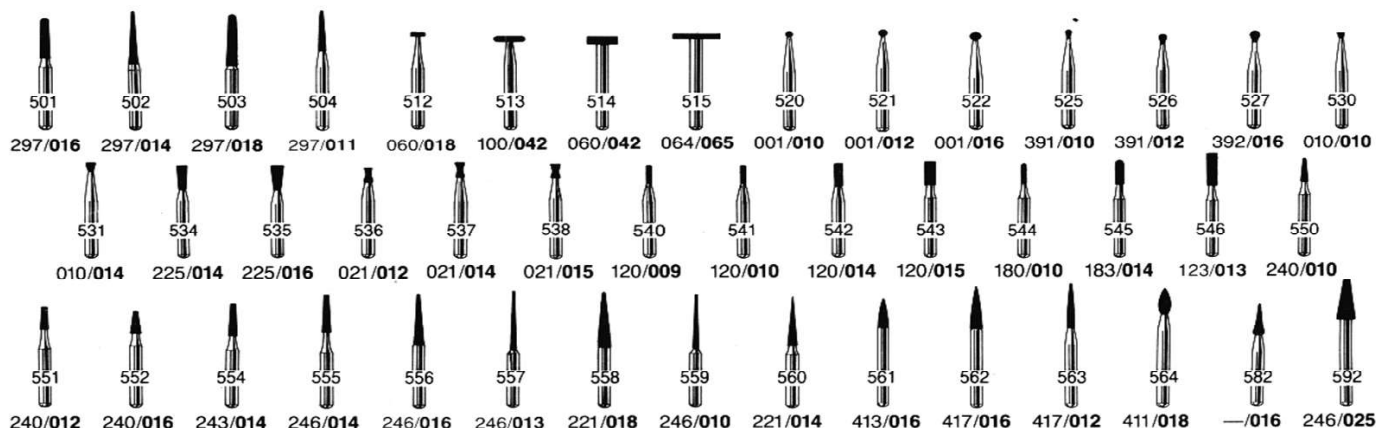
## HP DIAMOND POINTS ON 2.35MM SHANK

- N.B where the ISO reference numbers are given, the last three digits (in bold type) indicate the nominal maximum head dimension. Eg. 196/016 - 1.6mm diameter
- 2.35mm shank - Exact sizes illustrated

GRINDING



## FG DIAMOND POINTS ON 1.6MM SHANK



### DIAMOND SLOT WHEELS

- **88D** - Diamond on the rim only
- **88DC** - Diamond fully coated
- **88DCHD** - Fully coated heavy duty

Available in:

20, 25, 30, 40, 50, 65, 75, 100, 125  
and 150mm diameters.

SLOT WHEELS	
Order Ref - Size	
<b>88D</b> 22mm dia x 0.6mm	✓
<b>88DC</b> 22mm dia x 0.6mm	✓
<b>88DCHD</b> 25mm dia x 0.6mm	✓
ORDER REF - DIAMONDWHEEL..	

FG DIAMOND POINTS - 1.6mm dia shank	
Ref.	
501, 502, 503, 504, 512, 520, 521, 522, 525, 526, 527, 530, 531, 534, 535, 536, 537, 538, 540, 541, 542, 543, 545, 546, 550, 551, 552, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 582	✓ Minimum order 5 of one type
513, 514, 515, 518, 592	✓
ORDER REF - DPFPG...	

HP DIAMOND POINTS - 2.35mm dia shank	
Ref.	
1, 1B, 2, 2B, 3, 5, 6, 10, 11, 13, 13B, 34, 34B, 99, 100, 101, 102, 103, 104, 105, 106, DB702, DB704, DB706, DB904	✓ Minimum order 5 of one type
4B, 7, 14, 14B, 14C, 18, 19, 26, 31, 31B, 32, 35, 36	✓
4, 9, 15, 15B, 15C, 20, 24, 28B, 28D, 33, D, E, DT50, DT51, DT58	✓
8, 16, 17, 21, 22, 23, 23B, 25, 27, 27B, F, 33B, 369, 830, 860	✓
A	✓
ORDER REF - DPHP...	

**MM304DM WHEEL MANDREL**  
3mm shank



<b>304DM</b>
✓
ORDER REF - MM304DM

**MM503 SCREW TOP MANDREL**  
2.35mm or 3mm shank



<b>503 MANDREL</b>
✓
ORDER REF - MM503

**FG COLLET REDUCER**  
2.35mm shank, down to a 1.6mm



<b>FG COLLET REDUCER</b>
✓
ORDER REF - DPFGCOLLETHOLDER

## 20 PIECE DIAMOND POINT SET

- 2.35mm Shank
- 20 Piece Set



20 PIECE SET-2.35MM SP



ORDER REF - DPSET-2.35-M-20P

## 30 PIECE DIAMOND POINT SET

- 3mm Shank
- 30 Piece Set



30 PIECE 3MM SP



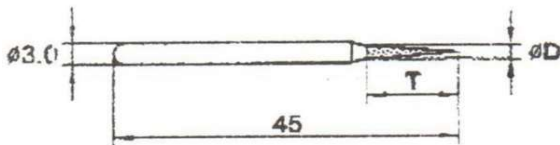
ORDER REF -  
DPSET-3MM-MIXEDH-BQ

## GRINDING

### DIAMOND POINTS

For working on all metals, alloys, steel & precious metals as well as plastics & ceramics - On a 3mm shank

Sold Individually



### BM DIAMOND POINTS ON 3MM

REF.		REF.	
BM 25B	✓	BM 30A	✓
BM 40B	✓	BM 50A	✓
BM 50B	✓	BM 30C	✓
BM 20F	✓	BM 40C	✓
BM 20P	✓	BM 50C	✓
BM 20R	✓	BM 50F	✓
BM 30P	✓	BM 60P	✓
BM 10C	✓	BM 130X	✓
BM 20A	✓	Max RPM 40,000	

ORDER REF - DPBM...

NO	BM 25B	BM 40B	BM 50B	BM 20F	BM 20P	BM 20R	BM 30P	BM 10C	BM 20A	BM 30A	BM 50A	BM 30C	BM 40 C	BM 50C	BM 50F	BM 60P	BM 130X
D (MM)	2.5	4	4.8	2	2	2	3	1	2	3	5	3	4	5	5	6	13
T (MM)	~	~	~	10	12	12	15	10	8	10	10	10	10	10	10	13	2

WE WOULD BE VERY PLEASED TO QUOTE YOU FOR ALL NON-STANDARD CHISELS AND DRESSERS. SPECIALIST DESIGN OF TOOLS UNDERTAKEN.



## SINGLE POINT DIAMOND DRESSERS

English manufacture - Excellent quality

- One carat diamond
- 3/8 x 4" or 1/2 x 4"

Sold Per Dresser

### DIAMOND CHISELS & DRESSERS

#### STANDARD CHISELS

60 or 40 deg. x .005" - .015"

60 or 40 deg. x .020"

30 deg x .005" - .020"



#### RADIUS FORMING CHISELS - DIAFORM, etc

60 or 40 deg. x .005" - .015"

60 or 40 deg. x .020"

30 deg. x .005" - .020"



#### SINGLE POINT DIAMOND DRESSERS

3/8 x 4" or 1/2 x 4"



ORDER REF - DTSPD OR DC



## MINIMAT & MAXIMAT FLICK WHEELS

Minimat wheels are used with a pendant drill or micromotor. For adding decorative satin finishes to metal, particularly precious and soft metals.

Maximat wheels are used with a bench polisher with tapers. For adding decorative satin finishes to metal, particularly precious and soft metals.

- Blue 0.2mm Fine
- Red 0.3mm Medium
- Yellow 0.45mm Coarse
- Green 0.6mm V.Coarse

Sold Individually - Refills Available



## SMALL MOUNTED CUPS, WHEELS & PENCILS

Brass, Steel, Bristle, Hair and Nylon. These points are particularly useful for detail polishing & deburring

Sold Per 10



**FOR POLISHING  
BRISTLE AND HAIR  
WHEELS, CUPS AND  
PENCILS PLEASE  
SEE PAGE 107**

## MOUNTED WIRE WHEELS, CUPS & PENCILS

A useful range of mounted wire brushes for deburring or rust removal.

Note- 9040 range specifically for lighter use to fit into a power drill. All are on a 6mm shaft

Sold Individually



### MAXIMAT & MINIMAT FLICK WHEELS

TYPE		ORDER REF + GRADE
Complete MINIMAT	✓	FLICKWHEELMINI
Minimat Mandrel	✓	FLICKWHEEL-MINI-MANDREL
Minimat Core/Hub	✓	FLICKWHEEL-MINI-COREHUB
Minimat Refills	✓	FLICKWHEELMINIREFILL
Complete MAXIMAT	✓	FLICKWHEELMAXI
Maximat Refills	✓	FLICKWHEELMAXIREFILL

2.35MM SPINDLE	WHEELS		CUPS		PENCILS	
Material	19mm	22mm	10mm	12mm	4.5mm	6mm
Brass, Fine	X	✓	✓	✓	✓	✓
Steel, Fine	X	✓	✓	✓	✓	X
Stainless Steel	X	✓	X	X	✓	X

ORDER REF - VSM- (OR SM-)

3MM SPINDLE	WHEELS		CUPS		PENCILS	
Material	20mm	25mm	12 x 3mm	15 x 8mm	5 x 6mm	6 x 8mm
Brass		✓	X	✓	X	✓
Steel		✓	✓	X	X	✓

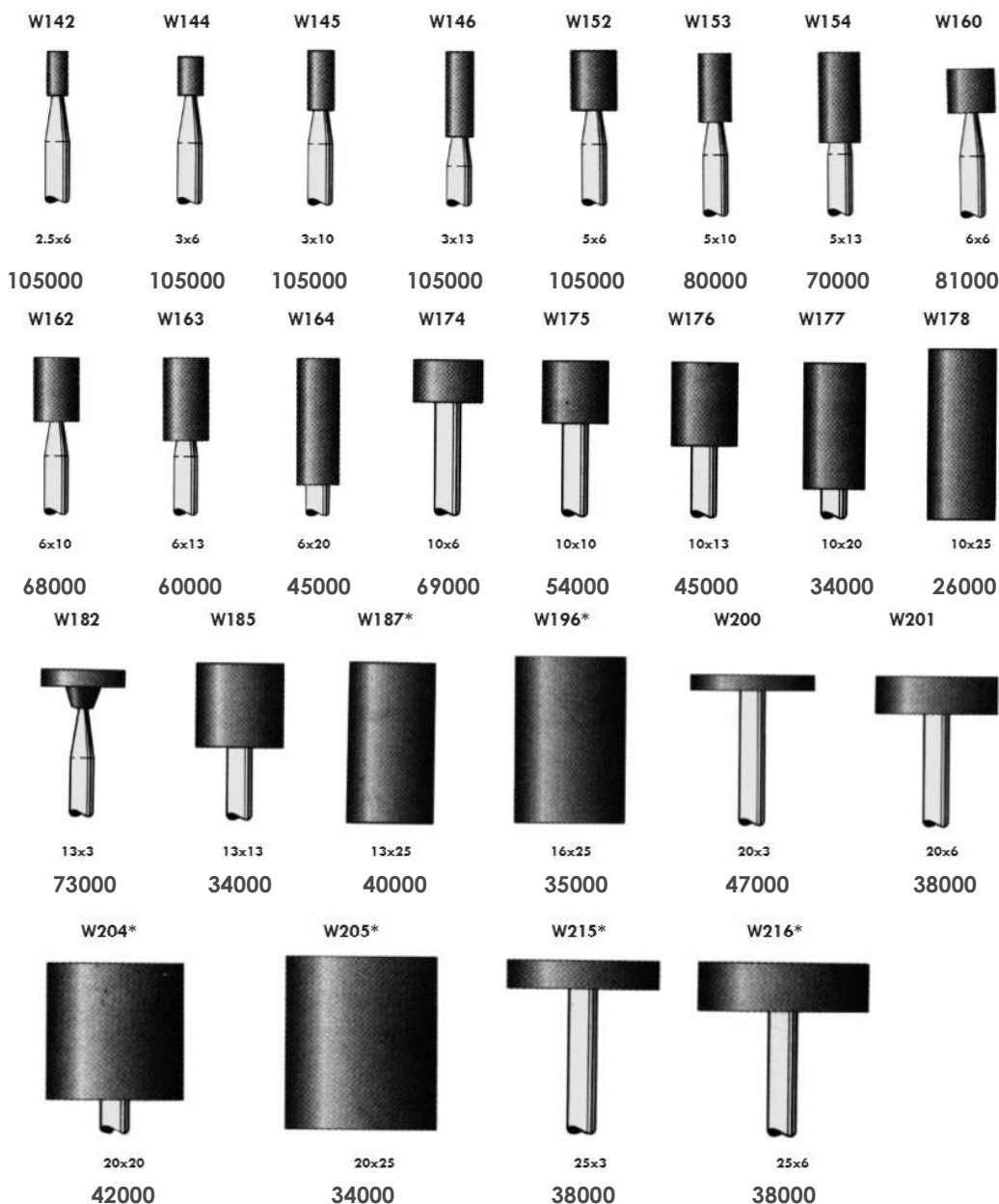
ORDER REF - VSM3MM

### MTD WHEELS, CUPS & END BRUSHES

Part No.	Type	Size (mm)	Wire Dia.	Wire Type	RPM	
		Dia x Width				
9552.03	Wheel	30 x 6	0.20	Steel	20,000	✓
9552.43	Wheel	30 x 6	0.20	Stainless	20,000	✓
9582.43	Wheel	40 x 9	0.20	Stainless	18,000	✓
9582.44	Wheel	50 x 10	0.20	Stainless	15,000	✓
9582.46	Wheel	60 x 10	0.30	Stainless	15,000	✓
9040.42	Wheel	50 x 6	0.30	Steel	4,500	✓
9040.43	Wheel	75 x 6	0.30	Steel	4,500	✓
9040.44	Wheel	100 x 6	0.30	Steel	4,500	✓
9040.52	Cup	50	0.30	Steel	4,500	✓
9040.53	Cup	75	0.30	Steel	4,500	✓
9310.05	Pencil	12	0.30	Steel - Flat	20,000	✓
9310.05	Pencil	12	0.30	Steel - Pointed	20,000	✓
9322.05	Pencil	24	0.30	Steel - Flat	18,000	✓
9322.05	Pencil	24	0.30	Steel - Pointed	18,000	✓

ORDER REF - WW.(PART NO)





W-SHAPE POINTS	
ORDER REF	
W142	✓
W144	✓
W145	✓
W146	✓
W152	✓
W153	✓
W154	✓
W160	✓
W162	✓
W163	✓
W164	✓
W170	✓
W174	✓
W175	✓
W176	✓
W177	✓
W178	✓
W179*	✓
W182	✓
W185	✓
W187*	✓
W188*	✓
W196*	✓
W197*	✓
W200	✓
W201	✓
W204*	✓
W205*	✓
W208*	✓
W215	✓
W216*	✓
W220*	✓
W222*	✓
W225*	✓
W226*	✓
W227*	✓
W235*	✓
W236*	✓
W238*	✓
W242*	✓

## MOUNTED VITRIFIED POINTS W-SHAPE

- Not all shapes are available in all grades.
- Metric and imperial shank sizes.
- \*large dia. on 6mm or 1/4" shank only.

**Sold in Packs of 10**

Other 'W' Shapes available, not illustrated above					
ORDER REF	Size	Max.rpm	Point No.	Size	Max.rpm
W170	8x13	45000	W225*	32x6	29000
W179*	10x32	45000	W226*	32x10	29000
W188*	13x38	30000	W227*	32x13	30000
W197*	16x50	21000	W235*	38x6	25000
W208*	20x50	18000	W236*	38x13	25000
W220*	25x25	25000	W238*	38x38	15000
W222*	25x50	15000	W242*	50x25	19000


































































**PINK:** The most popular. Aluminium Oxide, with low/medium Chromium Oxide content. Fine finish. Hard – retains shape longer.

**RUBY:** Aluminium Oxide, with high Chromium Oxide content. Generally coarser grit than Blue. Excellent stock removal on die work, castings and general grinding and deburring.

**BLUE:** Aluminium Oxide. A finer grit. General work with a low to medium stock removal to produce a good surface finish.



B-SHAPE POINTS	
ORDER REF	
B41	✓
B42	✓
B43	✓
B44	✓
B45	✓
B46	✓
B47	✓
B51	✓
B52	✓
B53	✓
B54	✓
B55	✓
B62	✓
B63	✓
B64	✓
B65	✓
B71	✓
B72	✓
B73	✓
B74	✓
B81	✓
B91	✓
B92	✓
B93	✓
B95	✓
B96	✓
B97	✓
B98	✓
B103	✓
B104	✓
B105	✓
B106	✓
B111	✓
B112	✓
B113	✓
B114	✓
B115	✓
B121	✓
B122	✓
B123	✓
B124	✓
B125	✓
B131	✓
B132	✓
B133	✓
B134	✓
B135	✓
B136	✓

B41	B42	B43	B44	B45	B46	B47	B51	B52	B53	B54			
													
16x16 33000	13x20 33000	6x8 81000	6x10 68000	5x8 104000	4x8 105000	4x4 105000	11x20 45000	10x20 45000	8x20 45000	6x13 60000			
B55	B62	B63	B64	B65	B71	B72	B73	B74	B81	B91			
													
3x6 105000	13x10 41000	6x5 92000	6x3 105000	3x3 105000	16x4 60000	13x4 73000	13x4 73000	5x2 105000	20x5 48000	13x16 34000			
B92	B93	B95	B96	B97	B98	B103	B104	B105	B106	B111	B112		
													
6x6 81000	5x5 105000	3x5 105000	3x6 105000	4x10 105000	4x6 105000	16x6 59000	8x10 68000	6x6 104000	3x3 105000	10x20 33000	10x13 45000		
B113	B114	B115	B121	B122	B123	B124	B125	B131	B132	B133	B134	B135	B136
													
6x6 81000	5x9 68000	2x3 105000	13Ø 45000	10Ø 61000	5Ø 104000	3Ø 105000	6Ø 81000	13x13 34000	10x13 45000	10x10 54000	8x9 61000	6x13 60000	6x8 70000
A2	A4	A5	A12	A13	A14	A15	A21						
													
25x32 38000	32x32 30000	20x28 45000	20x32 48000	30x32 33000	20x22 53000	6.5x27 72000	25x25 34000						
A23	A24	A25	A26	A32	A33	A37	A38	A39					
													
20x25 39000	6.5x20 76000	25Ø 35000	16Ø 60000	25x19 38000	25x13 38000	30x7 30000	25x25 34000	20x20 47000					



Max safe working speed displayed below size (RPM)

'B' SHAPES  
1/8" or 3mm shank

'A' Shapes  
1/4" or 6mm shank

A-SHAPE POINTS	
ORDER REF	
A2	✓
A4	✓
A5	✓
A12	✓
A13	✓
A14	✓
A15	✓
A21	✓

A-SHAPE POINTS	
ORDER REF	
A23	✓
A24	✓
A25	✓
A26	✓
A32	✓
A33	✓
A37	✓
A38	✓
A39	✓

## MOUNTED PINK POINTS IN QUANTITY

A selected range of pink mounted points on 3mm shanks at incredibly low prices, for those who buy in quantity. Please note these quantities may be subject to long lead times. Please enquire for more information.

### Sold Per Quantity



MTD PINK POINTS IN QUANTITY				
ORDER REF		Quantity Discount		
		200+	500+	1000+
W142	✓	-20%	-25%	-30%
W144	✓			
W145	✓			
W146	✓			
W153	✓			
W154	✓			
W163	✓			
W164	✓			
W170	✓			
W176	✓			
B44	✓			
B52	✓			
B53	✓			
B55	✓			
B97	✓			
B122	✓			
B123	✓			
Discounted prices based on orders of one size only, not a mixture				

## MOUNTED POINT SET

A mixture of shapes and grades from our comprehensive range. Sets available on 1/8" or 3mm spindles. Please state which you require.



MTD POINT SET	
SPINDLE	
3mm	✓
1/8"	
ORDER REF - MPSET	

## MOUNTED PINK POINTS ON 2.35MM

A range of shapes on a 2.35mm spindle. Ideal for Jewellers, the smaller spindle allows for smaller heads.

### Sold Individually



W163 A80-GFX 60,000	B123 104,000	W163 60,000	B53 60,000	W176 45,000
W163 A80-MCFlex 60,000	W144 105,000	B185 60,000	B44 60,000	B103 59,000
W163 A80-MCFlex 60,000	B57 105,000	W163 80,000	B44 60,000	B103 59,000

(BPM - Maximum safe operating speeds at 13mm overhang)  
(not drawn to scale)

PINK POINTS ON 2.35MM				
SHAPE	HEAD DIMENSIONS	GRIT SIZE		ORDER REF
CYLINDER	2 X 5mm	120g	✓	O542101
	4 X 8mm	80g	✓	O542103
	6 X 10mm	80g	✓	O542105
CONE	6 X 10mm	100g	✓	O542118
SPHERE	5mm	100g	✓	O542114
	8mm	80g	✓	O542115
ORDER REF - JOKE-(REF)				

## MICROPOINTS

- Micropoints have been introduced to provide a precision small finishing point for fine finishing and the ability to dress to a shape.
- On a 3mm shank.
- 1.7mm head diameter.
- Aluminium Oxide 320g , very hard vitrified bond giving long life and keeping their form.
- Colour may vary, blue is medium and white is fine. Please state when ordering if you have a preference.

**Sold in Packs of 10**



MICROPOINTS per 10	
BLUE	✓
PREMIUM WHITE	✓
ORDER REF - MICROPOINTS	

## 1MM MICRO GRINDING POINTS

- The smallest points on the market.
- With a head diameter of 1mm (x 7mm) on a 3mm shank.
- Pink Aluminium Oxide.

**Sold Individually**



1MM GRINDING POINTS	
HEAD SIZE	
1mm X 7mm	✓
ORDER REF - MICROPOINTS-1MM	

GRINDING

## EXTRA LONG GRINDING POINTS

Reach further with these extra long points.

- 3mm shank x 80mm long
- White Aluminium Oxide

**Sold in Packs of 10**



EXTRA LONG GRINDING POINTS		
HEAD DIMENSIONS	MAX RPM	
4mm X 10mm	10,000 RPM	✓
6mm X 10mm	6,000 PRM	
8mm X 10mm	5,000 RPM	
10mm X 10mm	4500 RPM	
120 GRIT	ORDER REF- W-(SIZE)X30-OAL	

## X-TRA CUT POINTS

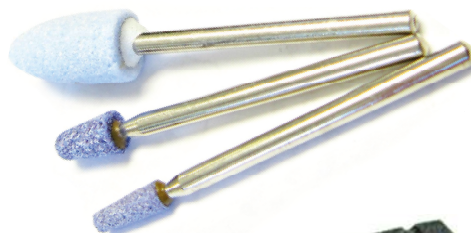
X-TRA CUT, long life, mounted points comprise a premium aluminium oxide in a medium/hard bond.

These points provide superior cutting for fast stock removal.

X-TRA CUT points run cooler and last 2-3 times longer than standard mounted points. Other grades of fast cutting points are soft and have rapid wear.

Each point is securely bonded and trued and can be accurately dressed using the "truing" stone below.

**Sold in Packs of 10**



## TRUING STONE

Used to dress, shape and clean mounted points. Quickly resurfaces points back to 'like new' condition.



X-TRA CUT MTD POINTS x 1/8" shank		
ORDER REF	Size (mm)	
XC-W142	2.5 x 6	✓
XC-W145	3 x 10	✓
XC-W153	5 x 10	✓
XC-W160	6 x 6	✓
XC-W163	6 x 13	✓
XC-W170	8 x 13	✓
XC-W185	13 x 13	✓
XC-B44	6 x 10	✓
XC-B52	10 x 20	✓
XC-B97	4 x 10	✓
XC-B122	10 dia	✓
XC-B124	3 dia	✓
XC-B125	6 dia	✓

TRUING STONE	
TR-1 Each	✓
ORDER REF - XC-TRUINGSTONE	



## XEBEC EXTENDED DEBURRING TOOL

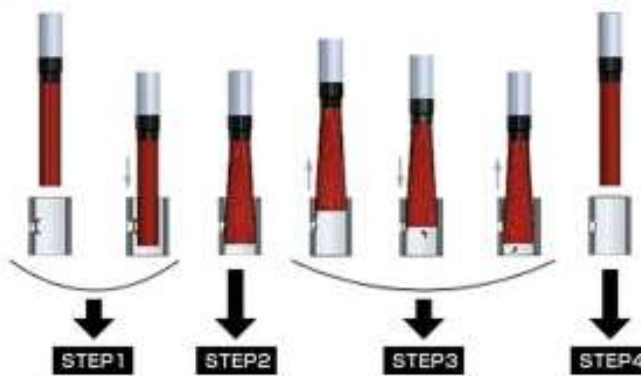
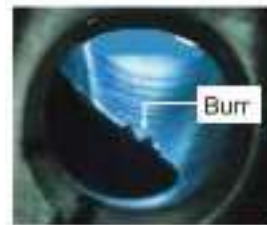
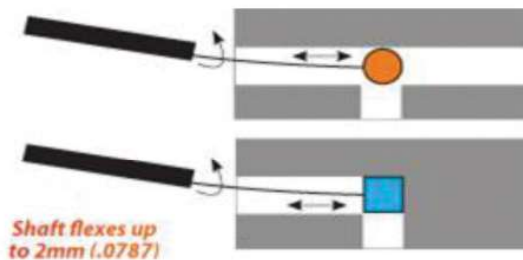
These new little grinding points are perfectly suited to accurate precision deburring of cross holes. The 40mm long elastic shaft reduces the risk of breakage during use. The special aluminium oxide material ensures continually high grinding performance. They have a self sharpening cutting edge that remains completely free of grinding dust.

**Sold Individually**



XEBEC EXTENDED DEBURRING TOOL				
SIZE	SHAPE	GRIT	MAX RPM	
3mm	CYLINDER (HR) & BALL (HB)	Grey 220g Orange 400g Blue 800g	10,000rpm	✓
4mm	CYLINDER (HR) & BALL (HB)		10,000rpm	✓
5mm	CYLINDER (HR) & BALL (HB)		8,000 rpm	✓
6mm	BALL (HB) ONLY		8,000 rpm	✓
10mm	BALL (HB) ONLY	220g (grey) only	6,000 rpm	✓
ORDER REF - XEBEC-HR/HB				

GRINDING



- STEP 1** Insert the tool whilst not in motion
- STEP 2** Rotate the tool past the cross-hole
- STEP 3** Work the brush back and forth while rotating
- STEP 4** Pull the tool out whilst not in motion



## XEBEC CROSS HOLE DEBURRING BRUSHES

Using the centrifugal force generated by rotation, the brush tip deburrs and creates a finished edge.

Can be used in rotary tools as well as mounted in CNC machines capable of 8000 min-1 upwards.

Use at 7,000-12,000 min-1

**Sold Individually**

XEBEC BRUSH - CROSSHOLE							
Grade	Target Dia. Primary Hole	Length	Brush Dia.	Shaft Dia.	Shank Dia.		ORDER REF
RED A12	3.5~5 mm	120mm	1.5 mm	2.5mm	3mm	✓	CH-A12-1.5M
	5~8 mm		3 mm	4mm	3mm	✓	CH-A12-3M
	8~10 mm		5mm	6mm	6mm	✓	CH-A12-5M
	10~20 mm		7mm	8mm	6mm	✓	CH-A12-7M
	5~8 mm	170mm	3mm	4mm	4mm	✓	CH-A12-3L
	8~10 mm		5mm	6mm	6mm	✓	CH-A12-5L
	10~20 mm		7mm	8mm	6mm	✓	CH-A12-7L
Grade	Target Dia. Primary Hole	Length	Brush Dia.	Shaft Dia.	Shank Dia.		ORDER REF
BLUE A33	5~8 mm	130mm	3mm	4mm	3mm	✓	CH-A33-3M
	8~10 mm		5mm	6mm	6mm	✓	CH-A33-5M
	10~14 mm		7mm	8mm	6mm	✓	CH-A33-7M
	14~20 mm		11mm	12mm	12mm	✓	CH-A33-11M
	5~8 mm	180mm	3mm	4mm	4mm	✓	CH-A33-3L
	8~10 mm		5mm	6mm	6mm	✓	CH-A33-5L
	10~14 mm		7mm	8mm	8mm	✓	CH-A33-7L
	14~20 mm		11mm	12mm	12mm	✓	CH-A33-11L
ORDER REF - XEBEC-CH-.....							

## ABRASIVE SPIRABANDS

Resin Bond Aluminium Oxide Cloth, spiral wound with interlinking cloth to create a perfectly smooth running condition.

**SPIRABANDS - Sold Per 100**

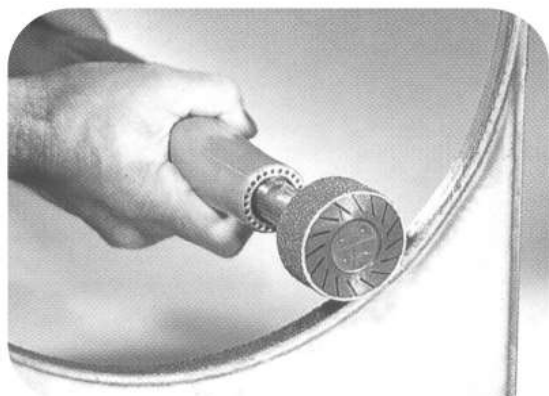
### Grit Types Available:

Aluminium Oxide  
Blue Zirconia

### Grits Available:

**50, 80, 150g**

(Other grits available on application)



### SPIRABAND HOLDERS

Either on a 6mm or 8mm spindle.  
Select a holder to fit the bands used.

**Sold Each**

**\*NEW\***



### TRIZACT BANDS

**A16 & A6 7 x 13mm**

**Sold Per 10**

Also Available

25 x 25, 38 x 25, 50 x 30, 51 x 25  
in A16, A30, A45

### NEW DIAMOND GRADES

D20 TO D250 - 15 X 30 + 22X20

Please Ask For Details

SPIRABANDS		
REF	Dia x Length (mm)	
Aluminium Oxide		
SP1010	10 x 10	✓
SP1020	10 x 20	✓
SP1310	13 x 10	✓
SP1325	13 x 25	✓
SP1510	15 x 10	✓
SP1530	15 x 30	✓
SP1925	19 x 25	✓
SP2220	22 x 20	✓
SP2525	25 x 25	✓
SP3020	30 x 20	✓
SP3030	30 x 30	✓
SP3825	38 x 25	✓
SP4530	45 x 30	✓
SP5125	51 x 25	✓
SP6030	60 x 30	✓
SP7530	75 x 30	✓
SP10040	100 x 40	✓
ORDER REF - MSP(REF No)-(GRIT)		

SPIRABAND HOLDERS				
REF	Dia x Length (mm)	Shank	Max. RPM	
RH0713	7 x 13	1/8"	38,000	✓
AJCM7F	7 x 13	3mm	~	✓
RH1010	10 x 10	6mm	38,000	✓
RH1020	10 x 20		38,000	✓
RH1310	13 x 10		30,000	✓
RH1325	13 x 25		30,000	✓
RH1510	15 x 10		26,000	✓
RH1530	15 x 30		26,000	✓
RH1925	19 x 25		20,000	✓
RH2220	22 x 20		17,000	✓
RH2525	25 x 25		15,000	✓
RH3020	30 x 20		13,000	✓
RH3030	30 x 30		13,000	✓
RH3825	38 x 25		10,000	✓
RH4530	45 x 30		8,500	✓
RH5125	51 x 25		7,500	✓
RH6030	60 x 30	8mm	6,500	✓
RH7530	75 x 30		5,000	✓
RH10040	100 x 40		4,000	✓
ORDER REF - MRH(REF No)				

## ABRASIVE JIFFY CAPS

JIFFY CAPS are a coated abrasive product, manufactured without seams and are mounted on a suitably-shaped rubber mandrel. The caps are firmly held and can be easily changed. The rubber JIFFY CAP system provides a more flexible fine grinding head than conventional Bonded Mounted Points.

### Recommended Max Speeds:

5mm dia.	:	45,000 rpm
7mm dia.	:	32,000 rpm
10mm dia.	:	22,000 rpm
13mm dia.	:	17,000 rpm
16mm dia.	:	14,000 rpm

## GRITS AVAILABLE

### Brown

Aluminium oxide (good on steels) 80g Coarse, 150g Medium, 320g Fine

### Green

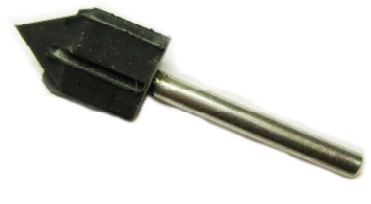
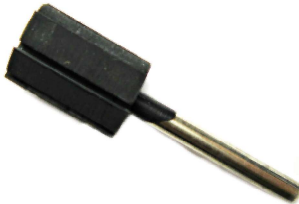
Coolant filled corundum green (good for heat resistant steels) - generally longer life

60g Coarse, 80g Medium, 150g Fine  
(Please ask for prices for green caps)

### Mandrels available on 3mm or 1/8" spindles

When ordering please state Ref, Grit, Colour, (Caps) and Shank Diameter (Mandrels)

GRINDING



### FLAT MANDRELS

ORDER REF.	Size (mm)	
AJCM5F	5 X 10	✓
AJCM7F	7 X 12	✓
AJCM10F	10 X 15	✓
AJCM13F	13 X 19	✓
AJCM16F	16 X 26	✓

### ROUND MANDRELS

ORDER REF.	Size (mm)	
AJCM5R	5 X 11	✓
AJCM7R	7 X 13	✓
AJCM10R	10 X 15	✓
AJCM13R	13 X 19	✓
AJCM16R	16 X 26	✓

### CONE MANDRELS

ORDER REF.	Size (mm)	
AJCM5C	5 X 11	✓
AJCM7C	7 X 13	✓
AJCM10C	10 X 15	✓
AJCM13C	13 X 19	✓
AJCM16C	16 X 26	✓



## ABRASIVE CAPS PER 100

### FLAT CAPS

ORDER REF.	Size (mm)	Brown
AJC5F	5 X 10	✓
AJC7F	7 X 12	✓
AJC10F	10 X 15	✓
AJC13F	13 X 19	✓
AJC16F	16 X 26	✓

### ROUND CAPS

ORDER REF.	Size (mm)	Brown
AJC5R	5 X 11	✓
AJC7R	7 X 13	✓
AJC10R	10 X 15	✓
AJC13R	13 X 19	✓
AJC16R	16 X 26	✓

### CONE CAPS

ORDER REF.	Size (mm)	Brown
AJC5C	5 X 11	✓
AJC7C	7 X 13	✓
AJC10C	10 X 15	✓
AJC13C	13 X 19	✓
AJC16C	16 X 26	✓

### MOUNTED STANDARD ABRASIVE FLAP WHEELS

Abrasive flap wheels mounted on either a 3mm or 6mm spindle.

- Prices shown for Aluminium Oxide grit.
- Ceramic, Diamond, Trizact and Zirconia also available

**Sold in Packs of 10**



### GRIT SIZES AVAILABLE AS STANDARD

**40 - 60 - 80 - 120**

Other grits available  
100 - 150 - 180 - 240 - 320



### TRIZACT FLAP WHEELS

**30 x 30 - 6mm**  
**50 x 30 - 6mm**

Both in grades for super finishing on  
**stainless and tool steels.**

A16 equivalent to 1200 grit  
A30 equivalent to 600 grit  
A45 equivalent to 400 grit  
Ref: MFWT SIZE + GRIT

MTD ABRASIVE FLAP WHEELS				
PART NO.	Dia x Length	Shank Dia.	Max. RPM	
ALUMINIUM OXIDE				
MTD MINI FLAP WHEELS				
MFW1010	10 x 10	3mm	40,000	✓
MFW1515	15 x 15	3mm	40,000	✓
MTD STANDARD FLAP WHEELS				
MFW2005	20 x 5	3mm	30,000	✓
MFW2010	20 x 10	3mm	30,000	✓
FW2210	22 x 10	6	25,000	✓
FW2215	22 x 15	6	25,000	✓
FW2220	22 x 20	6	25,000	✓
FW2505	25 x 5	3~6	25,000	✓
FW2510	25 x 10	3~6	25,000	✓
FW2515	25 x 15	3~6	25,000	✓
FW2520	25 x 20	3~6	25,000	✓
FW2525	25 x 25	3~6	25,000	✓
FW3005	30 x 5	3~6	22,000	✓
FW3010	30 x 10	3~6	22,000	✓
FW3015	30 x 15	3~6	22,000	✓
FW3020	30 x 20	3~6	22,000	✓
FW3025	30 x 25	3~6	22,000	✓
FW4010	40 x 10	6	16,000	✓
FW4015	40 x 15	6	16,000	✓
FW4020	40 x 20	6	16,000	✓
FW4025	40 x 25	6	16,000	✓
FW4030	40 x 30	6	16,000	✓
FW5010	50 x 10	6	13,000	✓
FW5020	50 x 20	6	13,000	✓
FW5025	50 x 25	6	13,000	✓
FW5030	50 x 30	6	13,000	✓
FW5040	50 x 40	6	13,000	✓
FW6015	60 x 15	6	11,000	✓
FW6020	60 x 20	6	11,000	✓
FW6025	60 x 25	6	11,000	✓
FW6040	60 x 40	6	11,000	✓
FW6050	60 x 50	6	11,000	✓
FW8015	80 x 15	6	8,000	✓
FW8030	80 x 30	6	8,000	✓
FW8040	80 x 40	6	8,000	✓
FW8050	80 x 50	6	8,000	✓
ORDER REF - M(FW....)-(SHANK)-(GRIT)				



## STRAIGHT ABRASIVE CARTRIDGE ROLLS

Ideal for finishing operations on inside diameters, dead-end holes and lapping operation. Their self-renewing features of wearing through one layer of abrasive to uncover the layer beneath, makes them an excellent tool for blending where high finishes are required.

**Sold in Packs of 100**



STRAIGHT CARTRIDGE ROLLS					
REF	Dia x Length	GRITS	MANDREL	Max.RPM	
MCR1	3 x 19	80 / 120	CRM1	22,000	✓
MCR2	4.5 x 19		CRM2	22,000	✓
MCR3	6 x 19		CRM3	22,000	✓
MCR4	6 x 25		CRM4	22,000	✓
MCR5	9.5 x 25		CRM4	22,000	✓
MCR6	9.5 x 38		CRM5	22,000	✓
MCR7	12 x 25	60 / 120	CRM4	22,000	✓
MCR8	12 x 38		CRM5	22,000	✓
MCR9	19 x 25		CRM6	18,000	✓
MCR10	19 x 38		CRM7	18,000	✓
MCR11	25 x 38		CRM7	10,000	✓
ORDER REF - MCR(No)-(GRIT)					

## TAPERED ABRASIVE CARTRIDGE ROLLS

Useful on channels, fillets and irregular concave contours. When the roll is held at a 45 degree angle to the work, it can reach into angles and corner. When the angle is reduced, greater abrasive surface is presented and faster cutting action results.

**Sold in Packs of 100**

TAPERED CARTRIDGE ROLLS					
REF	Dia.x Length	GRITS	MANDREL	Max.RPM	
MCRT1	9.5 x 25	60 / 120	CRM4	22,000	✓
MCRT2	12 x 25		CRM4	22,000	✓
MCRT3	12 x 38		CRM5	22,000	✓
MCRT4	19 x 25		CRM4	18,000	✓
MCRT5	19 x 38		CRM5	18,000	✓
MCRT6	25 x 38		CRM5	10,000	✓
ORDER REF - MCRT(No)-(GRIT)					

## CARTRIDGE ROLL HOLDERS

To suit cartridge rolls, hardened steel mandrels.

**Sold Individually**



- A) Pilot Diameter
- B) Pilot Length
- C) Shank Diameter
- D) Shank Length

CARTRIDGE ROLL MANDRELS					
REF	PILOT	PILOT	SHANK	SHANK	
	DIAMETER	LENGTH	DIAMETER	LENGTH	
CRM1	2	25	1/8''	25mm	✓
CRM2	2.4	25			✓
CRM3	3.2	12			✓
CRM4	3.2	19			✓
CRM5	3.2	25			✓
CRM6	4.8	19			✓
CRM7	4.8	25			✓
ORDER REF - MD(No)					

## DIAMOND-COATED CLOTH DISCS

The tool interfacing consists of a flexible terylene resilient material, through which it is electroplated with nickel micro-pellets containing diamond abrasives. Diamond is the hardest abrasive available:

- It removes stock fast and retains its speed of cutting throughout its working life
- The material is cool running.
- To obtain maximum lifespan, use with wet lubrication.

NOTE - Only available with self-adhesive backing.

### Sold in Packs of 10

Diamond strips also available please enquire.



DIAMOND GRADES		
Colour	Grit	Micron Size
Green	60/80	250
Black	120	125
Red	200	74
Yellow	400	30~40
White	800	15~30
Blue	1500	6~12

DIAMOND COATED CLOTH DISCS						
Diameter	12mm	20mm	25mm	30mm	50mm	75mm
Green	✓	✓	✓	✓	✓	✓
Black	✓	✓	✓	✓	✓	✓
Red	✓	✓	✓	✓	✓	✓
Yellow	✓	✓	✓	✓	✓	✓
White	✓	✓	✓	✓	✓	✓
Blue	✓	✓	✓	✓	✓	✓
ORDER REF - SADD(SIZE)-(GRADE)						

GRINDING

## MICRO-MESH DISCS

### Micro-Mesh DISCS

Discs are available in MX, Regular, AO and Diamond, both self-adhesive and Velcro backed. Please contact us for Diamond grade.

We stock the most popular diameters (as below). However, discs can be produced in any diameter from 10" to 3/8".

We can produce with or without extraction holes, an 8+1 set up is most popular but we can also make a bespoke hole pattern. Please contact for more details.

Micro-Mesh REGULAR	Micro-Mesh MX	Micro-Mesh ALUMINUM OXIDE	FEPA OR EURO	MICRON
		300 AO	P180	80
	60 MX		P240	60
	80 MX		P360	45
	100 MX	600 AO		
	120 MX		P400	42
	150 MX	800 AO		
1500 R	180 MX	1500 AO		30
1800 R	240 MX	1800 AO		15
2400 R	320 MX	2400 AO		
3200 R	360 MX	3200 AO		
3600 R	400 MX	3600 AO		8
4000 R	600 MX	4000 AO		5
6000 R	800 MX	6000 AO		4
8000 R	1200 MX	8000 AO		3
12000 R		12000 AO		1



DISCS ON VELCRO OR SELF ADHISIVE BACKING				
TYPE	3"	5"	6"	8"
AO Kit 7 grades	✓	✓	✓	✓
REGULAR kit 9 grades	✓	✓	✓	✓
MX kit 13 grades	✓	✓	✓	✓
SINGLE DISC ANY GRADE	✓	✓	✓	✓
ORDER REF - MIC-VELCRO				

## POLYCARBONATE RECTIFICATION KIT

- 1 - 5" No Hole Loop Back Disc, 2400 Micro-Mesh
- 1 - 5" No Hole Loop Back Disc, 3600 Micro-Mesh
- 1 - 5" Black Lambswool TufBuf Polishing Pad
- 1 - 5" White Sponge Polishing Pad
- 1 - 5" Hook face extra soft back-up pad with cordless drill shank
- 1 - 8 ounce Bottle Micro-Gloss #5 Liquid Abrasive
- 1 - 8 ounce Bottle Micro-Gloss Liquid Abrasive
- 1 - 8 ounce Bottle Final Finish
- 2 - Polishing Cloth



### POLYCARBONATE RECTIFICATION KIT

CODE

**3KPOLY**

✓

ORDER REF - MIC-KIT-POLYCARBONATE

GRINDING

## CLEARSEAS KIT

Remove scratches, scuffs and haze for up to 100 square feet of acrylic. Use on acrylic hatches, portholes, windshields and doors. This kit is designed to be used with a cordless drill.

Kit contents include:

- 2 - 5" Loop Discs, Micro-Mesh 1500
- 2 - 5" Loop Discs, Micro-Mesh 2400
- 2 - 5" Loop Discs, Micro-Mesh 3600
- 1 - 8 oz. Micro-Gloss liquid abrasive
- 1 - 8 oz. Anti - Static Creme
- 1 - 5" Hook face, soft backup pad w/drill mandrel
- 1 - 5" Black natural lambswool pad
- 1 - 5" Micro-Surface soft foam polishing pad
- 2 - Micro-Surface cotton flannel cloths
- 1 - Instructions



### CLEARSEAS ACRYLIC RESTORAL KIT

CODE

**3KCLRA**

✓

ORDER REF - MIC-KIT-3KCLRA

## LEADING EDGE KITS

For unpainted, aluminium surface. Perfect for leading edges, vertical and horizontal stabilizers, engine nose cowl and thrust reversers. Removes oxidation, corrosion, orange peel, and surface scratches. Provides a uniform high lustre gloss.



### 3" LEADING EDGE KIT

CODE

**3KAOLE3**

✓

ORDER REF - MIC-KIT-3KAOLE3

### 5" LEADING EDGE KIT

CODE

**3KAOLE**

✓

ORDER REF - MIC-KIT-3KAOLE

## DRILL HEADLIGHT RESTORAL KIT

- 6 wet/dry sandpaper 3" loop discs
- 2 - 1500 Micro-Mesh 3" loop discs
- 2 - 2400 Micro-Mesh 3" loop discs
- 2 - 3600 Micro-Mesh 3" loop discs
- 1 - 3" TufBuf lambswool buffing pad
- 1 - 4 oz. bottle Micro-Gloss liquid abrasive
- 1 - Instructions



### DRILL HEADLIGHT RESTORAL KIT

CODE

**3KHDGTM**

✓

ORDER REF - MIC-KIT-HEADLIGHT-3KHDGTM

## LIGHT DAMAGE REMOVAL KIT

This kit removes minor scratches and scuffs. Restores up to 100 square feet of acrylic to optical clarity. Use with a 5" random orbital sander. Also very good for plexiglass which can be tricky to polish.

Kit contents include:

- 2 - 5" Loop Discs, Micro-Mesh 1500
- 2 - 5" Loop Discs, Micro-Mesh 2400
- 2 - 5" Loop Discs, Micro-Mesh 3600
- 1 - 8 oz. Micro-Gloss liquid abrasive
- 1 - 8 oz. Anti - Static Creme
- 1 - 5" Hook face, soft backup pad
- 1 - 5" Natural lambswool pad
- 1 - 5" Micro-Surface soft foam polishing pad
- 2 - Micro-Surface cotton flannel cloths
- 1 - Instructions

### Tools Required

- Random orbital sander.
- Angle Polisher, (Rated at approx. 2500 RPM), with 4.75-inch diameter.
- Hook Back-Up pad.
- Compressed Air - 120 pounds per square inch.
- Spray bottle - approximately 10-ounce capacity.

## MAINTENANCE KITS

These kits remove very minor surface scratches and haze in acrylics and plastics. Restores up to 100 square feet of acrylic to optical clarity.



## TUF-BUF LAMBSWOOL PADS

Use in conjunction with liquid abrasive compounds. Premium shearing lambswool pads are durable and soft enough to leave less haze and swirl than felt or mops. For an even and consistent finish on plastics, clearcoat and metals.

### BACKING PADS

M14 Backing pads to suit the lambswool pads. Ideal for angle grinders.



ORBITAL SANDER DAMAGE REMOVAL KIT	
CODE	
3KHDK	✓
ORDER REF - MIC-KIT-3KHDK	

CORDLESS DRILL DAMAGE REMOVAL KIT	
CODE	
3KLDK	✓
ORDER REF - MIC-KIT-3KLDK	



GRINDING

MAINTENANCE KIT - CORDLESS DRILL	
CODE	
3KMRKD	✓
ORDER REF - MIC-KIT-3KMRKD	

MAINTENANCE KIT - ROTARY BUFFER	
CODE	
3KMRK	✓
ORDER REF - MIC-KIT-3KMRK	

TUF-BUF LAMBSWOOL PADS	
Size	
3" Dia. X 1" Nap	✓
5" Dia. X 3/4" Nap	✓
6" Dia. X 1" Nap	✓
6" Dia. X 3/4" Nap	✓
ORDER REF - MIC-TUF-BUF	



## 115MM SURFACE CONDITIONING DISCS

Excellent for surface preparation on Stainless Steel and Aluminium.  
Prepare metal prior to polishing.

- Velcro backed
- To suit the M14 backing pad with raised centre
- The centre hole in the discs centralises the pad and stops it moving in use.



### 115MM DIA VELCRO DISC HOLDER

**Holder with M14 Internal Thread  
& Raised Centre**



**ORDER REF - BACKINGPAD-115-M14-VELCRO/  
SCM**

### SURFACE CONDITIONING DISCS

**115mm surface conditioning discs  
with 20mm c/h - EACH**



**ORDER REF - SCD-115**

### Sold Individually

Velcro-backed discs for surface finishing, turbine blade smoothing, weld blending, paint removal, burr removal. Fibre-backed discs are used when extra aggression is required on the work piece.

GRINDING

## SMALL SURFACE CONDITIONING DISCS

Excellent for surface preparation on Stainless Steel and Aluminium

- Velcro backed (not scrim backed)
- Use with Velcro disc holders of the appropriate size



### GRADES

**Extra Coarse-Black**  
**Coarse-Brown**  
**Medium-Red**  
**Fine-Blue**



### VELCRO SURFACE CONDITIONING DISCS

Diameter (mm)	Pack Quantity	Grade	
20mm	Per 50	All Grades	✓
30mm	Per 50		✓
50mm	Per 20		✓
75mm	Per 20		✓
150mm	Per each		✓
115mm	Per each		✓

**ORDER REF - VELCRO(SIZE)**

## TWIST-N-LOK DISCS

Alternative to self-adhesive discs  
Resin Bond Aluminium Oxide  
The plastic backing gives more rigidity than the quick-change discs offer, keeping them flatter.

**Sold in Packs  
of 100**



### TWIST-N-LOK DISCS

REF	DIA (mm)	GRITS	MAX. RPM	
TL0025	25	60 80 120 180	30,000	✓
TL0038	38		20,000	✓
TL0050	50	36 50		✓
TL0075	75	60 80 120 180		✓

**ORDER REF - MTL.....**

### TWIST-N-LOK HOLDERS

REF	Size	
SL100	Holder (6mm shank) fits 25/38mm Discs	✓
SL101	Holder (6mm shank) fits 50/75mm Discs	✓

**ORDER REF - MSL.....**

**Roloc fitting - limited availability in Unitized,  
Aluminium Oxide and Surface Conditioning  
materials**



## QUICK CHANGE SURFACE CONDITIONING DISCS

Ideal where an efficient and cost-effective method is required for cleaning, finishing, deburring or surface preparation of a metal, composite or plastic surface. They can be used in conjunction with coated abrasives or as a one-step surface conditioning product.

**Sold in Packs of 100**

## BUFF & BLEND QUICK-CHANGE DISCS

Fast and effective removal of light oxidation, blending minor surface imperfections and the preparation of surfaces prior to painting and general equipment clean-up.

Made from nylon abrasive type material.

**Sold in Packs of 100**

**38MM & 75MM ALSO**

**AVAILABLE - PLEASE ENQUIRE**



## ALUMINIUM OXIDE QUICK-CHANGE DISCS

This style of disc is designed to provide long life and quick stock removal on most general purpose grinding applications.

**Sold in Packs of 100**



## QUICK-CHANGE DISC HOLDERS

To suit all quick-change discs, select the appropriate size. **Sold Individually**



## QUICK CHANGE - SURFACE CONDITIONING DISCS

Pack of 100	DIAMETER				
	19mm	25mm	38mm	50mm	75mm
Coarse					
Medium	✓	✓	✓	✓	✓
Very Fine					
Extra Coarse	X	X	X	✓	X

ORDER REF - QCDRECON

## QUICK CHANGE - BUFF & BLEND DISCS

Pack of 100	DIAMETER	
	25mm	50mm
HDSR - Medium	✓	✓
Fine or Very Fine	✓	✓

ORDER REF - QCDBUFF

GRINDING

## QUICK CHANGE A/O DISCS

Pack of 100	DIAMETER mm				
	19mm	25mm	38mm	50mm	75mm
GRIT					
24	✓	✓	✓	✓	✓
36	✓	✓	✓	✓	✓
40	✓	✓	✓	✓	✓
50	✓	✓	✓	✓	✓
60	✓	✓	✓	✓	✓
80	✓	✓	✓	✓	✓
100, 120, 150, 180, 240, 320	✓	✓	✓	✓	✓

Now also available in Ceramic. POA

ORDER REF - QCD

## UNITIZED QUICK CHANGE DISCS

Pack of 10		DIAMETER mm	
GRIT		25mm	50mm
2SF SOFT/FINE		✓	✓
6SF MEDIUM		✓	✓
8AC COARSE		✓	✓

ORDER REF - QCDUNIT

## QUICK CHANGE HOLDERS

For use with all Quick-Change Discs - shafts available in 6mm or 1/4" diameter.

19mm & 25mm available on 3mm	19mm	25mm	38mm	50mm	75mm
	✓	✓	✓	✓	✓

ORDER REF - QCMANDRELL

## SELF-ADHESIVE & VELCRO BACKED DISCS

Moleroda offers a range of abrasive cloths with a choice of either Velcro or self-adhesive backing -  
**Sold in Packs of 50**

ALUMINIUM OXIDE RINGS		
(for flexible holders)		
60, 80, 120, 180, 240, 320, 400	20 x 6 CH	✓
	30 x 10 CH	✓
	52 x 25 CH	✓
ORDER REF - SAR		

ALUMINIUM OXIDE DISCS			
Available Grits	Diameter	SELF ADHESIVE	VELCRO
60, 80, 120, 180, 240, 320, 400	10mm	✓	✓
	12mm	✓	✓
	20mm	✓	✓
	25mm	✓	✓
	30mm	✓	✓
	50mm	✓	✓
	75mm	✓	✓
ORDER REF -		SAD	VELCRO

GRINDING

ALUMINIUM  
OXIDE



## ZIRCONIA (BLUE)

Coolant filled abrasive that gives a sharper cut  
**Please contact us for details**



SILICON CARBIDE RINGS		
(for flexible holders)		
60, 80, 100, 120, 150, 180, 240, 320, 400, 500, 600, 800, 1000, 1200, 1500, 2000, 2500, 3000, 5000, 7000	20 x 6 CH	✓
	30 x 10 CH	✓
	52 x 25 CH	✓
ORDER REF - SAR		

SILICON CARBIDE DISCS			
Available Grits	Diameter	SELF ADHESIVE	VELCRO
60, 80, 100, 120, 150, 180, 240, 320, 400, 500, 600, 800, 1000, 1200, 1500, 2000, 2500, 3000, 5000, 7000	10mm	✓	✓
	12mm	✓	✓
	20mm	✓	✓
	25mm	✓	✓
	30mm	✓	✓
	50mm	✓	✓
	75mm	✓	✓
ORDER REF -		SAD	VELCRO



SILICON CARBIDE  
(WET & DRY)



FOAM BACKED ABRASIVE  
(VELCRO ONLY)



FOAM BACK ABRASIVE DISCS			
Available Grits	Diameter	Pack Size	
VELCRO			
60, 120, 220, 400, 600	20mm	50 Per Pack	✓
	25mm		✓
	30mm		✓
	50mm		✓
	75mm	10 Per Pack	✓
	100mm		✓
	150mm		✓
ORDER REF - VFB-(DIA)-(GRIT)			



## 52mm SELF ADHESIVE RING HOLDERS

**FLEXIBLE** - Holder for surface work

**RIGID** - Holder for slots and ribs

**Sold Individually**

**Rings can be stuck on both sides**

**Flexible**

1mm thick

**Rigid**

2mm thick



## VELCRO ADHESIVE DISC HOLDERS

Available with or without foam

**Sold Each**



VELCRO DISC HOLDERS			
Diameter	Spindle	Type	
18mm	3mm	Flexible	✓
30mm	3mm		✓
30mm	6mm		✓
25mm	3mm	No Foam	✓
	3mm	Foam Face	✓
50mm	6mm	No Foam	✓
	6mm	Foam Face	✓
	M14	Medium	✓
75mm	M14	No Foam	✓
	6mm	Foam Face	✓
	6mm	Medium	✓

ORDER REF - VELCROHOLDER

VELCRO DISC HOLDERS OVER 100MM			
Diameter	Spindle	Type	
100mm	M14	Medium	✓
115mm	M14	With Centre Hole for Surface Conditioning Discs	✓
115mm	M14	Medium	✓
150mm	M14	Medium	✓
200mm	M14	Medium	✓

ORDER REF - BACKINGPAD

## SELF ADHESIVE DISC HOLDERS

Flexible rubber/plastic or foam faced

**Sold Individually**



SELF ADHESIVE DISC HOLDERS			
Diameter	Spindle	Flexible Rubber/Plastic	Foam-Faced Rubber
10mm	3mm or 1/8"	✓	✓
12mm	1/8"	✓	✓
20mm	3mm or 1/8"	✓	✓
25mm	3mm or 1/8"	✓	✓
30mm	3mm or 1/8"	✓	✓
50mm	1/4"	✓	✓
75mm	1/4"	✓	✓
	6mm	✓	✓

ORDER REF - SADH

SELF ADHESIVE DISC HOLDERS OVER 100MM			
Diameter	Spindle	Flexible Rubber/Plastic	Foam-Faced Rubber
100mm	M14	✓	x
115mm		✓	
150mm		✓	
200mm		✓	

ORDER REF - BACKINGPAD

GRINDING





RODA is a superior range of polishing and deburring products, for precision finishing, manufactured in the UK. RODA products consistently over-deliver on performance and efficiency.

**RODA Point:**  
If you have a burr, all you need is Roda Point!

Developed with experienced deburring professionals, specifically constructed to provide high performance deburring suitable for use on all materials. Used in F1, Aerospace, Marine and Medical.



Offering a selection of proven mounted deburring tools made from Unitized, Vortex, 3SF or MX materials. The RODA Point bonded technology has produced deburring products for aluminums, steels and stainless to run smoother, with less bounce. Readily available in industries most popular shapes and sizes, all on a 3mm spindle. This is the go-to range for quality and availability.

#### UNITIZED, VORTEX & NORTON WHEELS

SIZE (mm)	UNITIZED 80G, 120G, 240g	VORTEX	NORTON 3SF
2.35mm Shank - Pack of 10			
22 x 3	✓	✓	✓
22 x 6	✓	✓	✓
25 x 3	✓	✓	✓
25 x 6	✓	✓	✓
ORDER REF. - VSM-(DIA)X(THICKNESS) UNIT(GRADE)			



#### UNITIZED, VORTEX & NORTON POINTS

SIZE (mm)	UNITIZED 80G & 120G	VORTEX	NORTON 3SF
2.35mm Shank - Pack of 10			
6 x 12	✓	✓	✓
10 x 12	✓	✓	✓
6mm Shank - Pack of 10			
12 X 25	✓	✓	✓
16 x 25	✓	✓	✓
20 x 10	✓	✓	✓
20 x 25	✓	✓	✓
25 x 25	✓	✓	✓
ORDER REF - UNIT-W-	(SIZE)-(GRADE)	(SIZE)-3M-VORTEX	(SIZE)-3SF

#### MX MOUNTED POINTS

SHAPE	SIZE (mm)	Max. Safe	80g/120g/180g	320g
		Speed	pack of 10	pack of 10
1/8" or 3mm Shank				
W145	3 x 10	105,000 rpm	✓	✓
W154	5 x 13	70,000 rpm	✓	✓
W163	6 x 12	60,000 rpm	✓	✓
W176	10 x 12	45,000 rpm	✓	✓
W177	10 x 20	34,000 rpm	✓	✓
W187	12 x 25	34,000 rpm	✓	✓
When ordering, specify grit required (80,120,180, or 320) and shank diameter				
MXCW - SHAPE, SHANK, GRIT, MATERIAL				

## MOUNTED UNITIZED WHEELS

Unitized material is made from a baked and compressed nylon abrasive. Excellent on all metals - ferrous and non-ferrous.

**Aluminium** - Good for machine line removal, light and heavy marks and burrs. They leave a good finish with no pick up.

**Stainless Steel** - They clean up light marks and stains in one hit leaving a good, bright finish.

### UNITIZED GRADES

**COARSE (Blue) - 80g**

**MEDIUM (Red) - 120g**

**3SF FINE (Black) - 240g**

## MOUNTED MX POLISHING POINTS

MX material is rubber bonded cotton fibre impregnated with aluminium oxide grain. MX points give a finer, shinier finish than conventional abrasive points with an equal grit. They have good results on more difficult steels. They do not clog and offer a long working life.

**Sold in Packs of 10**



### (HARD) MC-FLEX

Similar to GFX type, except with a harder bonding for longer life. Best for edge work, less bounce & smoother finish than pink points, burrs & diamond points

## SPEEDS & FEEDS



Materials	3SF	GFX	RED	BLUE VORTEX	MC FLEX
<b>Soft</b>	●	●			
<b>Aluminium</b>	●	●	●		
<b>Mild Steel</b>		●	●	●	
<b>Stainless Steel</b>			●	●	●
<b>Heat Treated</b>				●	●
<b>Exotics</b>				●	●

## NORTON UNITIZED

Softer than our standard unitized points. Ideal for surface improvement. 3SF contains fine silicon carbide grit equivalent to a grade between 180g & 240g. Perfect for fine grinding or work on softer metals.

## VORTEX

High-performance engineered grain similar to ceramic provides aggressive, fast, stock removal, reduced cycle times and increased part quality. Suitable for hard surfaces, titanium Inconel and other exotic metals. All points can be shaped to bullnose or conical

**Points & Wheels Sold in Packs of 10**



Other sizes and grits available on request. Some 2.35mm shank points available.

### (SOFT) GFX - Most Popular

GFX is latex-bonded cotton fibre, recommended for blending and polishing as well as slight stock removal. Excellent for runners, aluminium and stainless steel. Flexible bond.

Diameter		RPM (K)	MS (Mtr/sec)
<b>6</b>	+	30	9.42
	-	6	1.88
<b>8</b>	+	28	11.72
	-	6	2.51
<b>10</b>	+	28	14.65
	-	6	3.14
<b>12</b>	+	28	17.58
	-	4	2.51
<b>14</b>	+	26	19.05
	-	4	2.93
<b>16</b>	+	24	20.10
	-	4	3.35



RODA is a superior range of polishing and deburring products, for precision finishing, manufactured in the UK. RODA products consistently over-deliver on performance and efficiency.

# RODA NYWHEEL



GRINDING

## RODA NyWheel:

The only Surface Finishing and Deburring tool you need to complete your part!

Developed alongside trusted engineers to specifically formulate high grade nylon products with finishing properties. Abrasive nylon offers abrasive cleaning and satin finishing on a full range of materials. They quickly and efficiently remove and blend machine lines, work well on threads and down holes. The material gives a consistent finish for a smart, clean result.

RODA NyWheels				
Material	22mm	25mm	30mm	40mm
2.35mm Shank x 2 lap (3 lap also available)				
ALL OTHER GRADES	✓	✓	X	X
FG1000 - GOLD	✓	✓	X	X
ORDER REF - VSM-(DIA)X(LAPS)				
Material	22mm	25mm	30mm	40mm
3mm Shank x 3 Lap (2 and 1 lap also available)				
FW0 - WHITE	✓	✓	✓	✓
FG1000 - GOLD	✓	✓	✓	✓
FG600 - GREY	✓	✓	✓	✓
MG400 - GREEN	✓	✓	✓	✓
MR320 - RED	✓	✓	✓	✓
MR180 - RED	✓	✓	✓	✓
CR120 - RED	✓	✓	✓	✓
CB110 - BLACK	✓	✓	✓	✓
CB100 - BROWN	✓	✓	✓	✓
CR80 - RED	✓	✓	✓	✓
ORDER REF - (DIA)X(LAPS)L-3				

Material	Colour	Desc	Grade	Operation	Finish	PLASTICS	PRECIOUS METALS	BRASS	ALUMINIUM	MILD STEEL	STAINLESS STEEL	EXOTICS
F0	White	White	0	Deflash Clean Polish	A non abrasive material offering a clean finish	●						
F1000	Gold	Gold	1000	Clean Polish	This material offers a bright finish on metals	●	●	●	●			
F600	Grey	UFS	600	Deburr Finish	A silicon carbide material offering a machine brush finish		●	●	●		●	
M400	Green	Green	400	Deburr Finish	A medium deburring and finishing material offering a machine brush finish		●	●	●		●	●
M320	Red	MA	320	Deburr Finish	A medium material offering removal of slight machine lines, whilst leaving a satin finish			●	●		●	●
C180	Red	CA	180	Deburr Finish	A coarse material offering removal of slight machine lines, whilst leaving a satin finish			●	●		●	●
C120	Red	HDMA	120	Deburr Finish	A coarse material offering removal of heavier machine lines, whilst leaving a brush finish				●		●	●
C110	Black	BLACK	110	Deburr Finish	A silicon carbide material with great cutting properties to remove deep machine lines and offer a bright finish				●	●	●	●
C100	Brown	BROWN	100	Deburr Finish	A superior coarse material offering graining ability as well as deburring, offering a a bright brush finish on all metals				●	●	●	●
C80	Red	RED	80	Deburr	An extremely coarse grade for deburring / cleaning					●	●	●

GRINDING

## SPEEDS & FEEDS



Diameter		RPM (K)	MS (Mtr/sec)
<b>22</b>	+	28	32.24
	-	10	11.51
<b>25</b>	+	24	31.4
	-	10	13.08
<b>30</b>	+	22	34.54
	-	10	15.7
<b>40</b>	+	22	46.05
	-	8	16.75





## SMALL MOUNTED BUFFING BALLS

Both felt and abrasive nylon buffing balls on 2.35mm and 3mm spindles. With twice as much material as standard felt and nylon wheels they are longer lasting.

Sold in Packs of 10



SMALL MTD BUFFING BALLS							
Per 10							
Material	Shank	6mm	12mm	22mm	25mm	30mm	40mm
All Abrasive Nylon (All Grades)	2.35mm	X	X	✓	✓	X	X
ORDER REF - VSM-(DIA)X6LX3/32-(MATERIAL)							
All Abrasive Nylon (All Grades)	3mm	X	X	X	✓	✓	✓
ORDER REF - (DIA)X6LAP-3MM(MATERIAL)							

## Abrasive Nylon Grades:

**BLACK** (Silicone Carbide), **HDVCA** (Heavy Duty Very Coarse), **HDMA** (Heavy Duty Medium), **CA** (Coarse), **MA** (Medium), **FA** (Fine), **GREEN** (Non-Abrasive), **UFS** (Ultra Fine), **WHITE** (Finest)

## LARGE MOUNTED BUFFING BALLS

The ball shape gives the top washer more coverage allowing you to use the top of the ball as well as the sides without scratching. Twice as much material for a longer lasting product.

- Large diameters on a 6mm re-usable shank.
- The screw mandrel allows laps to be replaced.
- The reverse threaded mandrel won't loosen during use.

Sold Individually



## On a MM506 Reusable Mandrel

### LARGE BUFFING BALL REFILLS

Replacement laps in felt or abrasive nylon make this product extremely economical.

Sold in 20 Laps



LARGE MTD BUFFING BALLS				
Sold Each				
Material	Shank	50mm	75mm	100mm
All Abrasive Nylon Grades	6mm	✓	✓	✓
ORDER REF - BUFFINGBALL-(DIA)-(MATERIAL)				
LARGE BUFFING BALL REFILLS				
Per 20 Laps				
Material	50mm	75mm	100mm	
All Abrasive Nylon Grades	✓	✓	✓	
ORDER REF - BUFFINGBALLREFILL-(DIA)-(MATERIAL)				

## GRIT IMPREGNATED NYLON

- Particularly good for threads.
- Much harder than radial discs.
- Work well for reaching into detail.
- On a 2.35mm shank.

Sold in Packs of 10



GRIT IMPREGNATED NYLON WHEELS			
22mm x 2.35mm Shank			ORDER REF
Medium, Al.Oxide	Softer	✓	VSMAN22AOM-3/32
Medium, Sil.Carbide	More Aggressive	✓	VSMAN22SIC-3/32



ABRASIVE NYLON WHEELS WITH SHANK (LOOSE TYPE)							
ORDER REF	Diameter	Width	Brush	Shank	Grit	Max.RPM	
			Length	Dia.	240 Fine		
GSM-30	75mm	25mm	25mm	6mm	940-666	5000	✓



ABRASIVE NYLON WHEELS WITH SHANK (FIRM TYPE)								
ORDER REF	Diameter	Width	Brush	Shank	Grits		Max. RPM	
			Length	Dia.	120 Medium	240 Fine		
GSW-40	100mm	6mm	25mm	6mm	941-714	~	5000	✓
		10mm	25mm	6mm	~	941-726	5000	✓

GRINDING

## MOUNTED FINISHING WHEELS

Abrasive nylon flap wheels on 6mm

Sold Individually



MOUNTED FINISHING WHEELS				
Ref	Dia x Width	Grades	Max rpm	
	(mm)	Available		
NF0030	30 x 20	VFA FA	16,000	✓
NF0050	50 x 25	VFA FA CA	12,000	✓
NF0063	63 x 32	VFA FA	8,000	✓
NF0075	75 x 45	VFA FA MA-SUPER CUT	8,000	✓
NF0100	100 x 45	VFA FA MA	6,500	✓
ORDER REF - NF(REF No)				

## MOUNTED INTERLEAVED FINISHING WHEELS

Abrasive nylon flap wheels  
Interleaved with abrasive  
cloth on 6mm

Sold Individually



MTD INTERLEAVED FINISHING WHEELS				
Ref	Dia x Width	Grits	Max rpm	
	(mm)	Available		
IF0030	30 x 20	100 150 240	16,000	✓
IF0050	50 x 25	100 150 240	12,000	✓
IF0063	63 x 32	100 150 240	8,000	✓
IF0075	75 x 45	60 100 150 240	8,000	✓
IF0100	100 x 45	60 100 150 240	6,500	✓
ORDER REF - IF(REF No)				

## 3M RADIAL DISCS

3M radial discs are becoming a very popular tool across all industries. Suitable for materials from soft plastics to stainless steel.

- these flexible discs are cool running
- non-loading
- they create a controllable uniform finish
- most importantly they are clean to use
- particularly good for deburring threads
- can be used in CNC machines for automated deburring
- used without compound



Always use a minimum of 3 leaves and a maximum of 6 leaves per mandrel

Simply mount the laps onto the appropriate mandrel facing the correct direction as shown in this image with a minimum of 3 leaves.

### MM503 SCREW TOP MANDREL

For 19mm & 25mm radial discs on either 3mm or 2.35mm

### MM506

#### Mandrel on 6mm

For 50mm & 75mm discs, suitable for air tools, drills, flexible shafts that take 6mm shanks (**with reverse thread**)

**Plastic screw centres** fit 50 & 75mm discs for use with bench polishers with a taper.



	80g Yellow	220g Red	400g Blue	Pumice Pink	6 micron Orange	1 micron L.Green
19mm Discs						
25mm Discs						
	Brown 36g	Green 50g	Yellow 80g	White 120g	Red 220g	Blue 400g

3M RADIAL DISCS				
ORDER REF	Size	Unit of Sale	Mount	
HABRAS-19MM	19mm	Individual Leaves	503-3mm or 2.35mm	✓
HABRAS-25MM	25mm		304D - 3mm	✓
HABRAS-50MM	50mm		Plastic Centre or 506 Mandrel	✓
HABRAS-75MM	75mm			✓

MANDRELS		
ORDER REF	Type	
MM503	503 Mandrel - 3/32" or 3mm	✓
MM304D	304 Mandrel - 3mm or 1/8"	✓
HABRASBLACKSCREWCENTRE	Plastic Screw Centre	✓
MM506	Mandrel 506 (6mm shank)	✓



## CRATEX RUBBERISED ABRASIVES

For light deburring, smoothing, cleaning and polishing

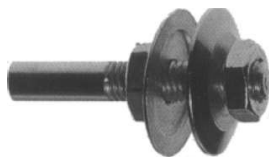
### Basic Applications

- **LIGHT DEBURRING** and smoothing to relieve stress concentrations and to remove visible and microscopic burrs without impacting surrounding areas.
- **CLEANING** and polishing to remove undesirable surface deposits.
- **SMOOTHING** and polishing to improve wearing qualities and to reduce the dangers of progressive fracture and fatigue failure.
- **POLISHING** and smoothing to improve performance, appearance, cleanliness and to lessen the dangers of surface contamination.

## CRATEX WHEEL MANDREL NO.1342

Cratex Wheel Mandrel No.1342 has 1/4" shank and is designed for 1/4" centre hole wheels up to 3" diameter by 1/2" thick or less. MSS is 20,000 rpm and best results are usually obtained at 30% to 80% of MSS. Use light work pressure.

**Sold Individually**



**1342 Mandrel**



**ORDER REF - MM1342C**

## CRATEX KITS

A great selection of grits and shapes to get started.

**Sold Per Kit**



**CRATEX KIT 778**



**ORDER REF - CRATEX-778**



**CRATEX KIT 777**



**ORDER REF - CRATEX-777**

## GRIT TEXTURES

Each Cratex size and shape is made in four standard grit textures or compositions which differ in accordance with the mesh size of the abrasive grain used.

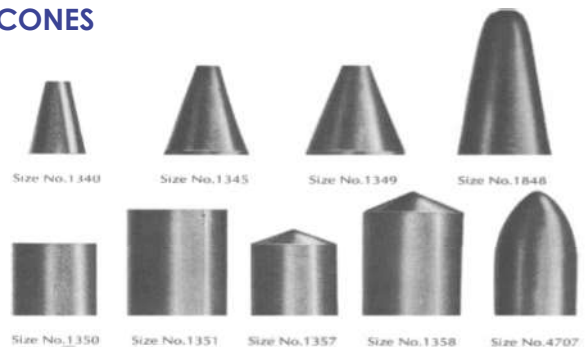
**[C] Coarse** (Green)

**[M] Medium** (Dark Brown)

**[F] Fine** (Reddish Brown)

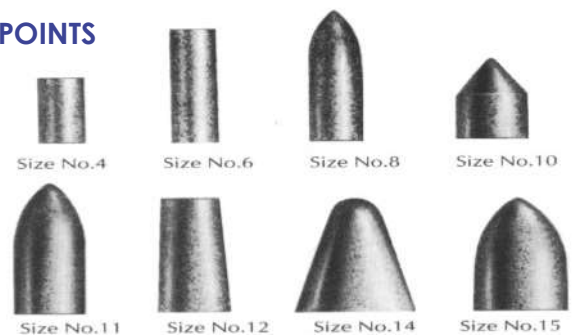
**[XF] Extra Fine** (Grey-Green)

## CONES



**GRINDING**

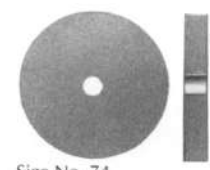
## POINTS



Size No. 2

**SMALL WHEELS  
STRAIGHT EDGE**

**SMALL WHEELS  
TAPERED EDGE**



Size No. 74

## BLOCKS & STICKS



**Please ask for available sizes.**



## MOUNTED RUBBER POINTS

Especially good on non-ferrous metals including aluminium, silver and gold.

- Rubber points are easily shaped
- Clean and simple to use

**Sold in Packs of 10**



We can also supply conical and bullnose rubber points on 3mm and 2.35mm spindles. (Replace W with C or B for the order ref.)

MTD RUBBER POINTS				
SHAPE W - C - B	SIZE (mm)	Max. Safe Operating Speed	80/120/180	80/120/180
			3mm SHANK	2.35mm SHANK
W145	3 x 10	55,000 rpm	✓	X
W154	5 x 13	55,000 rpm	✓	✓
W163	6 x 13	55,000 rpm	✓	✓
W176	10 x 13	45,000 rpm	✓	X
W185	13 x 13	34,000 rpm	✓	X
Specify grit required: 80 (Red), 120 (Blue), 180 (Green)				
ORDER NO			RP-W...	RP-W...-2.35

RUBBER POINT SETS		
KIT 20	10 PIECE SET ON 3MM	✓
KIT 58	10 PIECE SET ON 2.35MM	✓
KIT 53	10 PIECE SET ON 2.35MM (CONICAL)	✓
ORDER NO - POLKIT-(NUMBER)		

## ELASTIC POLISHING POINTS

Elastic polishing points are suited to most materials, hard and soft. Leaving a matt finish, they give excellent cut. Recommended speed 5,000 - 10,000 RPM.

**Sold Individually**



ELASTIC POLISHING POINTS ON 2.35MM				
Tip	Head Dimensions	Grit Size		ORDER REF
Soft Bond	4.5 x 12	Coarse 80g	✓	JOKE-O542901
	4.5 x 12	Medium 150g	✓	JOKE-O542902
	4.5 x 12	Fine 240g	✓	JOKE-O542903
Tip	Head Dimensions	Grit Size		ORDER REF
Hard Bond	3.3 x 7.5	Coarse 80g	✓	JOKE-O542907
	3.3 x 7.5	Medium 150g	✓	JOKE-O542908
	3.3 x 7.5	Fine 240g	✓	JOKE-O542909

## EDENTA TOP STAR WHEELS

14.5mm x 2mm on 2.35mm spindle. Silicon Carbide.

**Brown** is for scratch removal **Green** for polishing. Particularly popular for jewellery finishing. Very effective on gold and silver, also useful for aluminium, brass etc

**Sold Individually**



EDENTA TOPSTAR	
<b>Brown or Green</b>	✓
ORDER NO - EDTOPSTAR	

## EDENTA CERAGLOSS WHEELS

25mm dia. on 2.35mm spindle

**Diamond impregnated** wheels

**Blue** is a medium grade for removing scratches.

**Yellow** is a fine grit for a high gloss finish.

Superior finishing for metals such as Titanium, Platinum and Carbide (including Gravers). Commonly used by stone setters for polishing.

**Sold Individually**



EDENTA CERAGLOSS	
<b>Blue or Yellow</b>	✓
ORDER NO - EDCERAGLOSS	

## SCRATCH-BRUSHING FINISHING WHEELS

Crimped Brass wire – a non tufted type. Constructed to provide an even spread of wire, giving an even surface finish. Wooden-centre to fit parallel shafts or tapered spindles.

**Sold Individually**



BRASS VERTEX WHEELS						
Diameter (mm)	Width (mm)	Rows	Hub Dia. (mm)	Wire Thickness	Wire Type	
100	16	3	40	0.06 mm	Fine	✓
100	16	3	40	0.10 mm	Medium	✓
100	25	5	40	0.06 mm	Fine	✓
100	25	5	40	0.10 mm	Medium	✓
120	16	3	50	0.06 mm	Fine	✓
120	16	3	50	0.10 mm	Medium	✓
120	25	5	40	0.06 mm	Fine	✓
120	25	5	40	0.10 mm	Medium	✓
ORDER REF - WWBRASS						

Nickel Silver also available.

GRINDING

## PENNY WHEELS

49mm metal or plastic centred penny wheels.

**Sold in Packs of 10**

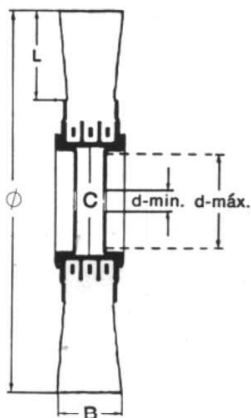


PENNY WHEELS		
Ref.	Hardness	
BW-PW-Brass	Medium	✓
ORDER REF - BW-PW(MATERIAL)		

## WIRE WHEELS

Many other sizes and types of wire wheels and brushes are available.

**Sold Individually**



WIRE WHEELS										
Dimensions (mm)					Max.RPM	Type	STEEL			STAINLESS
B	C	L	d/min	d/max			0.20 STD	0.30 STD	0.50 STD	0.30 INOX
4" Diameter (100mm)										
20	30	24	8	26	6000	3102	✓	✓	✓	✓
28	30	24	8	26	6000	3103	✓	✓	✓	✓
36	30	24	8	26	6000	3104	✓	✓	✓	✓
6" Diameter (150mm)										
18	51	27	8	46	6000	5152	✓	✓	✓	✓
29	51	27	8	46	6000	5153	✓	✓	✓	✓
32	51	27	8	46	6000	5154	✓	✓	✓	✓
8" Diameter (200mm)										
26	80	40	10	75	4500	8202	✓	✓	✓	✓
37	80	40	10	75	4500	8203	✓	✓	✓	✓
45	80	40	10	75	4500	8204	✓	✓	✓	✓
6" Diameter with LEAD CENTRE for taper spindle										
25	Taper	32	X	X	2500	1608C/G	✓	✓	X	X
8" Diameter with LEAD CENTRE for taper spindle										
32	Taper	64	X	X	2200	1608CC	X	✓	X	X
ORDER REF - WW										

DEBURRING WHEELS

Convolute wheels for wood, veneers, plastic and all metals.

Sold Individually



8" WHEELS  
Come with a  
3" centre hole

DEBURRING WHEELS			
WIDTH	DIAMETER		
	4"	6"	8"
	100mm	150mm	200mm
1/2" or 12mm	✓	✓	✓
1" or 25mm	✓	✓	✓
2" or 50mm	✓	✓	✓
ORDER REF - BAR-WH			

\*The most popular  
grades are 7SF,  
9SF and 10SF



4 & 6" WHEELS  
Come with a 1"  
centre hole

GRINDING

### 1. SELECT DENSITY

- 10 - Hardest keeps its shape even when working on stainless and titanium
- 9 - Hard the most widely used grade and is used on all hard steels for deburring
- 8 - Fairly Hard
- 7 - Medium Softer and used for deburring softer steels and alloys
- 4 - Soft Wood and soft metals also good on veneer work
- 2 - Very Soft Perfect on plastics and soft materials

### 2. SELECT GRIT TYPE

**Silicon Carbide** - slightly harder & coarser

SVF - Very Fine  
SF - Fine  
SM - Medium

**Aluminium Oxide** - smoother & finer

AF - Fine  
AM -Medium  
AC - Coarse

### 3. FELT INSERT

All wheels can be fitted with a felt insert to allow use with tapered spindles or for straight spindles of different diameters.

Sold Individually

Available:  
1"Centre Hole  
2"Centre Hole  
3"Centre Hole





## MX WHEELS

**Especially for fabricated stainless steel or aluminium alloys.**

**MX Wheels** - specifically for grinding, polishing and weld blending of stainless steel and aluminium fabrications. Its unique cool grinding, fast cutting and exceptional finishing overcome the most difficult finishing operations.

- Very safe and easy to use.
- No abrasive loading on aluminium as with standard abrasive products, or glazing of abrasive on stainless steel.
- MC-FLEX or GFX

## MX FLAT SIDED WHEELS

For die grinders, straight grinders, flexible drive shafts, bench grinders, polishing spindles.

**Available in:**

**Thickness:** 3mm, 6mm, 10mm

**Diameter:** 25mm, 50mm, 75mm, 100mm, 150mm, 200mm

**Standard Grits**

36, 54, 80, 120, 180

## ARTIFEX FINGER RING CONES

Elastic rubber-bonded abrasive finishing cones, for roughing out the inside of rings and bores.

**Sold Individually**

## ARTIFEX WHEELS

Silicon Carbide abrasive grit finishing wheels.

- **New super hard bonding now available**
- **NK for hard metals**

**Sold Individually**



ARTIFEX FINGER RING CONES				
Grade	Grit	Hardness	Colour Code	
Hard Bond				
SC80HP	Coarse 80g	Hard	White	✓
SC150HP	Medium 150g	Hard	Red	✓
SC250HP	Fine 250g	Hard	Blue	✓
Medium Bond				
SC80MP	Coarse 80g	Med/Hard	White	✓
SC150MP	Medium 150g	Med/Hard	Red	✓
SC250MP	Fine 250g	Med/Hard	Blue	✓
SC400MP	Ex-Fine 400g	Med/Hard	Yellow	✓
SIZE: 83mm long x 22/15mm diameters				
Maximum Safe RPM: 10,000				
ORDER REF - ARTFC				



GRINDING

ARTIFEX WHEELS			
GRADE MP, Medium/Hard Elastic			
Diameter x Width	Grit	Max.Safe	
x Bore (mm)		RPM	
50 x 25 x 6	24~150	7660	✓
	250~400		✓
100 x 25 x 13	24~150	3830	✓
	250~400		✓
150 x 15 x 13	24~150	2550	✓
	250~400		✓
150 x 25 x 13	24~150	2550	✓
	250~400		✓
Grits available: 24 46 80 150 250 400			
ORDER REF - ART-(SIZE)			

ARTIFEX WHEELS			
GRADE HP, Hard Elastic			
Diameter x Width x Bore (mm)	Grit	Max.Safe	
		RPM	
50 x 25 x 6	24~150	9950	✓
	250		✓
100 x 25 x 13	24~150	4500	✓
	250		✓
150 x 15 x 13	24~150	3200	✓
	250		✓
150 x 25 x 13	24~150	3200	✓
	250		✓
Grits available: 24 46 80 150 250			
ORDER REF - ART-(SIZE)			





RODA is a superior range of polishing and deburring products, for precision finishing, manufactured in the UK. RODA products consistently over-deliver on performance and efficiency.

# RODA

# NYMOP



GRINDING

### RODA NyMops

The Lap Disk Mop with a difference, unlike any other current nylon mop, RODA offers both deburring and finishing excellence using specially formulated technology. Time tested by industry professionals.

Available in various grades to suit the material and required finish.



RODA NyMop								
SIZE	CR80 RED	CB100 BROWN	CB110 BLACK	CR120 RED	MR180 RED	MR320 RED	MG400 GREEN	FG600 GREY
3" dia x 1-lap	✓	✓	✓	✓	✓	✓	✓	✓
3" dia x 2-lap	✓	✓	✓	✓	✓	✓	✓	✓
3" dia x 4-lap	✓	✓	✓	✓	✓	✓	✓	✓
3" dia x 6-lap	✓	✓	✓	✓	✓	✓	✓	✓
4" dia x 1-lap	✓	✓	✓	✓	✓	✓	✓	✓
4" dia x 2-lap	✓	✓	✓	✓	✓	✓	✓	✓
4" dia x 4-lap	✓	✓	✓	✓	✓	✓	✓	✓
4" dia x 6-lap	✓	✓	✓	✓	✓	✓	✓	✓
6" dia x 1-lap	✓	✓	✓	✓	✓	✓	✓	✓
6" dia x 2-lap	✓	✓	✓	✓	✓	✓	✓	✓
6" dia x 4-lap	✓	✓	✓	✓	✓	✓	✓	✓
6" dia x 6-lap	✓	✓	✓	✓	✓	✓	✓	✓
8" dia x 1-lap	✓	✓	✓	✓	✓	✓	✓	✓
8" dia x 2-lap	✓	✓	✓	✓	✓	✓	✓	✓
8" dia x 4-lap	✓	✓	✓	✓	✓	✓	✓	✓
8" dia x 6-lap	✓	✓	✓	✓	✓	✓	✓	✓
ORDER REF - LDM(DIA)X(LAPS)(GRADE)								

Material	Colour	Desc	Grade	Operation	Finish	PLASTICS	PRECIOUS METALS	BRASS	ALUMINIUM	MILD STEEL	STAINLESS STEEL	EXOTICS
F600	Grey	UFS	600	Deburr Finish	A silicon carbide material offering a machine brush finish		●	●	●		●	
M400	Green	Green	400	Deburr Finish	A medium deburring and finishing material offering a machine brush finish		●	●	●		●	●
M320	Red	MA	320	Deburr Finish	A medium material offering removal of slight machine lines, whilst leaving a satin finish			●	●		●	●
C180	Red	CA	180	Deburr Finish	A coarse material offering removal of slight machine lines, whilst leaving a satin finish			●	●		●	●
C120	Red	HDMA	120	Deburr Finish	A coarse material offering removal of heavier machine lines, whilst leaving a brush finish				●		●	●
C110	Black	BLACK	110	Deburr Finish	A silicon carbide material with great cutting properties to remove deep machine lines and offer a bright finish				●	●	●	●
C100	Brown	BROWN	100	Deburr Finish	A superior coarse material offering graining ability as well as deburring, offering a a bright brush finish on all metals				●	●	●	●
C80	Red	RED	80	Deburr	An extremely coarse grade for deburring / cleaning					●	●	●

GRINDING

## SPEEDS & FEEDS



Diameter		RPM (K)	MS (Mtr/sec)
2"	+	4	10.48
	-	1	2.62
3"	+	3.5	13.96
	-	1	3.99
4"	+	3.5	18.61
	-	1	5.32
6"	+	3	23.93
	-	1	7.98
8"	+	2.5	26.59
	-	1	10.63
10"	+	2	26.59
	-	1	13.29
12"	+	2	31.90
	-	1	15.95



## ABRASIVE NYLON FINISHING WHEELS

Formed by radially bonding closely packed strips of abrasive nylon material to a core. Brushes are used for removing contaminants, scratches, decorative matt finishing and blending-in, prior to buffing operations with the finer grades. **Sold Individually**

### 4" (100MM) NYLON FINISHING WHEELS

Popular with jewellers for cleaning up castings.

**Sold Individually**



### 6" (150MM) NYLON FINISHING WHEELS

Optional felt centre.

**Sold Individually**



### 8" (203MM) NYLON FINISHING WHEELS

Large finishing wheels. Optional felt centre.

**Sold Individually**



## KEYWAY WHEELS

100 X 100 x 19mm  
Flap Wheel options:

- Interleaved
- Abrasive Nylon

For use with angle grinders with a keyway fitting. Especially good for flat plate finishing.

**Sold Individually**



## NYLON FILAMENT WHEELS & BRUSHES

Abrasive nylon wheels and brushes to suit different tools. Popular for cleaning and deburring. Can be used in CNC machines for automated deburring. **Sold Individually**



### 4" JEWELLERS FINISHING WHEELS

Diameter (mm)	Width (mm)	Bore Dia. (mm)	Max RPM	
100	25	Taper	6,500	✓

Available in Fine A or Very Fine A & Super Cut

ORDER REF - SCOTFW100X25(GRADE)

### 6" (150mm) LARGE FINISHING WHEELS

Diameter (mm)	Width (mm)	Bore Dia. (mm)	Max RPM	
150	25	50	3,400	✓

Available in Heavy Duty Coarse A, Heavy Duty Medium S, Heavy Duty Fine A

ORDER REF - BAR-FINWH

### 8" (203mm) LARGE FINISHING WHEELS

Diameter (mm)	Width (mm)	Bore Dia. (mm)	
200	45	75	✓

Available in Medium A, Fine A or Very Fine A

ORDER REF - SCOTFW

### ABRASIVE KEYWAY

#### ABRASIVE NYLON WHEELS

100 x 100 x keyway	Coarse, Medium, Fine, Very Fine	✓
-----------------------	------------------------------------	---

ORDER REF - SCOTWH100

#### INTERLEAVED FLAP WHEELS

100 x 100 x keyway	60/F 100/F 150/F	✓
-----------------------	------------------	---

ORDER REF - IF-100

### ABRASIVE NYLON DISH BRUSHES

ORDER REF	Diameter	Brush Length	Thread / Bore Dia	Max.RPM	Grit 120 Medium	
GVA-41	100mm	20mm	M10 x 1.5mm	8500	632-414	✓
GVA-44			M14 x 1.5mm	8500	932-444	✓

### ABRASIVE NYLON WHEELS (LOOSE TYPE)

ORDER REF	Diameter	Width	Brush Length	Bore	Max.RPM	120 Medium	240 Fine
GWH-46	100mm	16mm	25mm	25mm	3500	✓	✓
GWH-68	150mm	25mm				✓	✓



### ABRASIVE NYLON 'PLEATED' BIAS MOP

With closed centre  
for taper spindle.

**Sold Individually**



### UNMOUNTED UNITIZED WHEELS

- All come with a 6mm centre hole unless otherwise advised (150mm weldcut wheels have a 22mm centre hole)
- Other sizes can be made to order.
- For use with a bench grinder or with an MM506 6mm mandrel
- 150mm for Fillet Weld Grinders - weld removal



**Ideal for use with our Flex  
Fillet Weld Machine**

**SEE PAGE 93 FOR ANGLE  
GRINDER FLAP DISCS**



**See Page 146  
for tool.**

### MX FLEXCUT DISCS

The composition of the MX abrasive enables these depressed centred dishes to grind and finish in one operation. They are useful in a variety of applications on both ferrous and non-ferrous metals.

**Sold Individually**



### AIRWAY BIAS MOPS

SIZE	VERY FINE A	MEDIUM A	COARSE A
	FINE A		
8" x 2 sec	✓	✓	✓
8" x 3 sec	✓	✓	✓
8" x 4 sec	✓	✓	✓
10" x 2 sec	✓	✓	✓
10" x 3 sec	✓	✓	✓
10" x 4 sec	✓	✓	✓
ORDER REF -SCOTABM(DIA)X(LAPS)(GRADE)			

### UNMOUNTED UNITIZED WHEELS

Diameter	Quantity	Thickness		
		3mm	6mm	10mm
25mm	PER 10	✓	✓	✓
30mm		✓	✓	✓
40mm		✓	✓	✓
50mm	EACH	✓	✓	✓
75mm		✓	✓	✓
100mm		✓	✓	✓
125mm		✓	✓	✓
150mm		✓	✓	✓
150mm for weld removal and cleaning				
ORDER REF - UNITWH				

### UNMOUNTED NORTON WHEELS

Size (dia. x thickness)	Pack of 10
10 x 12mm	✓
12 x 12mm	✓
25 x 6mm	✓
25 x 25mm	✓
50 x 6mm	✓
76 x 6mm	✓
100, 150, 200mm dia. Available	
ORDER REF - e.g UNITWH-(e.g 25X25-2SF)	

### MX FLEXCUT DISCS

Size	Grade	
4 1/2" x 7/8 DPC	A36	✓
4 1/2" x 7/8 DPC	A54	✓
7" x 7/8 DPC	A36	✓
ORDER REF - REXCUTFLEX		



## RADIAL WHEELS

Radial wheels are becoming a very popular tool across all industries. Suitable for materials from soft plastics to stainless steel. 6"/150mm (8-lap unit) radial brushes are ideal for bench grinders with an adjustable centre bore.

- These flexible discs are cool running
- Non-loading
- They create a controllable uniform finish
- Most importantly they are clean to use
- Particularly good for deburring threads
- Can be used in CNC machines for automated deburring
- Used without compound



**We can also supply a taper bore centre to adapt these wheels for taper spindles**

We've also developed a system for wider 150mm radial brushes up to 50mm wide (to fit an M14 thread), useful for:

- Large panels
- Textured surfaces

GRINDING



RADIAL DISCS					
ORDER REF	Size	Unit of Sale	Mount	Grades	
<b>HABRAS-150MM</b>	150mm	8 lap unit	Included	80, 120, 220, 400, Pumice, 6 Micron, 1 Micron	✓
<b>BK - 1011</b>	150	Individual Leaf	Taper Bore	80, 120, 220, 400, 600, 1000	✓
RADIAL TAPER BORE CENTRE					
<b>BK-1502-TB</b>	For 6" Wheels	Each	~	~	✓

## KEYWAY WHEELS

100 X 100 x 19mm

Flap Wheel options:

- Aluminium Oxide

For use with angle grinders with a key way fitting. Especially good for flat plate finishing.

**Sold Individually**



**See Page 147 for tool.**

ABRASIVE KEYWAY WHEELS				
Size	Grit/Grade			
COATED ABRASIVE FLAP WHEELS				
100 x 100 x keyway	40	50	60	✓
	80	100	120	✓
	150	180	220	✓
ORDER REF - FW100				

## LARGE ABRASIVE FLAP WHEELS

Abrasive flap wheels with a wooden centre for use with a taper spindle.

Aluminium Oxide grit.

**Sold Individually**



LARGE FLAP WHEELS					
Dia. x Width	Grits Available				Max.RPM
	40/ 60	80 /120	180	240/ 320	
<b>165 x 25mm</b>	✓	✓	✓	✓	5,800
<b>165 x 50mm</b>	✓	✓	✓	✓	2,800
ORDER REF - FWWC					

## DEPRESSED CENTRE ANGLE GRINDER DISHES

A variety of depressed centre angle grinder dishes in non-woven for surface finishing and felt for polishing. Use with an angle grinder for efficient large scale polishing.

**Sold Individually**



DEPRESSED CENTRE DISHES			
Material	Max RPM		ORDER REF
Felt Medium	10,300	✓	VFP
Non-Woven Red (80g) Grey (240g)	12,875	✓	VNP
Paint Stripping super black abrasive	12,875	✓	VGP
Select either M14 OR M10 thread			

## DEPRESSED CENTRE PAINT STRIPPING DISHES

Not for polishing, these dishes remove paint and rust etc.

**Sold Individually**

## ABRASIVE FLAP DISCS

Zirconium Oxide grit.

As abrasive flapdiscs wear down, the abrasive surface is constantly renewed. This provides a cooler grinding effect and avoids clogging, thus producing a better finish and less working time.

**Sold Individually**

## LV/LN FLAP WHEELS

Flat or angled  
Zirconium Oxide



**Abrasive flap discs can offer you:**

- Reduced down-time
- Increased productivity
- Cooler sanding
- Improved Finish
- Lower cost (than fibre sanding discs)



## ZOOM FLAP WHEELS

Economically priced  
Angled Zirconium Oxide

ABRASIVE FLAPDISCS					
DIAMETER	REF	GRITS	SHAPE	MAX.RPM	
x BORE		AVAILABLE			
100 x 16mm	LVZ28	40 - 60 - 80 - 120	Flat	15,000	✓
100 x 16mm	LVZ29		Angled	15,000	✓
115 x 22mm	LNZ74		Flat	13,200	✓
115 x 22mm	LVZ34		Flat	13,200	✓
115 x 22mm	LVZ38		Angled	13,200	✓
178 x 22mm	LVZ66		Flat	8,500	✓
ORDER REF - FD(DIA)-Z(GRIT)-(REF)					
BEST QUALITY					
110 x 22mm	61Z	40 - 60 - 120	Flat	11,000	✓
ORDER REF - FD110MMZ(GRIT)					
DIAMETER	REF	Zoom Flap Discs	SHAPE	MAX.RPM	
x BORE		GRITS AVAILABLE			
115 x 22mm	ZOOM	60 - 80 - 120	Angled	8,500	✓
ORDER REF - FD115-ZOOM-Z(GRIT)					



## GRINDING DISCS

For angle grinders– Maximum working speeds of 80 m/s.

Sold in Packs of 10



GRINDING DISCS			
Dia x thickness	Pack	BF27	X24
x bore (mm)	Quantity	Metal	Stainless
100 x 6 x 16	10	✓	✓
115 x 6 x 22		✓	✓
125 x 6 x 22		✓	✓
ORDER REF - GD(SIZE)			

GRINDING

## FIBRE BACKED SANDING DISCS

For use on all portable right-angled sanders with backing pad.  
For metal grinding.

Sold in Packs of 50



FIBRE BACKED SANDING DISCS					
Diameter x Bore	Pack Quantity	36 grit	60 grit	80 grit	120 grit
4819 Blue Zirconia					
100 x 16mm	50	✓	✓	✓	✓
115 x 22mm		✓	✓	✓	✓
125 x 22mm		✓	✓	✓	✓
178 x 22mm		✓	✓	✓	✓
ORDER REF - FBSD(SIZE)					
4570 CERAMIC ALUMINIUM OXIDE					
100 x 16mm	50	✓	✓	✓	✓
115 x 22mm		✓	✓	✓	✓
125 x 22mm		✓	✓	✓	✓
178 x 22mm		✓	✓	✓	✓
ORDER REF - FBSD(SIZE)					

## CUT-OFF WHEELS

For off-hand cutting– Maximum working speed of 80 m/s.

Sold in Packs of 50



CUT-OFF WHEELS						
Dia x thickness x bore (mm)		Flat		Pack Quantity	Depressed Centre	
		F1 Metal	F24 Stainless		XF1 Metal	XF24 Stainless
100 x 1 x 16	25	X	✓	25	X	X
100 x 1.2 x 16		X	✓		X	X
100 x 2.5 x 16		✓	✓		✓	✓
115 x 2.5 x 22		✓	✓		✓	✓
125 x 2.5 x 22		✓	✓	20	✓	✓
178 x 3 x 22		✓	✓		✓	✓
230 x 3 x 22		✓	✓		✓	✓
ORDER REF - COW						



## ARECAL ANGLE GRINDER MOPS

Poli mop - 115mm polishing mop for all metals. A compacted micro fibre mop with flexible backing plate for polishing ALL METALS including stainless steel. Cleans residue, scratches, paints and coverings. Can also be used on wood and plastics.

**115mm (Available in grits 80, 180, 400)**

**Sold Individually**



**ARECAL POLI MOPS - EACH**

**115mm Dia**

✓

**ORDER REF - RECAPOLIMOP**

## ARECAL CUTTING DISCS

P F1i INOX CUTTING DISC 115 x 1.0 x 22.2mm - For stainless steel. Specialist Cutting Disc. The F1i is an all-new improved 1mm thick specialist disc for ultra fast cutting in stainless steel. The disc contains no impurities such as iron, chlorine and sulphur that contaminate stainless steel. The F1i gives 50% better performance and life when cutting stainless steel than the old F1. 80m/s, Max RPM. 13,300

**Sold Individually**



**ARECAL CUTTING DISCS - EACH**

**Areca Cutting Discs**

✓

**ORDER REF - COW115X1X22.2-F1/I**

GRINDING

## MOLERODA DEPRESSED CENTRE DISHES

In Unitized material for surface preparation and Felt. Use with a backing pad (below) and angle grinder.

**Sold Individually**



**MOLERODA DEPRESSED CENTRE DISHES**

Material		ORDER REF
Unitized Hard, Med, Soft	✓	UNIT-DPC
Felt 6mm Thick Med, Hard	✓	FED-DPC
Felt 12mm Thick Med, Hard	✓	FED-DPC

**115mm Dia. (For M14 Backing Pad)**

## SURFACE CONDITIONING FLAP DISCS

Use for blending and surface preparation. Steel to Aluminium. Discs come in 4 different grades.

**Sold Individually**



**SURFACE CONDITIONING FLAP DISCS**

DIAMETER (MM)	WIDTH	GRADE	
115mm	22	COARSE	✓
115mm	22	MEDIUM	✓
115mm	22	FINE	✓
115mm	22	VERY FINE	✓

**ORDER REF - BAR-WH**

## ANGLE GRINDING BACKING PADS

page 75.

**Sold Individually**





## EXPANDA WHEELS

The expanda wheel is a soft contact wheel which, after mounting onto a tapered screw spindle, expands when the machine is switched on, gripping the abrasive coated or abrasive nylon bands. Can be fitted left or right hand – giving the benefits of finishing at a low cost – excellent results whether using it on contoured or flat surfaces. Offers great flexibility for the polisher and engineer.

**Sold Individually**

### ABRASIVE BELTS FOR EXPANDA WHEELS

Sizes to suit expanda wheel options. Prices based on Aluminium Oxide belts.

**Sold in Packs of 10**

Note: The small expanda wheel 90 x 50mm can be used on portable machines, when operating with no load run at less than 6,000 rpm

**A quick and easy way of turning a polishing lathe into a finisher**

## SPECIALIST FINISHING BELTS & DRUMS

- For stainless steels, non-ferrous materials, to lacquer polishing.
- From 80 grit down to 6 micron finish.
- We stock all sizes and types of belts.
- From belts for the Dynaflex and Belton machines, pad sanders to blow up tyres this is the most complete finishing range on offer.
- Can be used wet or dry.
- **Superfinishing Pads SG** start where conventional abrasives reach their limit.

Coated Abrasive Bands – grits available:  
**60 80 100 120 150 180 240 320 400**

**Also Available**

- **Trizact**
- **Micro-Mesh**
- Abrasive Nylon Bands in grades - **Coarse (Brown)** - **Medium (Maroon)** - **Fine (Blue)**

## PNEUMATIC DRUM (BLOW UP TYRE)

The Formula 1 Tyre for the first place finish. Suitable for a variety of belts – depending on air pressure, one can adjust the finish from hard to soft

- Used with abrasive belts
- 90 x 100 x 19mm keyway
- Takes 100 x 289mm Belts



EXPANDA WHEELS		
Dia x Width (mm)	Max.RPM	
<b>90 x 50mm</b>	6,000	✓
<b>150 x 38mm</b>	4,500	✓
ORDER REF - EXPANDERWHEEL-(SIZE)		

ABRASIVE BELTS FOR EXPANDA WHEELS	
Length x Width (mm)	Pack of 10
<b>289 x 50mm</b>	✓
<b>475 x 38mm</b>	✓
ORDER REF - AB(LENGTH X WIDTH)	



### Micro-Mesh BELTS

Any length of belt can be produced up to a maximum of 12" wide in any of the Micro-Mesh materials.

**Please contact us with your specific requirements**

PNEUMATIC DRUM	
Dimensions	
<b>90 X 100 X 19mm</b>	✓
ORDER REF - BLOWUPTYRE90X100	

ARBOR	
Dimensions	
<b>FG M14 (19 X 100mm)</b>	✓
ORDER REF- BLOWUPTYRE-ARBOR	



## POLISHING CONSUMABLES

P99-100 - POLISHING HAND TOOLS

P101 - 107 - MOUNTED POLISHING TOOLS

P108 - 116 - UNMOUNTED POLISHING TOOLS

## POLISHING

With Moleroda's 35 years' experience in manufacturing polishing consumables into industry, we are able to offer the quality products as well as the technical knowledge.

With a wide range of innovative tooling and consumables for polishing, we have an offering for every application. We offer various materials as well as various compounds to create the desired finish, whether this is a matt or a mirror finish.

For mirror finishing we offer all grades of felt tools and lapping sticks to accompany our range of diamond compound.

For the polishing mop users we manufacture all sizes of mops in every material required from 4" to 12" as well as being a global leader in polishing compound sales.

For the hobbyist's we offer a complete range of bobs, cones and points in that required smaller size to be able to polish your items with precision.





### POLISHING OVERVIEW

Once you have prepared your surface, start your polishing with mops and compound. Rule of thumb with compounds, dark ones are abrasive and pale ones are for finishing.

Start with a dry sisal if you have scratches to remove. Spin the mop against the cutting compound to load, if using a large hand tool like a drill or angle grinder it might help to clamp the compound to the table.

Work over the metal ensuring you keep moving not staying in any one place for too long.

Move on to the white stitched mop. At this point, you can either use a cutting compound or polishing compound.

Finally, use the WDR mop with the finishing compound to bring the finish up to a high shine.

To clean up dip a soft lint-free cloth in the Vienna lime and wipe over the metal. It will remove the polishing haze and bring the finish up to a high shine.

## POLISHING TIPS

### General points to take into consideration before you start to polish.

- Determine where you start, this will depend on the state of the surface.
- What speed will your mops run at?
- What is the quality of your material?
- Removal of all previous process marks.
- Try not to overload your compound. It will leave it greasy.
- Correct PPE! Make sure you have masks and eye protection! If polishing at home without extraction try going outside.
- Consider degreasing solutions. Vienna lime or solvent removers work well.
- Do not wash your mops, you can buy mop dressers that will bring your mops back to life.
- Do not cross contaminate compounds. Keep one mop per compound.





### MAXIGLEAM DUST CLOTHS EXTRA LARGE PIECES

#### 200 sheet 50x70cms

Lint free polishing cloths. Specially designed material for superior dust and dirt pick up. Made from rayon/polyester material for longer, more effective use. Soft enough for delicate finishes-sturdy enough for rugged polishing. Large absorbent cloths for maximum dust collection. Great for cleaning and polishing stainless steel, paintwork and glass. Can be washed and re-used many times. White so soils and dirt can be seen. Larger than average size pieces 50 x 70 cms.

**Sold in Boxes of 200. Large Coths, 4kg**



#### MAXIGLEAM DUST CLOTHS

1 BOX OF 200



ORDER REF - POLISHINGCLOTHM

### MICRO-MESH POLISHING CLOTH

A very soft finishing cloth 12" square. Ideal for use with mirco mesh gloss. See page 119.



#### POLISHING CLOTH

12" SQUARE



ORDER REF - MIC-POLISHINGCLOTH

### LINT FREE POLISHING CLOTH

The easiest way to use the lime is by coating dry lime on a soft cloth and gently wiping the polished surface to remove residues. This lint free cloth is perfect for the job. See page 123 for lime.



#### LINT FREE CLOTH

INDIVIDUAL CLOTHS

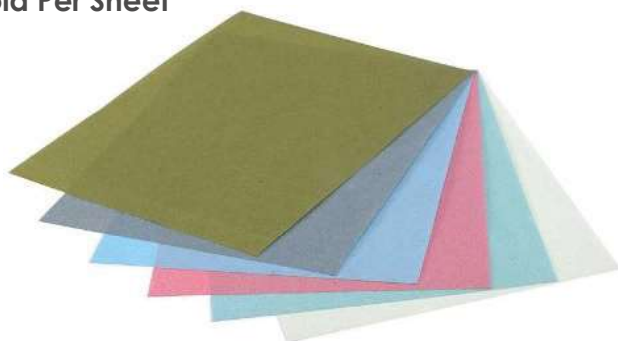


ORDER REF - POLISHINGCLOTHS

### 3M POLISHING PAPERS

These papers can be used wet or dry, with a fabric backing they are paper-thin. Very flexible. Ideal for jewellery although they work very well on all metals.

**Sold Per Sheet**



#### 3M POLISHING PAPER

COLOUR	MICRON	FEPA GRIT	
GREEN	30 micron	400	✓
GREY	15 micron	600	✓
BLUE	9 micron	1200	✓
PINK	3 micron	4000	✓
MINT	2 micron	6000	✓
PALE GREEN	1 micron	8000	✓
ORDER REF - GESS-SHEETS-(GRIT)			

Mineral: Aluminium Oxide (2, 3 & 9 micron)  
Mineral: Silicon Carbide (15 & 30 micron)  
Sheet Size: A4



## FELT LAPPING STICKS

Hardened or Unhardened  
Can be used in double-ended or hand held stone holders.

**Sold in Packs of 10**



FELT LAPPING STICKS			
Order Ref.	Size (mm)	100mm Hardened	150mm Hardened
FS6	6 sq	✓	✓
FS8	8 sq	✓	✓
FS10	10 sq	✓	✓
FS12	12 sq	✓	✓
FS25	25 sq	✓	✓
Deduct 5% for Unhardened Sticks			
ORDER REF - FS			

## MOUNTED FELT LAPPING STICKS

**Mounted on a 3mm or 1/8" spindle**

Mounted felt polishing sticks suitable for Diprofil-type reciprocator heads for diamond polishing.

**Sold in Packs of 10**



MTD FELT STICKS		
ORDER REF	Size (mm)	
FSM6	6 sq x 40 long	✓
FSM8	8 sq x 40 long	✓
FSM10	10 sq x 40 long	✓
FSM12	12 sq x 40 long	✓
Deduct 5% for Unhardened Sticks		

## FELT RECTANGLES

Felt rectangles for hand finishing with diamond compound, Simichrome etc. Also good for cleaning after polishing.

**Sold in Packs of 10**

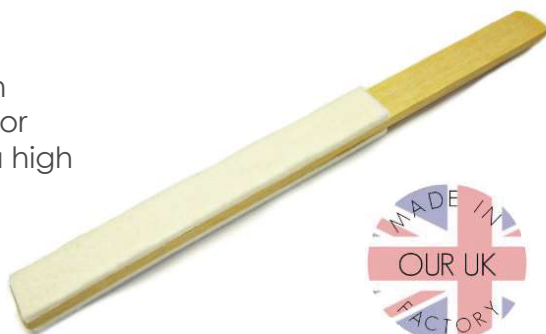


FELT RECTANGLES			
Order Ref.	Size (mm)	Soft/Medium	Hard
FR2550	25 x 50 x 3	✓	✓
FR50100	50 x 100 x 3	✓	✓
ORDER REF - FR...			

## FELT HAND FILES

Felt hand files for use with diamond paste, Ultralap or Simichrome. Perfect for a high finish on flat surfaces.

**Sold individually**



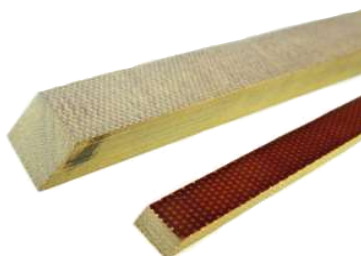
FELT HAND FILES		
FELT	Available Grades	
Single Sided	Soft, Medium or Hard	✓
Double Sided		✓
ORDER REF - WHF-F		

## SUPER LAPPING STICKS

For use with diamond and lapping pastes

- Very strong and hard - maintains shape
- Excellent for polishing and lapping
- No scratching or splintering
- Sizes to fit ceramic stone holders
- Ideal for filers and Diprofiles

**Sold in Packs of 10**



SUPER LAPPING STICKS					
1mm thick		2mm thick		3mm thick	
2 x 1mm	✓	4 x 2mm	✓	3mm sq.	✓
3 x 1mm	✓	6 x 2mm	✓	6 x 3mm	✓
4 x 1mm	✓	8 x 2mm	✓	-	
6 x 1mm	✓	12 x 2mm	✓		
10 x 1mm	✓	-			
12 x 1mm	✓				
4mm thick		6mm thick		8mm thick	
4mm sq.	✓	6mm sq.	✓	12 x 8mm	✓
		12 x 6mm	✓	19 x 8mm	✓
ORDER REF - SULS					

## MOUNTED LAPPING STICKS/BOBS & CONES

- Hard or soft wood
- Mounted on a 3mm spindle

Excellent for use in a reciprocating tool for polishing a flat surface or into a slot.

**Sold in Packs of 10**



MTD WOODEN CONES		
Dia x Length	Hard	Soft
6 x 16mm	✓	✓
8 x 16mm	✓	✓
12 x 30mm	✓	✓
ORDER REF - HWC/SWC		

MTD WOODEN BOBS		
Dia x Length	Hard	Soft
6 x 12mm	✓	✓
8 x 16mm	✓	✓
12 x 20mm	✓	✓
ORDER REF - HWB/SWB		

MTD WOODEN LAPPING STICKS		
Size	Hard	Soft
ROUND		
6mm dia.	✓	✓
8mm dia.	✓	✓
SQUARE		
6mm sq.	✓	✓
8mm sq.	✓	✓
ORDER REF - MHWLS /MSWLS		

## WOODEN LAPPING STICKS

Low cost -High quality, soft or hard wood. Round sticks with a pointed end ideal for fine detail. For hand or machine use. Choose hardwood for greater cut.

**Sold in Packs of 10**



SQUARE		
Size	Hard	Soft
3mm	✓	✓
4.5mm	✓	✓
6mm	✓	✓
8mm	✓	✓
ORDER REF	HWLS	SWLS

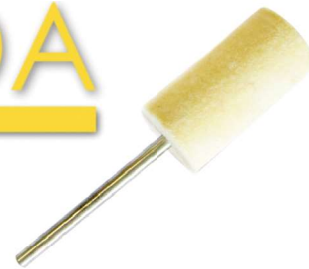
ROUND		
Size	Hard	Soft
3mm	✓	✓
4.5mm	✓	✓
6mm	✓	✓
8mm	✓	✓
10mm	✓	✓
12.7mm	✓	✓
ORDER REF	HWLS	SWLS

RECTANGULAR		
Size	Hard	Soft
4.5 x 3mm	✓	✓
6 x 3mm	✓	✓
6 x 4.5mm	✓	✓
8 x 6mm	✓	✓
9 x 3mm	✓	✓
12 x 6mm	✓	✓
12 x 8mm	✓	✓
19 x 6mm	✓	✓
19 x 8mm	✓	✓
25 x 6mm	✓	✓
ORDER REF	HWLS	SWLS



RODA is a superior range of polishing and deburring products, for precision finishing, manufactured in the UK. RODA products consistently over-deliver on performance and efficiency.

## RODA FELT



### MOUNTED FELT - BOBS, CONES & BULLNOSE

Dia x Length (mm)	Shank Diameter				
	3/32"	3mm	1/8"	6mm	1/4"
6 x 12	✓	✓	✓	X	X
6 x 16	✓	✓	✓	X	X
6 x 25	X	✓	✓	X	X
8 x 12	X	✓	✓	X	X
10 x 12	X	✓	✓	X	X
10 x 19	X	✓	✓	X	X
10 x 25	X	✓	✓	X	X
10 x 38	X	✓	✓	X	X
12 x 12	X	✓	✓	✓	X
12 x 19	X	✓	✓	✓	✓
12 x 25	X	✓	✓	✓	✓
12 x 38	X	✓	✓	✓	✓
16 x 16	X	✓	✓	✓	✓
16 x 19	X	✓	✓	✓	✓
16 x 25	X	✓	✓	✓	✓
16 x 32	X	✓	✓	✓	✓
19 x 19	X	✓	✓	✓	✓
19 x 32	X	✓	✓	✓	✓
19 x 38	X	✓	✓	✓	✓
25 x 25	X	X	X	✓	✓
25 x 38	X	X	X	✓	✓
25 x 50	X	X	X	✓	✓
32 x 38	X	X	X	✓	✓
38 x 38	X	X	X	✓	✓
Extra charge for Hardening +10%					
Other sizes and spindle diameters are available					
ORDER REF - MFB/MFC/MFBN(DIA) X(LENGTH)-(SPINDLE)					

### RODA Felt:

The Professional Polishers tool of choice. Over 30 years of experience and knowledge has been used to develop a quality product like no other. Designed and manufactured in the UK alongside polishing specialists, RODA Felt is the market leader in specialist finishing.



### Felt Density

Medium- Ideal for cutting and polishing operations, this is a good standard felt for most materials. Hardened- Standard felt is treated to make it hard and less flexible. It gives you more cut and therefore particularly suits harder metals. Shaped felts are more likely to keep their shape when hardened.

Extended spindles are also available.  
– More spindle sizes are available please call us.





### SMALL MOUNTED FELT BOB KIT

Metric (3mm) or Imperial (1/8") spindle option. A mixture of shapes; conical, bullnose and bobs in various dimensions.

**Sold in Packs of 10**

LARGE MTD FELT BOB KIT	
(Imperial or Metric)	✓
ORDER REF - MFBKITL(IMP OR MET)	



### LARGE MOUNTED FELT BOB KIT

Metric (3mm & 6mm) or Imperial (1/8" & 1/4") spindle option. A mixture of shapes; conical, bullnose and bobs in various dimensions.

**Sold in Packs of 10**

SMALL MTD FELT BOB KIT	
(Imperial or Metric)	✓
ORDER REF - MFBKITS(IMP OR MET)	

### What do you use mounted felt bobs for?

Felt bobs are mainly used for polishing metal although you can also use them on glass. These bobs are used in many industries including:

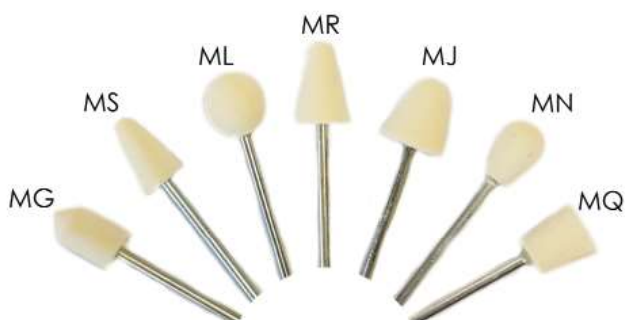
**Mould tool polishing:** – Mould tools and dies used for plastic injection require a very high finish. You'll find that felt is mostly used for lapping and polishing with diamond compound.

**Polishing medical implants** – Moleroda have been making bespoke felts for medial companies for many years- Our felts are very high quality, under totally controlled manufacturing, suitable for robotic use.

**Polishing precision engineered components** – we supply aerospace, automotive, oil and gas, defence, and many more engineering industries. Anything where you require a polished finish.

**Polishing precious metals in Jewellery industry** – Working on gold and silver, Platinum, Palladium etc. Jewellers usually require smaller felts on a 2.35mm spindle with fine compounds such as Rouge.

### SPEEDS & FEEDS



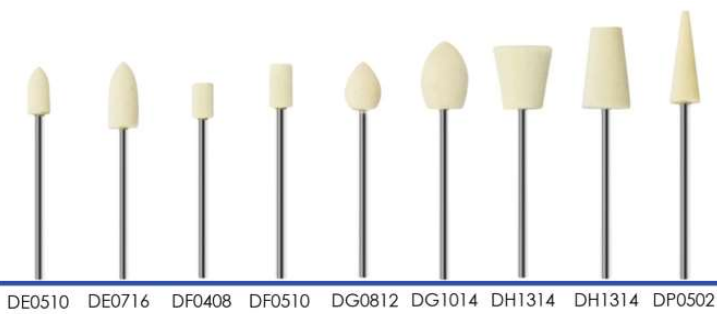
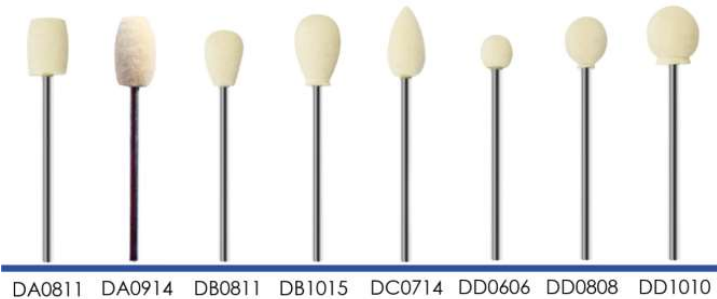
Diameter		RPM (K)	MS (Mtr/sec)
<b>6.00</b>	+	20	6.28
	-	4	1.26
<b>8.00</b>	+	20	8.37
	-	4	1.67
<b>10.00</b>	+	20	10.47
	-	4	2.09
<b>12.00</b>	+	20	12.56
	-	4	2.51
<b>14.00</b>	+	20	14.65
	-	4	2.93
<b>16.00</b>	+	20	16.75
	-	4	3.35



MOUNTED DENTAL FELTS

All dental felts are on a 2.35mm spindle. Ideal for detail polishing when used with compound.

Sold in Packs of 10



MTD DENTAL FELTS (on 2.35mm)		
Order ref.	Dia (x Dia) x Length (mm)	Pack of 10
DA 0811	8 x 5 x 11	✓
DA 0914	9.5 x 8 x 14	✓
DB 0811	8 x 5 x 11	✓
DB 1015	10 x 6 x 15	✓
DC 0714	7 x 14	✓
DD 0606	6	✓
DD 0808	8	✓
DD 1010	10	✓
DE 0510	5 x 10	✓
DE 0716	7.5 x 16	✓
DF 0408	4 x 8	✓
DF 0510	5 x 10	✓
DG 0812	8 x 6 x 12	✓
DG 1014	10 x 6 x 14	✓
DH 1314	13 x 8 x 14	✓
DJ 1019	10 x 8 x 19	✓
DP 0520	5-1 x 20 (cone)	✓
Extra charge for Hardening +10%		
ORDER REF - MF-D...		
17 PIECE ASSORTMENT		✓
ORDER REF - MFBKITDENTALSET		

DENTAL FELT SET

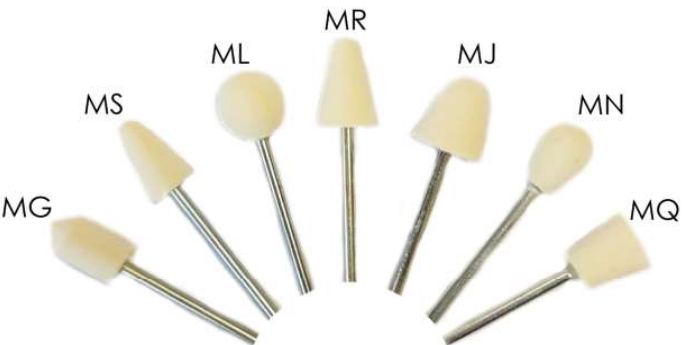
A set containing the full 17 assorted dental felt shapes on a 2.35mm shank.

Sold in Packs of 17



OTHER SHAPED FELTS

Other specialist shapes are available designed for awkward to polish areas, shaped to perform particular tasks. For pricing and ordering please contact us.



## MOUNTED FELT WHEELS

Mounted felt wheels in a full range of thicknesses, densities mounted on spindles. Used for polishing with compound.

**Sold in Packs of 10**



MTD FELT WHEELS						
Wheel	Grade	Max RPM	WHEELS			
Thickness			22mm	25mm	30mm	40mm
2.35mm Shank						
3mm	Medium	13,000	✓	✓	X	X
4.5mm			✓	✓	X	X
6mm			✓	X	X	X
ORDER REF - VSM-(DIA)X(THICKNESS)						

3mm Shank						
3mm	Medium	13,000	-	✓	✓	✓
3mm	Hard			✓	✓	✓
6mm	Medium			✓	✓	✓
10mm	Soft/Medium	5,000		✓	✓	✓
10mm	Medium			✗	✓	✗
10mm	Hard			✓	✓	✓
ORDER REF - (DIA)X(THICKNESS)						

MTD 3-LAP FELT WHEELS						
Shank		Max RPM	22mm	25mm	30mm	40mm
2.35mm	Soft	14,000	✓	✓	X	X
ORDER REF - VSM-(DIA)X3LX3/32FW						
3mm	Soft	14,000	X	✓	✓	✓
ORDER REF - (DIA)X3L-3FELT-SOFT						

## MOUNTED KNIFE EDGE WHEELS

Made from hardened felt, these wheels are good for accessing difficult to polish areas when employed with compound.

**Sold in Packs of 10**

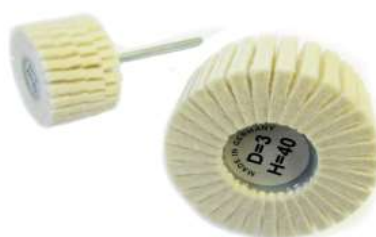


MTD FELT KNIFE EDGE WHEELS - PER10					
Shank	WHEEL DIA (mm)				
	22mm	25mm	30mm	40mm	Max RPM
2.35mm	✓	X	X	X	12,000
ORDER REF - VSM-7/8KE					
3mm	X	✓	✓	✓	12,000
ORDER REF - (DIA)-3KNIFE-EDGE					

## MOUNTED FELT FLAP WHEELS

Extremely good for polishing inside bores and convoluted surfaces.

**Sold Individually**



MTD FELT FLAP WHEELS - EACH				
Spindle	Diameter mm	Width mm	Felt Thickness	
3mm	20	10	2mm	✓
	30	10		✓
	30	20		✓
6mm	50	20	3mm	✓
	60	30		✓
	80	50		✓
ORDER REF - MFFW				

## SMALL & LARGE MOUNTED BUFFING BALLS

The ball shape gives the top washer more coverage allowing you to use the top of the ball as well as the sides without scratching. Twice as much material for a longer lasting product. Small felt buffing balls on 2.35mm and 3mm spindles. Large diameters on a 6mm re-usable shank. The screw mandrel allows laps to be replaced and the reverse threaded mandrel won't loosen during use. Replacement laps for large buffing balls make this product extremely economical.



FELT BUFFING BALLS									
Material	6mm	12mm	22mm	25mm	30mm	40mm	50mm	75mm	100mm
<b>Small Mounted Buffing Balls - 2.35mm Spindle - Per 10</b>	✓	✓	X	✓	X	X	X	X	X
ORDER REF - VSM-(DIA)X6LX3/32-(MATERIAL)									
<b>Small Mounted Buffing Balls - 3mm Spindle - Per 10</b>	X	X	X	✓	✓	✓	X	X	X
ORDER REF - (DIA)X6LAP-3MM(MATERIAL)									
<b>Large Mounted Buffing Balls - 6mm Spindle - Each</b>	X	X	X	X	X	X	✓	✓	✓
<b>Large Mounted Buffing Ball Refills - 20 Laps</b>	X	X	X	X	X	X	✓	✓	✓
ORDER REF - (DIA)X6LAP-3MM(MATERIAL)									

## MOUNTED CHAMOIS WHEELS

On 2.35mm or 3mm spindles. 100% high quality chamois leather. Made in our factory in various diameters. Particularly useful on glass and precious metals.

**Sold in Packs of 10**



Shank	Laps	WHEELS				
		19mm	22mm	25mm	30mm	40mm
2.35mm	4-Lap Chamois	✓	✓	✓	X	X
3mm	8-Lap Chamois	X	X	✓	✓	✓

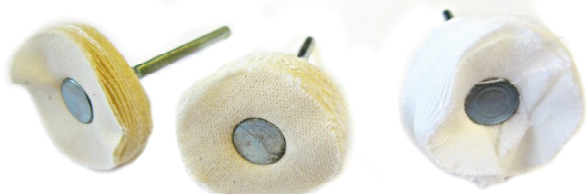
## MOUNTED CALICO MOPS

Come in hard, medium and soft (white) on a 2.35mm and 3mm spindle. Used with compound for all stages of polishing. Max RPM 12,000.

**Sold in Packs of 17**



MTD CALICO WHEELS - PER 10					
Shank	Material	WHEELS			
		22mm	25mm	30mm	40mm
<b>2.35mm</b>	Hard Calico (12-lap)	✓	✓	X	X
	Medium Calico (16-lap)	✓	✓	X	X
	Soft Calico (16-lap)	✓	✓	X	X
ORDER REF - VSM-(DIA)X(LAPS)LX3/32-(H,M or S)					
<b>3mm</b>	Hard Calico (16-lap)	X	✓	✓	✓
	Medium Calico (24-lap)	X	✓	✓	✓
	Soft Calico (24-lap)	X	✓	✓	✓
ORDER REF - (DIA)X(LAPS)L-3CALICO(H,M or S)					



## MOUNTED MINI MOPS

Come in dry sisal, stitched G and stitched WDR on a 2.35mm and 3mm spindle. Used with compound for all stages of polishing. Max RPM 12,000.

Sold in Packs of 10



MTD MINI MOPS						
		2.35mm Mandrel		3mm Mandrel		
Width	Type	25mm Ø	30mm Ø	25mm Ø	30mm Ø	40mm Ø
4mm	Stitched G	X	✓	X	✓	X
6mm	Dry Sisal	X	✓	X	✓	X
	Stitched G	✓	✓	✓	✓	✓
	Stitched WDR	✓	✓	✓	✓	✓
12mm	Dry Sisal	X	✓	X	✓	X
	Stitched G	X	✓	X	✓	✓
	Stitched WDR	X	✓	X	✓	✓
ORDER REF		VSM - (DIA) X (WIDTH) -3/32 (TYPE)		(DIA) X (WIDTH) -3 (TYPE)		

## SMALL MOUNTED CUPS, WHEELS & PENCILS

Brass, Steel, Bristle, Hair and Nylon. These points are particularly useful for detail polishing & deburring.

Sold in Packs of 10



POLISHING

## COTTON YARN WHEELS

22mm dia on 2.35mm spindle. Popular with dental laboratories and Jewellers for final finishing with polishing compound.

MOUNTED POLISHING WHEELS - 3mm SPINDLE							
	WHEELS		CUPS			PENCILS	
Material	20mm	25mm	10 x 7mm	12 x 3mm	15 x 8mm	5 x 6mm	6 x 8mm
Black Bristle	X	✓	✓	✓	✓	✓	X
Mixed Hair	✓	✓	✓	X	✓	✓	✓
White Nylon	X	X	X	✓	X	X	✓
ORDER REF - VSM3MM-(SIZE)-(TYPE)							

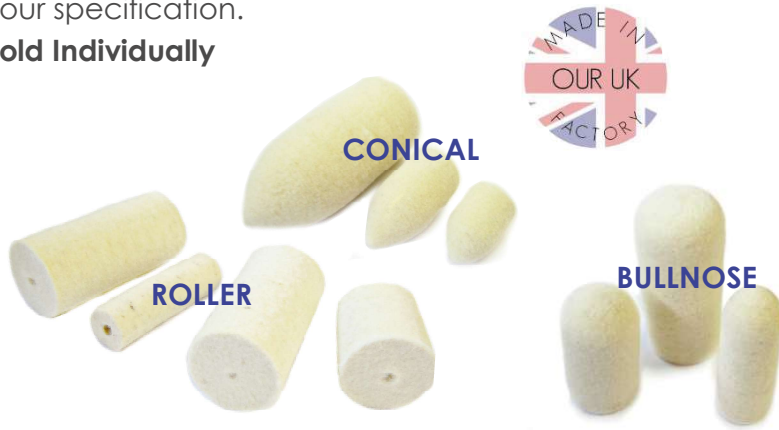
MOUNTED POLISHING WHEELS - 2.35mm SPINDLE									
	WHEELS				CUPS			PENCILS	
Material	17mm	19mm	22mm	25mm	6mm	10mm	12mm	4.5mm	6mm
Horsehair, Medium	X	X	✓	X	✓	X	✓	✓	X
Grey Goat Hair, Soft	✓	X	✓	X	X	X	✓	X	X
White Hair, Soft	X	X	✓	X	✓	X	✓	✓	X
Black Bristle, Stiff	✓	X	✓	X	✓	✓	✓	✓	✓
White Bristle, Stiff	X	✓	✓	X	✓	✓	✓	✓	✓
White Nylon	X	X	✓	X	X	X	✓	✓	✓
Cotton Yarn Wheel	X	X	✓	✓	X	X	X	X	X
ORDER REF - SM-(SIZE)-(TYPE)									



## UNMOUNTED FELT ROLLERS

Unmounted felt rollers for polishing, these rollers are very versatile and can be used for a huge variety of applications. The roller shape is ideal for getting into tight areas, for polishing in grooves, gaps etc. Don't see what you need? Contact us as we can make to your specification.

**Sold Individually**



## UNMOUNTED FELT TAPERS

Normally used for polishing inside bores, felt tapers are particularly used in the Jewellery trade for polishing inside rings. Size options are: Overall Length x Bottom Diameter x Top Diameter in mm.

**Sold Individually**



UNMOUNTED FELT ROLLERS, BULLNOSE & CONES

Dia x Width (mm)	ROLLERS	BULLNOSE & CONES
Packs of 20		
6 x 12	✓	✓
12 x 12	✓	✓
12 x 20	✓	✓
12 x 25	✓	✓
12 x 40	✓	✓
16 x 20	✓	✓
20 x 20	✓	✓
20 x 25	✓	✓
20 x 40	✓	✓
20 x 45	✓	✓
20 x 56	✓	✓
22 x 32	✓	✓
22 x 45	✓	✓
22 x 50	✓	✓
22 x 56	✓	✓
25 x 25	✓	✓
25 x 40	✓	✓
25 x 50	✓	✓
Individually		
40 x 50	✓	✓
For Hardened, + 20%		
For 2-stage lead hole, + £0.20 per unit		
ORDER REF - FER / FEC / FEB - (DIMENSIONS)		

UNMOUNTED FELT TAPERS

Length (mm)	Large Dia.	Small Dia.	
20	16	10	✓
20	20	12	✓
25	12	8	✓
32	20	12	✓
40	12	8	✓
40	20	12	✓
40	25	12	✓
45	20	10	✓
50	20	10	✓
50	22	12	✓
50	25	12	✓
56	25	12	✓
63	20	10	✓
63	25	12	✓
75	25	12	✓
100	25	12	✓
For Hardening +10%			
For 2-stage lead hole, + £0.20 each			
ORDER REF - FET-(DIMENSIONS)			

### MOUNTED RING FELTS

Used for polishing inside rings.

**Sold Individually**



MOUNTED RING FELTS	
Size	
STANDARD	
3"	✓
3.1/2"	✓
4"	✓
SOFT	
4"	✓
HARD	
3"	✓
3.1/2"	✓
4"	✓
ORDER REF - MRF	

### COTTON RING BUFF

Used for the final polishing of the inside of rings. **Sold Individually**

COTTON RING BUFFS		
Ref.	Size (mm)	
CRB-01	110 x 65 x 14/29 (standard)	✓
CRB-02	115 x 75 x 16/32 (large)	✓
CRB-03	110 x 70 x 15/27 (large-slim)	✓
CRB-04	110 x 70 x 12/22 (slim)	✓
ORDER REF - MCRB-CRB-(No)		



### WOODEN RING HOLDER

For the mounting and holding of rings when polishing their outer surface.

**Sold Individually**



WOODEN RING HOLDER
✓
ORDER REF - WOODENRINGHOLDER

### COMBINATION RING FELTS

Size: Mounted felt length -87mm  
Wheel dia x thickness - 63 x 12mm  
Used for polishing both inside and outside rings/bores.

**Sold Individually**

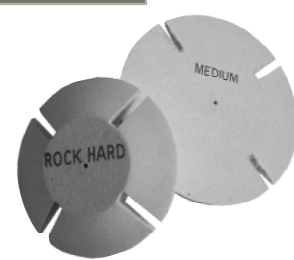


COMBINATION RING FELT/WHEEL
✓
ORDER REF - MRF-W



### SPLIT LAP FELT WHEELS

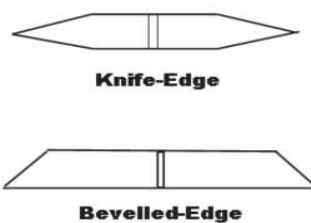
Each wheel has 1/4" radial slits, which, when rotated at high speeds, they allow the operator to see through the wheel to the object being polished. The purpose of this system is the operator's line of sight is through the wheel, the radial slits providing a window of the surface being polished and therefore the item does not have to be removed for inspection.



### UNMOUNTED KNIFE EDGE / BEVELLED EDGE FELT WHEELS

Hardened felt wheels.

**Sold Individually**



KNIFE EDGE WHEELS	
Diameter (mm)	
12mm THICK	
40	✓
50	✓
63	✓
75	✓
86	✓
100	✓
125	✓
150	✓
5% price reduction for Unhardened Wheels	
ORDER REF - KEW or BEW	

POLISHING

## SOFT FELT DISCS & RINGS

For high quality diamond polishing. For harder density felt material, + 10% to standard prices

**Sold in Packs of 20**



FELT RINGS	
(for flexible holders)	
Size	
20 x 6 CH	✓
30 x 10 CH	✓
52 x 25 CH	✓
ORDER REF - SAR(DIA.)-FELT	

FELT DISCS	
Diameter	
10mm	✓
12mm	✓
20mm	✓
25mm	✓
30mm	✓
50mm	✓
75mm	✓
ORDER REF - SAD(DIA.)-FELT	

## UNMOUNTED FELT WHEELS

Extra charge for hardening +10%

Extra charge for washing + £0.50 per wheel

All wheels supplied with a standard 6mm centre hole.

Extra charge for non-standard centre hole + £1.00 per wheel.

Other sizes and densities available, but may be subject to minimum order quantities, price on application.

**Sold Individually**



UNMOUNTED FELT WHEELS	
Dia x Width (mm)	
50 x 12	✓
50 x 20	✓
50 x 25	✓
50 x 40	✓
50 x 50	✓
50 x 75	✓
63 x 12	✓
63 x 25	✓
63 x 40	✓
63 x 50	✓
75 x 10	✓
75 x 12	✓
75 x 20	✓
75 x 25	✓
75 x 40	✓
75 x 50	✓
75 x 75	✓
ORDER REF - FEW	

UNMOUNTED FELT WHEELS			
Dia x Width (mm)	SOFT SG45	MEDIUM SG55	HARD SG66
100 x 6	✓	✓	✓
100 x 10	✓	✓	✓
100 x 12	✓	✓	✓
100 x 20	✓	✓	✓
100 x 25	✓	✓	✓
100 x 40	✓	✓	✓
100 x 50	✓	✓	✓
125 x 6	✓	✓	✓
125 x 12	✓	✓	✓
125 x 20	✓	✓	✓
125 x 25	✓	✓	✓
125 x 40	✓	✓	✓
125 x 50	✓	✓	✓
150 x 6	✓	✓	✓
150 x 12	✓	✓	✓
150 x 20	✓	✓	✓
150 x 25	✓	✓	✓
150 x 40	✓	✓	✓
150 x 50	✓	✓	✓
150 x 75	✓	✓	✓
ORDER REF - FEW			

UNMOUNTED FELT WHEELS			
Dia x Width (mm)	SOFT SG45	MEDIUM SG55	HARD SG66
200 x 6	✓	✓	✓
200 x 12	✓	✓	✓
200 x 20	✓	✓	✓
200 x 25	✓	✓	✓
200 x 40	✓	✓	✓
200 x 50	✓	✓	✓
200 x 75	✓	✓	✓
250 x 6	✓	✓	✓
250 x 12	✓	✓	✓
250 x 20	✓	✓	✓
250 x 25	✓	✓	✓
250 x 40	✓	✓	✓
250 x 50	✓	✓	✓
250 x 75	✓	✓	✓
300 x 6	✓	✓	✓
300 x 12	✓	✓	✓
300 x 20	✓	✓	✓
300 x 25	✓	✓	✓
300 x 40	✓	✓	✓
300 x 50	✓	✓	✓
300 x 75	✓	✓	✓
ORDER REF - FEW			

### MISCELLANEOUS FELT PRODUCTS

Bespoke felts made to customer specifications.  
We can problem solve to create the ideal polishing solution however complex.  
This is what we do best.

#### PADS & BLOCKS



#### SPECIAL FABRICATIONS



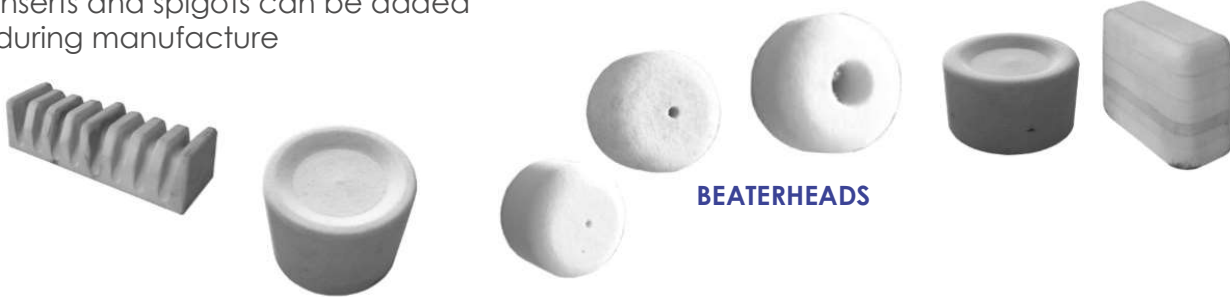
#### RINGS & SEALS



#### FELT PLUG ASSISTS

A fast, low-cost alternative to Aluminium, Durillium and wooden plugs. Felt is durable with rapid warm-up.

Inserts and spigots can be added during manufacture

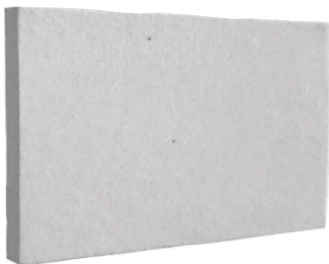


#### BEATERHEADS

#### FELT ROLL

High quality felt available by the meter.

**Sold in Square Metres**



#### WHITE PRESSED FELT SHEET

High quality felt available by the metre.

**Sold in Square Metres**



#### MEDICAL FELTS

Specially made to suit automated/robotic polishing systems



POLISHING

### FELT ORDERING SPECIFICATION – HOW TO ORDER FELTS

**FELT ROLLER** - Diameter x Length x Density

**FELT WHEEL** - Diameter x Width x Density

**CONICAL FELT** - Diameter x Length x Density

**BULLNOSE FELT** - Diameter x Length x Density

**MOUNTED BOB** - Diameter x Length x Spindle diameter x Density

**MOUNTED CONICAL FELT** - Diameter x Length x Spindle Diameter x Density

**MOUNTED BULLNOSE FELT** - Diameter x Length x Spindle Diameter x Density

**UNMOUNTED RING FELT/TAPER** - Length x Large Diameter x Small Diameter x Centre Hole x Density

**MOUNTED RING FELT** - Length x Density

**BEVEL WHEEL** - Diameter x Width, Hardened or Unhardened

**KNIFE EDGE WHEEL** - Diameter x Width, Hardened or Unhardened



## LOOSEFOLD POLISHING MOPS

### Sold Individually

Polishing aluminium, stainless steel, brass, copper, gold and silver nearly always require mops and compounds to create a mirror shine.



SOFTTEST - HARDEST

POLISHING

**WFC** - Very hard. Fast cutting polishing mop. Good for making rigid abrasive scurfs.

**Bronco** - Hard (yellow) Fast cutting mop where more flexibility is required. Soft feel for finishing. Makes a good abrasive scurf with some flexibility. A good one operation mop.

**B** - Medium/Hard. Good cutting mop for non-ferrous metals. Makes a good scurf – more flexible than 6G, especially in narrower sizes.

**G** - Most popular Medium, general purpose finishing mop with finishing compounds. Good for rougeing where little cut is required.

**WDR** - Soft. A raised one-sided lint finish mop, excellent for silver rouge finishing. Brush free finish if used at correct peripheral speed. Most popular.

**WHR** - Soft Swansdown. An all round finishing mop for all metals. A must for precious metals.

**Reflex** - Soft rougeing mop for finishing gold and especially silver – no rouge burn into silver.

### LOOSEFOLD POLISHING MOPS

SIZE	WFC	BRONCO	B	G	WDR	WHR	REFLEX
3 x 1 1/2"	✓	✓	✓	✓	✓	✓	✓
3 x 1"	✓	✓	✓	✓	✓	✓	✓
3 x 1.1/2"	✓	✓	✓	✓	✓	✓	✓
3 x 2"	✓	✓	✓	✓	✓	✓	✓
4 x 1 1/2"	✓	✓	✓	✓	✓	✓	✓
4 x 1"	✓	✓	✓	✓	✓	✓	✓
4 x 1.1/2"	✓	✓	✓	✓	✓	✓	✓
4 x 2"	✓	✓	✓	✓	✓	✓	✓
6 x 1 1/2"	✓	✓	✓	✓	✓	✓	✓
6 x 1"	✓	✓	✓	✓	✓	✓	✓
6 x 1.1/2"	✓	✓	✓	✓	✓	✓	✓
6 x 2"	✓	✓	✓	✓	✓	✓	✓
8 x 1 1/2"	✓	✓	✓	✓	✓	✓	✓
8 x 1"	✓	✓	✓	✓	✓	✓	✓
8 x 1.1/2"	✓	✓	✓	✓	✓	✓	✓
8 x 2"	✓	✓	✓	✓	✓	✓	✓
10 x 1 1/2"	✓	✓	✓	✓	✓	✓	✓
10 x 1"	✓	✓	✓	✓	✓	✓	✓
10 x 1.1/2"	✓	✓	✓	✓	✓	✓	✓
10 x 2"	✓	✓	✓	✓	✓	✓	✓
12 x 1 1/2"	✓	✓	✓	✓	✓	✓	✓
12 x 1"	✓	✓	✓	✓	✓	✓	✓
12 x 1.1/2"	✓	✓	✓	✓	✓	✓	✓
12 x 2"	✓	✓	✓	✓	✓	✓	✓

ORDER REF - MOPL(DIMENSIONS)-GRADE

### MOP DRESSER

For combing the surface of a new mop or buff to produce a soft down-like surface. Also used for cleaning mops to remove surplus compound and to ensure true running. Can also be used for renovating emery bands. Supplied with a double handle.

**Sold Individually**



### MOP DRESSER

Length x Width	Brush Length	Rows	Wire Length	
14 x 1.3/4"	4"	5	1"	✓

ORDER REF - WOODH-MOPDRESSER



## STITCHED MOPS (STANDARD RANGE)

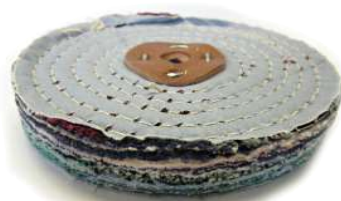
### Sold Individually

#### NOTES:

- 1) Each section is approximately 1/2" thick.
- 2) Close stitch – 1/4" spacing between stitching
  - Very close stitch – 3/16" between stitching
  - Open stitch – 1/2" between stitching
- 3) Loosefold mops can be stitched if required
- 4) Other sizes on request.



**IMPREGNATIONS FOR SISALS-**  
Blue (Hard)  
Orange (Medium)  
OY/Tacky (Medium)  
Green (Med/Soft)



### COLOURED MOPS

Slightly harder than white stitched mops.

COLOURED	
SIZE	
3" x 1 sec	✓
3" x 2 sec	✓
3" x 3 sec	✓
3" x 4 sec	✓
4" x 1 sec	✓
4" x 2 sec	✓
4" x 3 sec	✓
4" x 4 sec	✓
6" x 1 sec	✓
6" x 2 sec	✓
6" x 3 sec	✓
6" x 4 sec	✓
8" x 1 sec	✓
8" x 2 sec	✓
8" x 3 sec	✓
8" x 4 sec	✓
10" x 1 sec	✓
10" x 2 sec	✓
10" x 3 sec	✓
10" x 4 sec	✓
ORDER REF - MOPCM	



### WHITE STITCHED MOPS

Most popular mops, for cut and colour

WHITE STITCHED	
SIZE	
3" x 1 sec	✓
3" x 2 sec	✓
3" x 3 sec	✓
3" x 4 sec	✓
4" x 1 sec	✓
4" x 2 sec	✓
4" x 3 sec	✓
4" x 4 sec	✓
6" x 1 sec	✓
6" x 2 sec	✓
6" x 3 sec	✓
6" x 4 sec	✓
8" x 1 sec	✓
8" x 2 sec	✓
8" x 3 sec	✓
8" x 4 sec	✓
10" x 1 sec	✓
10" x 2 sec	✓
10" x 3 sec	✓
10" x 4 sec	✓
12" x 1 sec	✓
12" x 2 sec	✓
12" x 3 sec	✓
12" x 4 sec	✓
ORDER REF - MOPWM	



### DRY SISAL MOPS

Used first with cutting compound for flattening pre polishing

DRY SISAL	
SIZE	
3" x 1 sec	✓
3" x 2 sec	✓
3" x 3 sec	✓
3" x 4 sec	✓
4" x 1 sec	✓
4" x 2 sec	✓
4" x 3 sec	✓
4" x 4 sec	✓
6" x 1 sec	✓
6" x 2 sec	✓
6" x 3 sec	✓
6" x 4 sec	✓
8" x 1 sec	✓
8" x 2 sec	✓
8" x 3 sec	✓
8" x 4 sec	✓
10" x 1 sec	✓
10" x 2 sec	✓
10" x 3 sec	✓
10" x 4 sec	✓
12" x 1 sec	✓
12" x 2 sec	✓
12" x 3 sec	✓
12" x 4 sec	✓
ORDER REF - MOPDS	

## AIR FLOW MOPS

### Sold Individually

For use with a taper spindle. Airflow mops allow air circulation into the mop giving a natural cooling effect – They are designed for use on Plastic (including resin) and other temperature sensitive materials. Perfect for Plastic and Veneer polishing. The Flaps in the Cloth Wheel cool the polishing surface and reduce heat caused by friction. So there is less danger of melting the component. Each grade of mop can be supplied in different densities, i.e. hard calico, medium density, can be manufactured with more tucks of material, producing a more dense mop face. Or similarly, with less tucks than the medium density, producing a softer flexible mop face.

**5% price reduction for Soft Density (0J),  
10% price increase for Hard Density (4J)**

Each section is approximately 1/2" wide, except for Swansdown sections, which are approximately 5/8" wide. We also supply single bias sisal or single calico sections, treated or untreated – centre plates and end plates – for use on parallel spindles or automatic buffing machines.

**OJ – Soft Density  
2J – Medium Density  
4J – Hard Density**

POLISHING



AIRFLOW BUFFS			
SIZE	HARD CALICO	SOFT CALICO	SWANSDOWN
	No.1	No.2	
8" x 1 sec	✓	✓	✓
8" x 2 sec	✓	✓	✓
8" x 3 sec	✓	✓	✓
8" x 4 sec	✓	✓	✓
10" x 1 sec	✓	✓	✓
10" x 2 sec	✓	✓	✓
10" x 3 sec	✓	✓	✓
10" x 4 sec	✓	✓	✓
12" x 1 sec	✓	✓	✓
12" x 2 sec	✓	✓	✓
12" x 3 sec	✓	✓	✓
12" x 4 sec	✓	✓	✓
ORDER REF - MOPAM			

## SMALL STITCHED DOLLIE MOPS

Excellent quality, tight stitched dollie mops. Ideal for use with M17 or M32 tapered mandrels.

### Sold Individually



DOLLIE MOPS			
Material	Diameter	Width	
Dry Sisal	1"	3/4"	✓
	1.1/2"	1/2"	✓
	1.1/2"	1"	✓
	2"	1/2"	✓
	2"	1"	✓
	2.1/2"	3/4"	✓
	3"	3/4"	✓
Hard Calico (WFC)	1"	1"	✓
	1.1/2"	1"	✓
Medium Calico (G) or Soft Calico (WDR)	1"	1"	✓
	1.1/2"	1/2"	✓
	1.1/2"	1"	✓
	2"	1"	✓
ORDER REF - DOL(SIZE)-(MATERIAL)			

### WOOL MOPS

Final finishing with Rouge – suggested for jewellery – silver – all large precious metal objects.  
Greasy compounds recommended for best mop adherence

**Sold Individually**



WOOL MOPS		
SIZE		
Diameter	Face Width	
125mm	25mm	✓
125mm	50mm	✓
150mm	25mm	✓
150mm	50mm	✓
190mm	63mm	✓
With Wooden 2-stage C/H for taper spindle		
ORDER REF - WOOLMOP		

### BASIL MOPS

A final finishing mop used with rouge compositions, to leave a lustre finish, free from compound surface contamination. Especially good for finishing some precious metals, chromium plate, brass and bronze.

Sizes available are:

Diameter: 4", 6" and 8"

Thickness: 1/4", 1/2", 3/4", 1", 1.1/2"

**Sold Individually**



POLISHING

### CHAMOIS MOPS

100% High quality chamois, leather washered finishing mops. Used for a final gloss finish on precious metals or on glass with rouge.



UNMOUNTED CHAMOIS MOPS		
Size		
4" dia x 16-lap (1/2")		
4" dia x 32-lap (1")		✓
6" dia x 16-lap (1/2")		✓
6" dia x 32-lap (1")		✓
ORDER REF - MOPCHAMOIS		

### BLACK BRISTLE END/PENCIL BRUSHES

Used with a taper spindle on a polishing motor.

**Sold Individually**



END PENCIL BRUSHES		
Ref.	No of Knots	
BW-EPB-02	2	
BW-EPB-03	3	✓
BW-EPB-09	9	✓
ORDER REF - BW-EPB (No)		

### SOFT BRISTLE THUMB WHEEL

Hand tool.

**Sold Individually**



SOFT BRISTLE THUMB WHEEL			
Ref.	Brush Dia. (mm)	Overall Length (mm)	✓
BW-TW-374	28	150	
ORDER REF - BW-TW-374			



## BLACK BRISTLE WHEELS (PLASTIC CENTRE)

Many other sizes and types available, please contact us for more details.

**Sold in Packs of 10**



### PLASTIC CENTRE BRISTLE WHEELS

Ref.	Diameter (mm)	Rows	Hardness	
P021	57	3C	Ex.Stiff	✓
BR40	67	4C	Stiff	✓
BR23	70	2C	Stiff	✓
P006	80	4C	Ex.Stiff	✓
P004	80	4S	Ex.Stiff	✓

Rows: C = Converging, S = Straight

**ORDER REF - BW-BBP-(REF)**

## BLACK BRISTLE WHEELS (WOODEN CENTRE)

Black bristle wheels with a wooden centre

**Sold Individually**



### WOODEN CENTRE BRISTLE WHEELS

Ref.	Diameter (mm)	Hub Dia. (mm)	Rows	Hardness	
BBW-60/40	60	40	4C	Stiff	✓
BBW-80/50	80	50	4C	Ex.Stiff	✓
BBW-90/50	90	50	4C	Ex.Stiff	✓
BBW-100/60	100	60	4C	Ex.Stiff	✓

Rows: C = Converging

**ORDER REF - BW-BBW(SIZE)**

POLISHING

## PENNY WHEELS

49mm metal or plastic centred penny wheels.

**Sold Individually**



### PENNY WHEELS

Ref.	Hardness	
BW-PW-Bristle	Hard	✓
BW-PW-Horsehair	Med/Hard	✓
BW-PW-Goathair	Soft	✓
(With Plastic Insert)		✓

**ORDER REF - BW-PW(MATERIAL)**

## BLACK BRISTLE DOMED CUP BRUSHES

**Sold Individually**



### DOMED CUP BRUSHES

Ref.	Brush Dia. (mm)	Stock Dia. (mm)	Overall Length (mm)	
BW-BBDOME-30P	30	14	62	✓
BW-BBDOME-35P	35	14	62	✓
BW-BBDOME-40	40	18	70	✓
BW-BBDOME-50	50	25	82	✓
BW-BBDOME-60	60	32	92	✓
BW-BBDOME-70	70	32	96	✓
BW-BBDOME-80	80	35	100	✓

**ORDER REF - BW-BBDOME (No)**



## COMPOUNDS, PASTES & SPRAYS

P118-121 - PRECISION POLISHING  
P122-125 - GENERAL PURPOSE  
P126-132 - LEA, GRAINLOCK



## Compounds

It is essential to choose the right compound for the job, whilst also understanding the best speed to run them. Our compound range contains the abrasive that does all the work. We stock various grades of compound to suit a multitude of applications.

For large scale, heavy duty applications such as fabrication we stock a range of solid bar compounds as well as sateen, grainlock and plastibrade. We can offer advice on making up scurfs using these materials with our mops. Also pertinent is belt lubricant, lubar and clear laquer.

For precision engineers and mould tool makers we have a variety of pastes including diamond, algalox and simichrome. We stock Clover and Ultralap as well as other newer variations on these such as Ultrapaste and Super Alloy which are made here in the UK to very exacting standards.

For jewellers and those seeking an ultra high mirror finish we stock Menzerna compound as well as FF9 and FF11, renowned for its excellent finishing properties. You can also find more traditional rouges and tripoli.

See this section also for workshop essentials including lapping fluid, solvent cleaner and mould protection spray. We can offer lump pumice as well as powders including pumice, cerium oxide and vienna lime (this being a great final step in polishing for removing polishing residue and haze).



# DIAMOND COMPOUND & LAPPING FLUID

## DIAMOND COMPOUND

Our Diamond Compounds have been formulated using a blend of high quality green and user-friendly chemicals to produce a stable, reliable product. Our Diamond compound is produced to provide guaranteed consistent results time after time.

**Sold in 5g, 10g or 20g Syringes**

**20g Syringes offer better value for money**



5g & 10g DIAMOND COMPOUND SYRINGES							
MICRON SIZE	COLOUR	MEDIUM			HIGH		
		5gm Syringe	10gm Syringe	20gm Syringe	5gm Syringe	10gm Syringe	
(1/10)	Grey	✓	✓	✓	X	X	<div> <div>FINE</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div>COARSE</div> </div>
(1/4)	Grey	✓	✓	✓	X	X	
1	Blue	✓	✓	✓	✓	✓	
2	Pink	✓	✓	✓	✓	✓	
3	Green	✓	✓	✓	✓	✓	
6	Yellow	✓	✓	✓	✓	✓	
10	Red	✓	✓	✓	✓	✓	
16	Brown	✓	✓	✓	✓	✓	
25	Mahogany	✓	✓	✓	✓	✓	
45	Purple	✓	✓	✓	✓	✓	
60	Orange	✓	✓	✓	✓	✓	
90	White	✓	✓	✓	✓	✓	
ORDER REF - DCAS					ORDER REF - DCH		

COMPOUNDS



Available in 2 concentrations:

**MEDIUM:** Low cost, high quality diamond compound. Oil & water miscible.

**HIGH:** Highly graded diamond giving a more even surface finish. Oil & water miscible.

## LIQUID DIAMOND COMPOUND

Use with a 250ml spray bottle which we can supply for £1.50 each.

\*Shake vigorously to combine especially before using.

**Sold in 100g Bottle**



## LAPPING FLUID

Improves diamond cutting by adding necessary lubrication and prevents lap loading and drying out.

**Sold in 5L, 1L or 250ml (Refillable) Pump Spray**

DIAMOND SPRAY	
MICRON SIZES	
1/10 - 1/4 - 1/2	✓
1 - 3 - 6 - 10	✓
16 - 25 - 45	✓
ORDER REF - AD(MICRON SIZE)	

LAPPING FLUID	
5 Litre Container	✓
1 Litre Container	✓
250ml Pump Spray (refillable)	✓
ORDER REF - LF	

## ALGALOX ALUMINIUM POLISHING PASTE

A specialist white polishing paste for non-ferrous metals (especially good on aluminium). This paste is very evenly graded in aluminium oxide making it a perfect polishing paste, giving a very clean finish.

**Sold in 20g Syringe**



### ALGALOX PASTE

GRADE	20g Syringe
1 Micron	✓
3 Micron	✓
6 Micron	✓
9 Micron	✓
15 Micron	✓
30 Micron	✓

ORDER REF - ALGALOX-(MICRON SIZE)

## MICRO-GLOSS LIQUID ABRASIVE

A polish and cleaner for Polycarbonate, Gelcoat, Vinyl Coatings, Plastics etc. Water based formulation that contains an abrasive crystal in micron gradings. Use after 12000 Micro-Mesh as a final step to add lustre. Micro-gloss 5 will remove scratches up to 9 micron in depth, this should be followed by Micro-gloss 1. Dampen surfaces prior to application. Can be used by hand or with a lambswool Tuf-Buf.



### MICRO-GLOSS LIQUID ABRASIVE

Bottle Size	Micron Size	
	1 Micron	5 Micron
1 Oz	£3.04	X
2 Oz	£5.67	✓
4 Oz	£7.00	✓
8 Oz	£11.52	✓
1 Gallon	£115.36	X

ORDER REF - MICROMESHGLOSS

## FINAL FINISH CONDITIONER

Vinyl conditioner combining high quality Carnuba wax and soft cutting liquid abrasive. Keeps vinyl supple and conditioned. Use after the Micro-gloss stages.



### FINAL FINISH CONDITIONER

Bottle Size	
2 Oz	✓
4 Oz	✓
8 Oz	✓
1 Gallon	✓

ORDER REF - MICROMESHFINALFINISH

## MICRO-FINISH

A polish that brightens, use as a final finish! Removes any residual haze.



### MICRO-FINISH POLISH

Bottle Size	
2 Oz	✓
4 Oz	✓
8 Oz	✓

ORDER REF - MICROMESH-MICROFINISH

## MOLERODA PASTE

Swiss abrasive paste for lapping & polishing. For fast stock removal and super finishing, this tough & versatile paste is available in 9 grades. Please contact for availability and grades.





## SOLVENT SPRAY CLEANER

General purpose – Non-chlorinated  
'Moleroda' Solvent Cleaner combines the strength of a powerful degreasing agent with the benefits of aerosol application. Contaminates such as oil, grease, wax etc. are readily removed with minimum solvent wastage.

### BENEFITS:

Strong solvent action, non-conductive, fast evaporation.

**Sold in 400ml Can or 5 Litre Drum**



SOLVENT CLEANER	
QUANTITY	
400ml can:	✓
5 ltr drum:	✓
ORDER REF - LF	

## ANTI-CORROSIVE MOULD PROTECTION

GREEN (with dye) or CLEAR

Grease and Silicon Free

Protection against rust and moisture attack.

It is suitable for the plastics and rubber industry for long or short term storage of mould tools. On general moulding, Mould Protection Spray will be removed during the first few shots. For non-moulding or quick removal, use 'Moleroda' Solvent Cleaner.

**Sold in 400ml Can**



MOULD PROTECTION SPRAY	
QUANTITY	
400ml can:	✓
ORDER REF - LFMOULDPROTECT	

## CLOVER COMPOUND

Recommended for lapping and polishing of hardened steels. Made from accurately graded abrasive grain suspended in petroleum grease mix carrier.

Supplied in 1 lb. Cans.

**Sold in (approx) 450g Can**



CLOVER COMPOUND				
GRADE	GRIT	ABRASIVE	RECOMMENDED USE	
CCG	80	Silicon Carbide	Very Coarse - fastest metal removal	✓
CCB	240		Medium- good metal removal	✓
CC2A	400		Fine - fine polishing & lapping	✓
CC4A	600		Very Fine - fine polishing & lapping	✓
CC5A	800		Very Very Fine- for optical polishing	✓
CC7A	1200		Ultrafine- high precision lapping & polishing	✓
ORDER REF - CLOVER				

## ULTRAPASTE

Ultra Lapping Paste is an excellent quality abrasive paste compound made here in the UK. Polishing pastes are ideal for lapping and polishing hardened steels, chrome, soft non-ferrous metals and hard alloys. Comparable to both Ultralap and Clover Compound. However being made in the UK it is quicker to supply and is a very attractive price. Available 500g tubs.



ULTRAPASTE COMPOUND			
GRIT	ABRASIVE	RECOMMENDED USE	
120, 240	Silicon Carbide	Coarse, fast stock removal. For roughing tools, dies, moulds.	✓
320, 400		Preparatory finish for tool steels and hard alloys.	✓
500, 600		Scratch-free, dull finish on all hard metals.	✓
800		Semi-finish on tool, chrome and stainless steels.	✓
1000		Fast, high lustre on tool, chrome and nitrided steels.	✓
1200		For high polish precision parts.	✓
ORDER REF - ULTRAPASTE			

## ULTRALAP

A premium quality, ready-mix abrasive compound for finishing and polishing all types of steels, chrome, soft non-ferrous metals and hard alloys. Supplied in Tubs.

**Sold in (approx) 450g Tub**



ULTRALAP COMPOUND				
GRADE	GRIT	HARDNESS/ABRASIVE	RECOMMENDED USE	
ULB400	400	Soft	Semi-finish for soft steel and non-ferrous metals.	✓
ULC120	120	Hard Silicon Carbide	Coarse, fast stock removal. For roughing tools, dies, moulds.	✓
ULC200	220			
ULC300	320	Hard Silicon Carbide	Preparatory finish for tool steels and hard alloys.	✓
ULC400	400			
ULC600	600	Hard Silicon Carbide	Scratch-free, dull finish on all hard metals.	✓
ULH500	500	Hard, Sharp Aluminium Oxide	Semi-finish on tool, chrome and stainless steels.	✓
ULH900	900	Hard, Sharp Aluminium Oxide	Fast, high lustre on tool, chrome and nitrided steels.	✓
ULH3000	3000	Hard, Sharp Aluminium Oxide	For high polish precision parts. Less than 1 micron finish.	✓ (2 oz. Tube)
ULLA	Levigated Alumina	Soft, Fine Alumina	Super fine, high polish for precision parts.	✓
ORDER REF - ULTRALAP				

## MOLERODA SUPER ALLOY/CHROME POLISH

For non ferrous metals such as Aluminium, Brass etc. Animal Tissue Free. Much cheaper alternative to Simichrome.

**Sold in 250ml Tubs**



**We would recommend trying our new 'Moleroda Super Chrome Polish'. A much cheaper alternative and UK made.**

### SUPER CHROME/ SUPER ALLOY

#### QUANTITY

**250 ml Tub**

✓

**ORDER REF - COMPSUPER**

## SIMICHROME

Excellent polish for removing tarnish from moulds. Brings out the high lustre of metals, removing the 'haze' often left after final diamond polish. Can be applied with felt bobs, buffing wheels or by hand using a soft cloth.



### SIMICHROME

#### QUANTITY

**125gm Tube:**

✓

**1250gm Can:**

✓

**ORDER REF - SIMICHROME**

## COMPOUNDS

### MOLERODA RR3 COMPOUND

A high gloss, ultra fine finishing paste. Useful on a wide range of materials metal and otherwise. Use either with a very soft loosefold mop or with a blue lint free cloth.

**Sold in 500ml bottles (UK Made)**



### RR3 COMPOUND

#### QUANTITY

**500 ml Bottle**

✓

**ORDER REF - COMPRR3**

## MAXFIN MARINE

Rapid cut compound available in 1000 and 2000 grit. Designed for marine hulls, however it is ideal for polyester gel-coats, acrylics, primed surfaces and urethane paints. It will remove fine scratches from previous sanding stages leaving a swirl free, deep gloss finish. Applied sparingly to the surface with a soft cloth or brush then buffed with a lambswool pad or other soft mop. Max recommended speed is 25,000rpm

**Sold in 500ml Bottles**



### MARINE MAXFIN COMPOUND

**500ml Bottle**

**MARINE M1000**

✓

**MARINE M2000**

✓

**ORDER REF - COMPMARINEM**

## PUMICE POWDER

A powder which is mixed with water to form a paste for scratch removal on glass, normally before cerium oxide.

**Sold Per Kg**



PUMICE POWDER	
All Grades	
per kg	✓
per 22.68 kg Bag	✓
ORDER REF - PUMICEPOWDER	

## LUMP PUMICE

Used for cleaning polishing buffs of old components. Degreasing satene mops of bobbing grease. Dressing satene mops and felt bobs.

**Sold Per Kg**



LUMP PUMICE	
Grade: BRMP	
per kg	✓
ORDER REF - PUMICELUMP	

## CERIUM OXIDE

A refined peach powder, with no sharp edges, fast acting scratch removal. An abrasive for polishing of flat glass and crystal. Mix with water into a paste – use with felt, chamois and basil mops.

**Sold Per Kg**



CERIUM OXIDE	
per kg	✓
ORDER REF - COMPCERIUMOX	

## VIENNA LIME

Used for removing polishing compound residues. To do so, simply coat a soft cloth in dry lime and gently wipe over the polished item. Can also be used to bring up extra colour on Stainless Steel. Sprinkle lime on the steel and polish with a Swansdown mop. Do not use vienna lime wet.

**Sold Per Kg**



VIENNA LIME			
Grade:	up to	25 kg	50 kg
Fine	10 kg		
per kg	✓	✓	✓
ORDER REF - LIME			
LINT FREE CLOTH			
Individually		✓	
ORDER REF - POLISHINGCLOTHS			

## LUBAR/TALLOW (BOBBING GREASE)

Medium/hard grease bar. Lubricant for use with Plastibrade, set-up wheels etc. Plus hot metal spinning

**Sold Per Bar  
(32 Cups Per Box)**



LUBAR		
Grade	Average	
	Cup Weight	
Lubar	0.5kg	✓
ORDER REF - COMPLUBAR		



## ANTOX 71E-PICKLING PASTE

Free from hydrochloric acid and chlorides. Economical in use – Simple applications

**APPLICATION:** To remove local oxide scale formations from welding seams and heat affected areas of stainless steel fabrications.

**USE:** Approximately 2 kg of 71E is sufficient to treat 80-150 metres of weld seam 5cm wide.

**METHOD:** The creamy consistency enables simple application with a metal-free brush. Reaction time is from 15-60 minutes, dependent on type and amount of scale.

**NEUTRALISING:** Wash off thoroughly with water, using a stiff brush.

**DESCRIPTION:** An opaque paste containing hydrofluoric and nitric acids.

**Sold in 2KG Containers**



ANTOX	
QUANTITY	
2kg Container	✓
ORDER REF - METINOX	



## ARECAL CLEAR LACQUER

Stainless steel, aluminium, chrome, and paint. Clear lacquer for all surfaces. Seals and protects surfaces. Elasticated. CFC Free.

**Sold in 400ml Cans**



ARECAL CLEAR LACQUER	
QUANTITY	
Clear Lacquer 400ml	✓
ORDER REF - RECASPRAY-CLEAR	

## AEROSOL BELT LUBRICANT

\*NOT CFC FREE

For use on ferrous metals.

Finishing belt coolant.

Helps to keep belts cleaner with lower grinding temperature, prolonging belt life.

**Sold in 500ml Cans**



BELT LUBRICANT SPRAY	
QUANTITY	
500ml Can	✓
ORDER REF - BELTSPRAY	

## TAP MAGIC

Professional quality cutting fluid for Aluminium. Apply as needed to maintain lubrication between cutting tools and a work piece. Dramatically improves surface finish and increases tool life. For drilling, milling, reaming, threading, boring, turning, engraving, broaching, sawing, tapping etc..



TAPMAGIC	
Bottle Size	
16 Oz	✓
ORDER REF - MIC-TAPMAGIC	

## WINBRIGHT

Professional strength plastic cleaner with Micro-brightener. Leaves surfaces clear and clean - optical clarity improves with extended use. Leaves no residue or build-up. Developed for plastics including, aircraft windows, motorcycle windscreens, boats (including Gelcoat) and Vinyl surfaces. Rinse surface with water before use. Removes surface dirt, wax, stains and finger prints.



WINBRIGHT SPRAY	
Bottle Size	
8 Oz	✓
ORDER REF - MIC-WINBRIGHT	

## BUG BLASTER

Cleaner for windows and wings. Dissolves and removes bug residue without scrubbing. Safe on plexiglass, acrylic, clear coat, polyurethane paints, polished aluminium etc. Ideal for aircraft, motorbikes, classic cars etc.



BUG BLASTER SPRAY	
Bottle Size	
8 Oz	✓
32 Oz	✓
ORDER REF - MIC-BUGBLASTER	

## ANTI-STATIC CREAM

A compound that protects surfaces and removes static charges that cause dirt and dust to collect on newly polished surfaces. Particularly useful with plastics.



ANTI-STATIC CREAM	
Bottle Size	
2 Oz	✓
8 Oz	✓
1 Gallon	✓
ORDER REF - MICROMESH-ANTISTATIC	

## MEDIMAX

### BOVINE & ANIMAL TISSUE FREE COMPOUNDS

Widely used in the orthopedic implant, surgical tool and pharmaceutical fabrication industries. Also used in Food processing, veterinary, dairy and brewing industries to conform with strict guidelines and EU directives.

Other compounds are also available including finishing grease.



MEDIMAX RANGE			
Stage	Recommended Compound	Description	
1st Stage	<b>Plastibrade Red (120 grit) 9KG</b>	Fast drying liquid abrasive for deburring & satin finishing. Used on mops or felt bobs.	✓
Cutting	<b>Abracut</b>	Hard aggressive polish, medium greasy.	✓
Polishing	<b>Medimax White</b>	Finishing bar with good cut for Stainless	✓
	<b>Medimax Pink</b>	Finishing compound for Stainless	✓
	<b>Medimax Green</b>	High gloss, soft auto compound	✓
ORDER REF - COMP(PLASTIBRADE/ABRACUT/MEDIMAX)			

## MINI LEA POLISHING COMPOUNDS

4 x 1" Bars

Smaller size compound bars from LEA, Ideal for hobbyists, sampling compound etc  
**Sold Per Bar**



4 X 1" BARS

✓

ORDER REF - COMP41

### NON-FERROUS METALS

Blue and Brown bars for metals such as aluminium and brass  
Brown- 1st stage Cutting & flattening bar  
Blue- for the perfect mirror finish



### FERROUS METALS

Pink & Black bars for metals such as stainless steel  
Black- 1st stage Cutting & flattening bar  
Pink- for the perfect mirror finish



### PLASTICS, VENEERS & SYNTHETICS

Buff and Brown bars for materials such as Resin and plastics  
Brown-1st stage Cutting & flattening bar  
Buff- for the perfect final finish



### PRECIOUS METALS



Brown & Red bars for metals such as gold and silver  
Brown- 1st stage Cutting & flattening bar  
Rouge- for the perfect mirror finish



\*Mini Compounds are not included in the Medimax range and may contain animal tissue.

## LEA COMPOUNDS FOR FERROUS METAL

Such as Steel, Stainless Steel etc...

FERROUS METAL POLISHING COMPOUND - 8 X 2 X 2"				
PROCESS	SUGGESTED MOPS	RECOMMENDED COMPOUNDS	COMPOUND INFORMATION	
1st STAGE Removing Deep Marks & Lines	Felt wheel or WFC mop (White Stitch Mops)	Grainlock and Aloxite (Making a Scurf) See Page 131	 	
2nd STAGE Producing a Sateen finish & removing light lines	Felt wheel or WFC mop (White Stitch Mops)	Lea Satene Compounds See Page 130		
3rd STAGE Cut and Flattening - Removing of lines and marks	Impregnated Sisals	Abracut	Grey - Very Coarse Alumina, The highest cut compound for Ferrous metals	✓
		Senior (4040)	Grey - Greasier and coarser than 2464. High cutting	✓
		3050/ Ferrocut	Grey - Matt finish. Slightly Greasy.	✓
		Titan	Grey - Good surface levelling qualities on mild steel prior to nickel or chrome plating.	✓
4th STAGE Cut and Colour - Leaving a reasonable finish	Impregnated Sisals and Dry Sisals	2755/ Brillmax	Yellow - Good General purpose	✓
		2000D/ Hero	Green - A one operation bar, cut and high colour. Less Greasy than other bars.	✓
		2464/ Abramax	Grey - An all rounder on Ferrous metals	✓
		Midas	Yellow - Good cut and colour and leaves a good clean finish.	✓
5th STAGE Finishing - Polish to a mirror finish	White Stitched Mops All Loose Fold Mops	FF9/ Mirrormax	White - The ultimate finishing bar. Exceptional high colour & depth, extra fine finish.	✓
		309BX Chromax/Jupiter	White - Is slightly less greasy and good finish clarity.	✓
		Sunblue	Blue - Fine scratch finish on ferrous and non-ferrous metals. Blue finish grade.	✓
		2000D/ Hero	Green - A one operation bar, cut and high colour. Less Greasy than other bars.	✓
ORDER REF - COMP(NAME) e.g COMP2000D				

COMPOUNDS

## MENZERNA COMPOUNDS

Menzerna is a high quality, extremely clean compound manufactured in Europe. It is very popular across all polishing industries.



Full bars are 1.2kg  
Half bars are 600g

MENZERNA COMPOUNDS			
PROCESS	TYPE	COMPOUND INFORMATION	
<b>Cutting</b>	<b>456G</b>	Grey - 600g half bar - greasy, pre-polishing compound, ideal for harder metals such as Platinum and Steel	Half Bar ✓
<b>Super Finishing</b>	<b>P175</b>	Yellow - a high class scratch free mirror finish, used as a final finish on all metals, plastics and lacquers. Gloss 9/10 Abrasive 2/10	Full Bar ✓ Half Bar ✓
	<b>M5</b>	White - Slightly better, drier finish than P175. For a gloss finish on all metals including Titanium, Platinum and Palladium. Gloss 10/10 Abrasive 1/10	Full Bar ✓ Half Bar ✓
ORDER REF - COMPMENZ-(TYPE)			



# NON FERROUS METAL & SYNTHETIC/PLASTIC POLISHING



## LEA COMPOUNDS FOR NON-FERROUS METAL

Such as Aluminium, Brass, Copper, Bronze etc..



NON - FERROUS METAL POLISHING COMPOUND - 8 X 2 X 2"				
PROCESS	SUGGESTED MOPS	RECOMMENDED COMPOUNDS	COMPOUND INFORMATION	
Cut (Pre-finish) Removing of lines and marks	Impregnated Sisals Dry Sisals White Stitched Felts	Apollo	Brown - Very good cut and colour (especially on Brass). Fine-lined Finish.	✓
		2468	Brown Very dry, Very good on Aluminium. Good cut & colour with a clean finish.	✓
		2640	Brown - Greasier than 2630, good cut on non-ferrous, especially brass.	✓
Finishing - Polish to a mirror finish	White Stitched Loosefold Felts	FF9/ Mirrormax	White - The ultimate finishing bar. Exceptional high colour & depth, extra fine finish.	✓
		309BX/ Chromax/Jupiter	White - Is slightly less greasy and good finish clarity.	✓
		Sunblue	Blue - Fine scratch finish on ferrous and non-ferrous metals. Blue finish grade.	✓
		2000D/Hero	Green - A one operation bar, cut and high colour. Less Greasy than other bars.	✓
ORDER REF - COMP(NAME) e.g COMPAPOLLO				

## COMPOUNDS

### COMPOUNDS FOR PLASTICS, VENEERS & SYNTHETIC MATERIALS

Including Resins and Acrylic.

Polishing synthetic surfaces, require much lower buff peripheral speeds. A polishing spindle of 1440 rpm, fitted with 12" diameter Airflow Buffs should cause no surface overheating problems. Another important factor to consider – the mop face must be kept scrupulously clean – dry compound or tails of calico will cause marks. If using soft calico Loosefold Mops, use a smaller diameter than the Airflow normally used. An Airflow produces a cooler polishing surface than a Loosefold Mop.



PLASTIC POLISHING COMPOUND - 8 X 2 X 2''				
PROCESS	SUGGESTED MOPS	RECOMMENDED COMPOUNDS	COMPOUND INFORMATION	
Cut (Pre-finish) - Removing of lines and marks	Hard Calico	Matador	Grey - Produces scouring action. Good for removal of machine marks or where bandsawing has taken place. Should not be used on already good surfaces.	✓
		Apollo	Brown - Used for preparing for polishing.	✓
		2640	Brown - Greasier than 2630, used for surface preparation before polishing.	✓
Finishing	Soft Calico Airflow Swansdown	Wax 16	Buff - Fine Cutting and Finishing wax bar. Well lubricated and clean finish.	✓
		Wax 25	Buff - Finishing bar for plastics components, polyesters, lacquers and laminates. Fine & soft abrasive.	✓
ORDER REF - COMP(NAME) e.g COMPWAX16				

PRECIOUS METAL POLISHING COMPOUND				
PROCESS	RECOMMENDED COMPOUNDS	COMPOUND INFORMATION	SUGGESTED MOPS	
Cut (Pre-finish) - Removing of lines and marks	Apollo (Tripoli)	Brown - For surface preparation before polishing on Gold, Silver and other non-ferrous metals	Felts White Stitched Loosefold	✓
	Tripmax (4x1")	Mini version of Apollo - Brown		✓
	Menzerna 456G	600g half bar- Grey and Greasy. Pre-polishing compound, ideal for harder metals such as Platinum		Half Bar ✓
Finishing - Polish to a mirror finish	FF9/ Mirrormax	White - The ultimate finishing bar. Exceptional high colour & depth, extra fine finish. Works well on Platinum.	Felts White Stitched Loosefold	✓
	Rouge compounds	A selection of Rouge Compounds		✓
	Dialux	Range of 5 Types		✓
	Rouge STARMAX	4" x1" bar. Excellent general purpose on precious metals		✓
Super Finishing - Use once a good finish is achieved The cleanest compounds on the Market	Menzerna P175	Yellow- a high class scratch free mirror finish, used as a final finish on all metals, platics and lacquers. Gloss 9/10 Abrasive 2/10	WDR Swansdown Reflex	Full Bar ✓ Small Bar ✓
	Menzerna M5	White- Slightly better, drier finish than P175. For a gloss finish on all metals including Titanium, Platinum and Palladium. Gloss 10/10 Abrasive 1/10		Full Bar ✓ Small Bar ✓
ORDER REF - COMP(NAME) e.g COMPPF9				

## ROUGE COMPOUND

Particularly good for Gold & Silver

Sold Per Bar



ROUGE COMPOUND				
PRODUCT	FINISH DEFINITION	SUGGESTED MOPS	Bar	
			Weight	
REDFIN	Soft, clean finishing rouge for final polishing of precious metals. Excellent colour.	G, Reflex & Swansdown Loosefolds	424 gm	✓
SF ROUGE	Final finish bar for precious metals and brass components. Good depth of colour.		270 gm	✓
AA ROUGE	Dry ultrafine rouge for gold and silver finishing.		400 gm	✓
RADIO ROUGE	Final colouring of non-ferrous materials, for extra brilliance. Ultrafine abrasive for finishing precious metals.		300 gm	✓
RED ADMIRAL	Semi-dry. Superfine. Best on silver plate and solid silver products.		120 gm	✓
ORDER REF - COMP(NAME) e.g COMPREFIN				

COMPOUNDS

## DIALUX COMPOUND

A popular, premium compound made in Europe. Different coloured Rouge bars to suit a full spectrum of metals.

Sold Per Bar



DIALUX COMPOUND		
PRODUCT	DESCRIPTION	
Dialux Bleu (Blue)	Super finishing compound for all metals, especially chrome alloys	✓
Dialux Vert (Green)	Super finishing compound for hard metals (chrome, platinum)	✓
Dialux Rouge (Red)	Super finishing compound for gold and other precious metals	✓
Dialux Black (Black)	Very good for platinum and for palladium. Good on hard metals	✓
Dialux White (White)	Super finishing compound for all metals, especially silver	✓
Dialux Gris (Grey)	Gets deep scratches out. Good on hard metals. Slightly greasy.	
ORDER REF - COMPDIALUX(COLOUR)		

## LEA SATENE COMPOUND

Greaseless abrasive bar compound.

**Sold Per Tube**

**20 Tubes per Carton**



## INSTRUCTIONS FOR MAKING A SATENE & NO.3 ADHESIVE

### No.3 – Description

Glue-based adhesive sizing for improving adhesion of Lea greaseless compound.

### Uses

When objects being buffed have sharp edged, projections or recessed areas, a raking action against the face of the mop may occur and the Lea Compound head wears away prematurely. This raking action can be reduced with the use of AdLEAsive on the mop prior to heading with Lea Compound. Many polishing operations formerly done with set-up wheels and which take a great deal of time to prepare, can be handled more speedily and economically with AdLEAsive and Lea Compound. Heavy abrasive heads are easily applied to the mop and are easy to renew with Lea Compound.

LEA SATENE COMPOUND		
Grade	Abrasive	
A80	80g A/Oxide	✓
A120	120g A/Oxide	✓
A150	150g A/Oxide	✓
A180	180g A/Oxide	✓
A220	220g A/Oxide	✓
A240	240g A/Oxide	✓
A320	320g A/Oxide	✓
S120	120g S/Carbide	✓
AS200	200g A/Oxide & S/Carbide	✓
No.3	Glue Bond	✓
<b>SOLD PER TUBE - 20 TUBES PER CARTON</b>		
<b>ORDER REF - COMPA...</b>		

## Method of Application

- Peel away about 1/2" of the plastic container. Never peel away the complete container.
- Where resiliency of a Lea Compound headed wheel must be retained, AdLEAsive is applied in the same manner as Lea Compound, on a loose muslin or sewn mop. Where harder polishing wheels are to be used, it is advisable to apply AdLEAsive in heavier coatings with the 'start and stop' technique. Such heavier coatings provide a good base for the subsequent more rigid heads of Lea Compound.
- 'Stop and start' method of applying a heavy coating of AdLEAsive. Bring bar of AdLEAsive against the clean surface of the revolving mop and as pressure is applied, the power is switched off. This allows a heavy coating of AdLEAsive to melt and flow onto the surface of the wheel. The polishing spindle is then switched on and off to start drying, with the buff rotating at less than full speed until the sizing coat is no longer sticky to the touch. The total drying time should be two minutes. Repeat the procedure if necessary.
- If resiliency of mopping is required and a light coating of AdLEAsive is applied as in (B), Lea Compound is applied by frictional transfer in the normal manner.
- If a rigid head of Lea Compound is required over the heavy coating of AdLEAsive as applied in (C), the same 'start and stop' method should be used. This procedure makes it possible to build up Lea Compound heads as thick as 3/16", although it is necessary to make a second application of Lea Compound for the thicker coatings, making sure that the 'start and stop' method be followed closely. This procedure of producing and reproducing polishing wheels with Lea Compound and AdLEAsive permits them to be left on the lathe and ready for use in less than 10 minutes total elapsed time.

## Using Proper Type & Size Buff

Generally speaking, the following rules should apply:

Flexible finishing and deburring – soft stitched mops. Satin finishing and mopping – loosefold, usually unstitched mops or string wheels. Heavy polishing – hard stitched mops or felt wheels, which may be pre-heated with AdLEAsive to give improved adhesion of Lea Compound.

Diameters of some mops should be selected to give peripheral speed of 1500 to 6000 surface feet per minute, depending upon the results desired.

## Applying Lea Compound to the Mops:

Press bar against the rotating buff. Switch off the motor and press harder. This procedure may be repeated a number of times to build up a good 'head'. Never run the 'head' of Lea Compound down to the nap of the mop. As the 'cut' decreases, re-head by gently pressing the bar on the wheel. Whilst working, the mop will be warm and the new head will dry quickly.

NOTE: For maximum head retention, "oven" drying is recommended.

## GRAINLOCK COLD CEMENT

### Uses:

**GRAINLOCK HD** – The most widely used cement for all grain sizes up to 240 grit – heavy duty.

**GRAINLOCK CS** – general purpose cement for use with grain sizes 180-320 or finer. Final drying conditions (recommended minimum) are 16 hours at 125°F.

**GRAINLOCK GB** – recommended for the most severe service, essentially for grain sizes 60-150. Final drying conditions (recommended minimum) are 16-20 hours at 150-160°F.

GRAINLOCK COLD CEMENT		
GRADES	HD	CS
25 kg drum	✓	✓
6.5 kg tub	✓	✓
GRADE	GB	
6.5 kg tub	✓	
ORDER REF - GRAINLOCK		

## Method of Application - MAKING A SCURF Heading-up Buffs

- 1) Clean face of wheel, thoroughly removing all traces of grease, glue or foreign matter.
- 2) For best results, a sizing coat is recommended. Brush the sizing into the face of the wheel until it is saturated. Air dry for 1/2 hour then dry at 150°F for one hour. Allow wheel to cool to room temperature before setting up. Sizing penetrates into the face of the wheel, creating a stronger bond for the heads of cement and abrasive which will follow.
- 3) Apply first head of cold cement straight from the container by brushing thoroughly into the face of the wheel. Roll wheel in the abrasive grain. When it has dried sufficiently, add second coat of grain and permit wheel to air dry for 1/2 hour before placing it in a drier for the recommended period.
- 4) Before placing the wheel on the spindle, break up the surface by gently tapping the face of the wheel with a round bar. A well-broken face will aid in cutting.
- 5) NEVER let set-up wheels wear down to the nap, leave a little cushion head when ready for re-setting. This saves time and reduces the amount required for a new sizing coat, as well as leaving the wheel more firm and durable.
- 6) Wheels should be thoroughly dried after setting-up. Drying can be carried out in air for at least 24 hours, or in heated driers. In all cases, free circulation of air is required to give uniform temperature and optimum conditions.

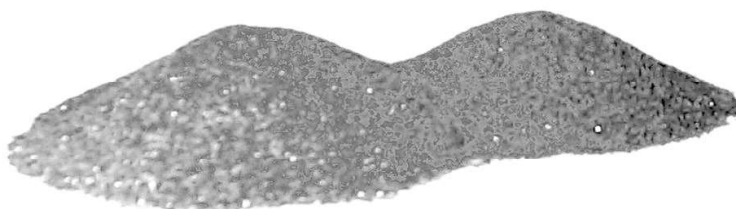


COMPOUNDS

## ALOXITE GRIT

Aloxite grit available in a range of grits. One option for blasting or used with Grainlock cement to make a scurf.

### Sold Per Kg



ALOXITE GRIT	
Weight	
under 5 kg	✓
5 ~ 9 kg	✓
10 ~ 24 kg	✓
Grits available:	
60,90,120,180,240,320	
ORDER REF - ALOXITE	



PLASTIBRADE

Flexible, fast-drying, liquid abrasive.  
Uses: Deburring, polishing and satin finishing. Available in a wide range of grain sizes, usually used on bobs and set-up wheels for scurfing operations.

Method of Application:

Lea Plastibrades are non-flammable, fast drying liquid abrasive compositions for flexible polishing, deburring, etc. on all metals and a wide range of plastics and wood. Plastibrade Red has considerably more flexibility than the standard Plastibrade Grey and should be used for all fine satin finishing or where a low and even micro finish is required.

Lea Plastibrade Grey is available with aluminium oxide abrasives ranging in grit sizes from 60 to 320. Lea Plastibrade Red is available in aluminium oxide and fine powders in grit sizes 120 to 400.

The suggested directions for applying Plastibrade Grey given below need not be taken as hard and fast rules. A number of users have found that modifications to these suggestions render the product more suitable for their particular application and users are encouraged to experiment for maximum efficiency.

Throughout these directions, where sizing is referred to, Plastiglue Sizing should be used with Plastibrade Grey and Plastiglue 9222 with Plastibrade Red. Where however, the maximum flexibility of head is required with fine grit sizes of Plastibrade, it is advisable not to size at all.



PLASTIBRADE		
PACK SIZE	Plastibrade Grey	Plastibrade Grey
	60-220 grit	240 grit & finer
25 kg drum	✓	✓
9 kg tub	✓	✓
PACK SIZE	Plastibrade Red	Plastibrade Red
	120-220 grit	240-320 grit
25 kg drum	✓	✓
9 kg tub	✓	✓
ORDER REF - PLASTIBRADE		

Suggested Directions for use of Plastibrade Grey/Red:

- A: Setting up of polishing wheels or rolls by brushing.
- 1) If other compositions have been used on polishing wheels or rolls, clean off face thoroughly. New wheels will not require any special preparation other than normal 'raking out' with surform file or hacksaw blade.
  - 2) Size wheel or roll with Plastiglue Sizing by brushing it thoroughly until the face is completely saturated. Air dry for 1/2 hour then dry at 150°F for at least 1 hour or until sizing coat is thoroughly dried. Heads may be completely air dried, but will require 6-8 hours.
  - 3) Apply a thin coating of Plastibrade by brushing it thoroughly into the face of the wheel. Plastibrade should be used as it comes from the container. If it is too thick it may be thinned with Plastiglue Sizing to proper consistency.
  - 4) Cutting head of Plastibrade may be built up by applying a second and third coat in the same manner as step (3). Sufficient drying time should be allowed between applications.
  - 5) Permit wheel or roll to air dry for 30 minutes, and then i) force dry for 6-8 hours at 150°F or ii) air dry for a further 24 hours. Air drying may be preferred as this retains greater flexibility in the head.

N.B. Brushes – it is important that the right type of brush is selected. A first quality brush with the bristles set in vulcanite is best. The conventional type of glue brush is unsuitable as the bristles are too coarse and do not allow the operator to brush on the essential smooth head. On larger wheels and rolls, a paint roller will be found to be more convenient. The paint roller should have a cover of man-made fabric, NOT natural wool. Brushes and rollers should be cleaned immediately after use, in warm water.

B: Setting-up of polishing wheels or rolls by spraying.  
The finer grades of Plastibrade may be applied to a new or thoroughly cleaned buff by spraying. Buffing wheels or rolls may be headed up originally and then re-headed on the machine in actual production. Suitably designed spray guns and accessory equipment should be selected and used to apply Plastibrade coating consistently and uniformly. Since a number of variables must be considered in the selection of spray equipment and grade of product, it is advisable to call in a technical representative to discuss spray application.



## TOOLS & EQUIPMENT

- P134-138 - MICROMOTORS
- P139 - ULTRASONIC
- P140-146 - ROTARY TOOLS
- P147-151 - GRINDERS
- P152-153 - MANDRELS
- P154-155 - LINISHERS
- P156-164 - AIR TOOLS & DIPROFIL



Included in the catalogue is a wide range of tooling and equipment that over the years we have learned are the best in the business.

Whether polishing or grinding. By air or electric. Whether large or small components or large or small quantities we have a strong range of tooling and equipment to support your needs.

From the best selling **Eneska 600** micromotor on page 135 to a great range of industrial air grinders on page 157.



## MAXFORCE B150

The Maxforce B150 Micro motor system is for drilling, grinding, sanding, polishing and deburring in jewellery and industrial industries. This unit is very popular in workshops as a good workhorse. This fixed straight hand piece is ideal for any deburring or polishing job. This tool has constant variable speed from 0 to 50,000rpm so ideal for many applications from drilling and deburring jewellery to polishing plastics and resin.

- Variable speed motor from 0 to 50,000 RPM
- High Torque 8.2 N.cm
- 240V
- 200 Watts – High power machine
- Vibration – popular for companies reducing risk of white finger.
- Right and Left Rotation – ideal for deburring and working up to tight edges.
- Comes with a 3mm Collet or 2.35mm (3/32")
- Twist quick collet release for quick and easy tool change. No spanners needed.
- Foot speed control included
- Built in Micro Processor
- Brushless motor



**MAXFORCE B150**



**ORDER REF- SAESHIN/B150/  
FORTE10011P/SET**



**COLLETS**

**1.6MM, 2.35MM,  
1/8" OR 3MM**



**ORDER REF - SAESHIN-102LCOL-(SIZE)**

A **COLLET REDUCER** makes changing between spindle sizes very simple. It fits inside a 3mm collet converting it to take a 2.35mm. **SUITS BOTH THE STRONG & B150.**



**COLLET REDUCER**

**3MM TO 2.35MM**



**REF - SAESHIN/REDUCER3.0/2.35MM**

## STRONG 209

- Speed control up to 35,000 rpm
- Good Torque 280 gf.cm
- 240V—20 Watts
- Comes complete with foot pedal
- Left and right rotation
- Bench tool rest
- Fixed handpiece with 2.35mm collet.
- Options of 1.6mm, 1/8", or 3mm collet sold separately.



**MAXFORCE STRONG**

**FULL SYSTEM**



**ORDER REF - SAESHIN/209A/102LSET**

- The ideal micromotor for small, precise work. Especially suited to jewellery making
- Particularly good for tools measuring up to 10mm, i.e burrs etc



# ENESKA 600

- **Fast speeds** (50,000 RPM) and excellent torque 8,9 N/cm
- **30 % more power** than the 4-1, 280 Watts
- **Less vibration**, 0.01mm deviation from axis
- **Runs quietly**
- **Integrated voltage converter** - 240 - 110v
- **More clamping force**, essential at higher speeds
- **Compatible with URAWA, Eneska and other micromotor systems**
- **Modular System** Full range of hand pieces, angled heads and Diprofil filing heads.



Eneska Kits	
Kit 1	Kit 2
	
1 off ENESKAmicro 600 control box 1 off micromotor – JEM 40R motor with 40,000rpm incl. motor cable 0100002 1 off Straight Handpiece – JIR 40R Rapid Chuck Handpiece 0100005 incl. 3mm collet	1 off ENESKAmicro 600 control box 1 off motor all in one with handpiece – JEM 50C
Order Ref: ENESKA-0011285	Order Ref: ENESKA-0011280

ENESKA HANDPIECES	
JEM 40 R	
	
ENESKA - 100002	
USED WITH BELOW	
JIR 40R	JBMXLH 40R
	
ENESKA-0100005	ENESKA-0100006L

ENESKA HANDPIECES	
JEM 40 R	
	
ENESKA - 100002	
USED WITH BELOW	
JERG2	
	
ENESKA-0100010	
TO UNLOCK BELOW HANDPIECES	
JEHG-20R	JERA 90 20R
	
ENESKA-0100007	ENESKA-0100004
JEAH 60 20R	JMH 20R
	
ENESKA-0100011	ENESKA-0100009
JBS 20R	
	
ENESKA-0100008	

TOOLS & EQUIPMENT

Eneska 600 can be used with existing Eneska 4-1 or 3-2 motors and handpieces, with adaptors.

They will however still be restricted to their recommended RPM.





Brushless micromotor JBM 50 HT

**MOTOR CABLE**  
**JBM 50 HT/EM**  
(0011504)



Rapid-chuck handpiece JEHR 500



Handpiece JEHG 400

**FOOT CONTROLLER**  
(0011002)



Angle handpiece JERA 270



Angle handpiece JEKC 300



Angle handpiece JERA 270 S



Belt grinder JBS 400



**HANDPIECES**

A full range of  
Metric & Imperial  
collets available  
for these  
handpieces



**DIPROFIL** Mini hand-filing machine



Hand-filing machine  
**DIPROFIL** FPT/ER

## URAWA/UHANDY SYSTEM

A range of options for stoning, filing, polishing and high speed rotary work. From the sophisticated ultrasonic system to the lowest cost micromotor system. Ask for our detailed price list showing the integration of all the parts and systems in the URAWA range



## URAWA FIXED HANDPIECE

This is a fixed motor and handpiece that plugs into the control box. This option is simple to use and cost effective.



## BS33 BELT SANDER

Belt speed: 77.7~777m/minute  
Dimensions: L160 x H119mm



## RE35/RE55 RECIPROCATOR

### RE35

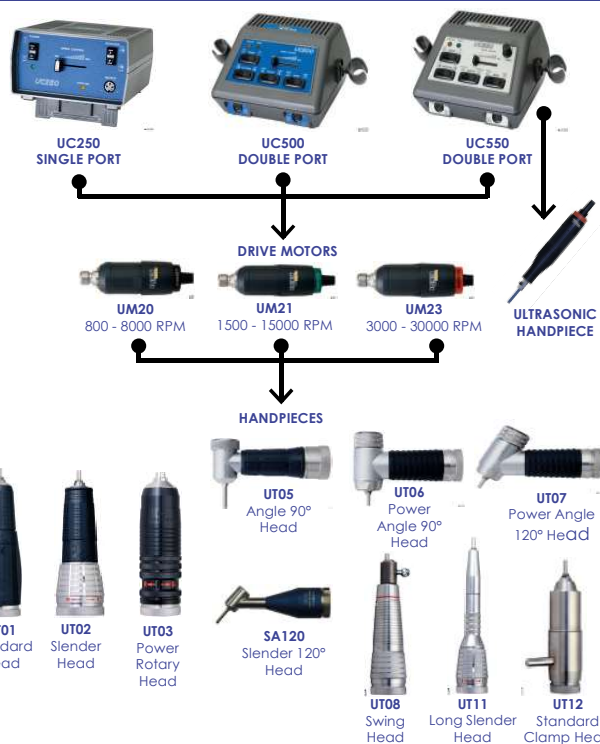
Stroke Length: 0-6mm  
Frequency: 420-4200

### RE55

Stroke Length: 0-2mm  
Frequency: 700-7000



**FOOT CONTROLS - ON/OFF SWITCHES -  
EXTENSION CORD**



URAWA FIXED HANDPIECES			
	UA12A	UA13A	UA14A
RPM	2000- 20000	3500- 35000	4500- 45000
TORQUE	6.5N.CM	5.4N.CM	4.1N.CM
MOUNTED COLLET CHUCK	2.34MM		
INCLUDED COLLET CHUCK	3.00MM		
ORDER REF - UHUA(No)			



## COMPLETE SYSTEM

A popular pairing of control box and fixed handpiece.



## U15 REDUCTION JOINT

- For reducing speed to 1/4
- Up to 30000 RPM allowable speed
- Fits between head and motor



## HM11 HAMMER/ENGRAVING HANDPIECE

- Possible to adjust strokes and power.
- Ideal for stone setting and engraving.
- Particularly for Jewellers.

## FBS240/E PRECISION DRILL/ GRINDER 28472

Very low vibration at tip & very light. Runs from 5,000rpm, ideal for delicate jobs  
Chuck as standard  
Strong permanent magnet motor  
5,000-20,000rpm  
100W  
Keyless chuck (0.3 to 3.2mm)  
Length - 185mm, Weight - 450g  
Complete with 40 accessories



FBS240/E	
28472	✓
ORDER REF - PROXXON-28472	

## IBS/E PROFESSIONAL DRILL/ GRINDER 28481

Quiet powerful motor  
Streamlined head of die-cast aluminium for exact bearing seats and optimal stability  
Runs from 5,000 to 20,000rpm  
100W  
6 collets (1.0, 1.5, 2.0, 2.4, 3.0, 3.2mm)  
Length - 230mm, Weight - 500g  
Complete with 34 accessories



110/P FLEXSHAFT	
28620	✓
ORDER REF - PROXXON-28620	

## PROXXON

## 110/P FLEXI SHAFT 28620

Highly flexible 1m shaft  
Delicate handpiece for precision  
Supplied with collets (1.0, 1.5, 2.0, 2.4, 3.0, 3.2mm) (To fit either drill/grinder)



IB/E	
28481	✓
ORDER REF - PROXXON-28481	

## MAXIMA MICROMOTOR SYSTEM

- 0 - 35,000 RPM Fully variable
- High Torque 85w 420N/CM
- Comes complete with foot control
- Left and right rotation
- Bench tool rest
- Fixed straight handpiece included with twist lock for rapid change of tools
- Comes with 2.35mm collet - other sizes sold separately



MAXIMA COMPLETE SYSTEM	
✓	
ORDER REF - MAXIMA-SYSTEM	

## ENESKA 4 MOBILE MICROMOTOR

The Eneska 4 mobile micromotor works with the Eneska 4-1 handpiece on page 135.

### \*No handpiece included

Ideal for working on large mould tools where a standard set up would not reach.

Comes with:

Motor and Cable

Control Box & Storage Battery  
Charger

- Speed 1,000 - 40,000 rpm
- 7.8 N/cm High Torque
- Usage time - up to 10 hours
- Left and right rotation
- Charging time 120 minutes



ENESKA MOBILE 4	
✓	
ORDER REF - ENESKA-0006950	

## ENESKA SONIC - ULTRASONIC LAPPING & POLISHING SYSTEM

The most innovative advancement in the field of ultrasonic polishing. ENESKAsonic – high-efficiency, leading-edge, latest generation for finest stock removal. An outstanding sophisticated design combined with convenient high-tech equipment.



### Highlights:

- Intuitive high-quality glass touch operation with rotary controller,
- Modern LED-assisted multi-functional display
- Boost function for applications requiring greater power
- Auto-Tune function determines the optimum frequency
- Idle timer detects unused handpieces and protects against wear
- The 140 g lightweight handpiece enables fatigue-free work.
- Reverse-compatible with ENESKA 2-1 handpieces.
- USB charging connection
- "100% Made in Germany"

Includes tool holders with 3mm dia bore, 3mm slot width and 1mm slot width

### The set contains the following components:

- 1 x control unit ENESKAsonic (Order No. 0 012 001)
- 1 x ultrasonic handpiece JUS-45PB-ES (Order No. 0 012 003)
- 1 x handpiece support, standard, black (Order No. 0 011 110)
- 1 x tempered glass screen protector (Order No. 0 011 098-G)
- 1 x power cord set (Order No. 0 007 435-1)
- 2 x 4 A fuse for 110 V use (Order No. 1 711 407-1)
- 1 x allen key (Order No. 0 006 304)
- 2 x chuck key (Order No. 0 006 347)
- 1 x tool holder – Ø 3 mm bore (Order No. 0 006 306-E)
- 1 x tool holder – 1 mm slot width (Order No. 0 006 310-E)



ENESKA ULTRASONIC SET	
Complete System	✓
ORDER REF - ENESKA-0012000	

We recommend Xebec ceramic stones for ultrasonic polishing. Diamond machine files can also be used.

## ECO POLISHER

Our new entry level ultrasonic polisher. Compact and easy to use. Perfect for detailed, precision polishing in tight spaces, corners, on flats and edges. Suggested for jewellery work and aluminium tooling.

Comes with 3mm & 2.34mm round stone holders as well as a flat holder. We recommend stones are cut down to no longer than 40mm and sizes of 1x1, 1x2 and 1x4.

Input Voltage : AC220V  
Power Consumption : Max. 30W  
Maximum Output : 25W  
Frequency of Vibration : 25kHz

ECO POLISHER	
Ultrasonic System	✓
ORDER REF - ECOPOLISHER	





FOREDOM®

We now offer Foredom pendant motors as a modular system, select the handpiece to suit the work you are doing. The great advantage of a Foredom pendant motor is the large selection of interchangeable handpieces that are available. We keep the most popular options in stock.



FOREDOM SR		
SR (NO HANDPIECE)		✓
ORDER REF - FOREDOM-TYPE-SR		

HANDPIECE H.20

Exclusively for 2.35mm shanks, quick release handpiece with lever action. Suits jewellers particularly who use mainly 2.35mm burs. 1 1/8" Diameter (center) 3/8" diameter (front taper)



H.20		
QUICK CHANGE (3/32")		✓
ORDER REF - FOREDOM-HP-NO.20		

HANDPIECE H.30

A general purpose chuck handpiece. No collets, the jaws clamp down on the burr. Takes up to 4mm shanks. 1" diameter.



H.30		
CHUCK SYSTEM		✓
ORDER REF - FOREDOM-HP-H30		

HANDPIECE H.28

A tapered/ slender handpiece that is easy to hold. Comes with a 3/32" (2.35mm) and 1/8" (can clamp down to a 3mm) collets. 23/32" Diameter (center), 1/2" diameter (taper)



H.28		
TAPERED (3/32"&1/8")		✓
ORDER REF - FOREDOM-H28		

HANDPIECE H.44T

A tapered general purpose handpiece. Comes with 3/32", 1/8" & 1/4" collets. 1" diameter (center), 3/4" diameter (taper)



H.44T		
3/32", 1/8", 1/4"		✓
ORDER REF - FOREDOM-HP-NO44T		

HANDPIECE H.8

A slim handpiece with chuck guard which slides back when changing burs. It has a collet system and comes with 3/32" & 1/8" collets. 5/8" Diameter



H.8		
SLIM C/W 3/32 & 1/8"		✓
ORDER REF - FOREDOM-HP-NO.8		

35RAA HANDPIECE FOR FOREDOM

Head can be swivelled and telescopic extended. Will take collets 2.35mm.(3/32"), 3mm & 1/8". Complete with 1 collet of choice



35RAA		
Right Angled Handpiece		✓
ORDER REF - FOREDOM-R/AHP		



The WeCheer system offers excellent value for money. Replacement parts available. Interchangeable handpieces.

### Specification:

Maximum speed up to 20,000 rpm

### WeCheer Pendant Motor, complete with:

- Motor
- Shaft
- Foot Control



Image	Description	Order Ref
	WeCheer Slim 2.4mm & 3.2mm Collet	26511
	WeCheer Slim 0.8mm to 3.2mm Collet	26512
	WeCheer Standard With 2.4mm, 3.2mm, & 4mm Collets	26513
	WeCheer Standard 0-4mm Chuck	26514
	WeCheer Carving handpiece with 5 chisels	26515
	WeCheer Snap-Lock 3.2mm Collet	26516
	WeCheer Right-Angle, 2.4mm & 3.2mm Collet	26517
	WeCheer Large 1/4 Chuck	26518

WE CHEER PENDANT MOTOR	
OPTION	
WECHER SYSTEM (NO HANDPIECE)	✓
ORDER REF - WECHER	
KITS	
KIT 1 - SYSTEM + STRAIGHT HANDPIECE	✓
KIT 2- SYSTEM + RIGHT ANGLE HANDPIECE	✓
KIT 3 - SYSTEM + SLIM 2.4 & 3.2 COLLET, STRAIGHT HANDPIECE	✓
ORDER REF - WECHER	

### No1 Slip Joints

Both Milbro and Faro pendant motors come with a no1 slip joint. Select a handpiece from page 142 to fit these machines.

### MILBRO PENDANT DRILL

#### Sturdy British made 'workhorse'

- Supplied with a no1 Slip Joint
- Includes foot control

**\*Can also be supplied with a fixed handpiece for a reduced price.**

- Fixed handpieces come complete with 4 collets (chucks), Zero, 1/16, 3/32, 1/8, which allows you to accept tool diameters of 0.01mm - 3.00mm.



MILBRO PENDANT MOTOR	
18,000 RPM	✓
ORDER REF - PENDANTSYS-MILBRO	

# NO1 SLIP JOINT HANDPIECES & PENDANT MOTOR STANDS



## HANDPIECES TO SUIT No1 SLIP JOINTS

A range of handpieces to suit flexible shaft/ pendant drills with no1 slip joints.

### 35VB HANDPIECE

Will take collets 2.35mm. (3/32"), 3mm, 6mm, 3/32", 1/8" and 1/4"  
Complete with one collet of choice.



35VB	
LARGE STRAIGHT	✓
ORDER REF - MG535VB	

### SST HANDPIECE

Complete with a 3mm collet, other collets available



SST	
SMALL STRAIGHT	✓
ORDER REF - MG5STRH/P	

### 35RAB HANDPIECE

Will take collets 2.35mm (3/32"), 3mm, 6mm, 1/8" and 1/4". Complete with 1 collet of choice



35RAB	
LARGE RIGHT ANGLE	✓
ORDER REF - MG535RAB	

### 35RAA HANDPIECE

Head can be swivelled and telescopic extended. Will take collets 2.35mm (3/32"), 3mm & 1/8". Complete with 1 collet of choice.



35RAA	
SMALL RIGHT ANGLE	✓
ORDER REF - MG535RAA	

### COLLETS

To suit the above handpieces

### MOBILE STAND

On castors, complete with **double** hook, (single hook illustrated). Height is adjustable

MOBILE STAND	
MOB-1	✓
ORDER REF - MOBILEPENDANTSTD	



### FARO PENDANT DRILL SPECIFICATION:

Motor: 22,000 rpm max.

Output: 300watts

Cable Arm: Inner drive and No. 1 quick release slip joint. High speed twin bearing, convoluted outer.

\*HANDPIECE NOT SUPPLIED

### FARO OPTIONAL EXTRAS

Replacement Flexible Drive Shaft: 6mm diameter cable for longer durability with tough stainless steel outer casing. Slip-joint quick release for handpiece changing.



FARO PENDANT MOTOR	
22,000 RPM	✓
ORDER REF - PENDANTSYS-FARO	

### PENDANT MOTOR STAND

Pendant motors are designed to be hung to keep the flexshaft straight and at a good height for working.

Single hook stands with the option of either being fixed to the bench or moveable with a G-clamp base. Height is adjustable.

PENDANT MOTOR STANDS	
TYPE	
FIXED OPTION or G-CLAMP OPTION	✓
ORDER REF - PENDANTMOTOR-STAND	



Moveable g-clamp option



Fixed option

## FLEXTOL VARIABLE SPEED HEAVY DUTY 2HP - FLEXIBLE SHAFT MACHINE

This excellent quality flexible shaft machine is ideal to use larger mops on for polishing larger items which cannot be lifted to a floor standing polisher.

This is a 2 HP machine and has variable speed from 1,000 to 10,000rpm. It offers good torque at lower speeds.

### This includes:

A 6mm straight hand piece with a 6mm chuck. A taper cone for use with mops and wheels. A caster base 22" diameter with 4 wheels.

### FLEXTOL VARIABLE SPEED

**2 HP 1,000-10,000 RPM**



ORDER REF - FLEXTOL-IVS/LS2HP

*Flextol*



## JOKE PREMIUM PENDANT MOTOR

With an output of 800 WATT, 22,000–1,000 RPM. Silky smooth to use with fantastic power

### SYSTEM INCLUDES:

Motor, Flexible Shaft with No1 Slip Joint and Foot Pedal.

800 WATT output is enough power to drive 3" diameter wheels. Motor can be used hanging or laid flat. Has a strong shaft and cable

### PREMIUM PENDANT MOTOR

**800 WATT, 1-22,000RPM**



ORDER REF - JOKE-0016850

### HANDPIECES

See page 40 onwards in the Joke catalogue for the Joke range to suit. Please contact us for advice.





## TUBE & PIPE LINISHERS

The linishing attachment allows Trizact, felt and standard belts to be used on all tube work. You can now achieve a mirror finish on tube work without using a mop. The sprung loaded wheels allow the belts to wrap around the tube. We offer several options.

## BELT FILE FOR DETAILED LINISHING

Each machine comes with a choice of 5 Arms.

### PNEUMATIC BELT FILE

0.5 Horsepower  
Motor

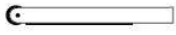
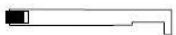

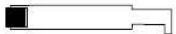





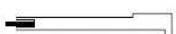


### ELECTRIC BELT FILE

570 Watt  
9,000 RPM  
240 & 110 Volts



BELT FILE		
Number of Arms	AIR	ELECTRIC
1 arm BF012 (12 x 457mm arm)	✓	✓
3 arms (BF003, BF006 + BF012)	✓	✓
4 arms (BF003, BF006, BF012 + BF019)	✓	✓

<b>Arm operating 12mm wide belt</b>  <i>Standard 12mm arm – general purpose. Grind, deburr, splatter remove, polish and finish. For use on wheel or platen pads. (Cork for grinding, rubber for finishing)</i>  <b>Arm BF012</b> operates 12mm wide x 457mm long belts <b>Arm BF012/5</b> operates 12mm wide x 533mm long belts <b>Arm BF012/6</b> operates 12mm wide x 610mm long belts		18.0 D —  Rubber 9.0 W — 
<b>Arm operating 19mm wide belt</b>  <i>Grind &amp; finish; Stock removal; Working large areas; For use on wheel or platen pads. (Cork for grinding, rubber for finishing)</i>  <b>Arm BF019</b> operates 19mm wide x 457mm long belts <b>Arm BF019/5</b> operates 19mm wide x 533mm long belts <b>Arm BF019/6</b> operates 19mm wide x 610mm long belts		18.5 D —  Rubber 15.3 W — 
<b>Arm operating 6mm or 12mm wide belt</b>  <i>Use for blending internal radii and stock removal on the wheel. Outside radiusing with 12mm belt behind wheel on slack of belt to produce flat free finish.</i>  <b>Arm BF006</b> operates 6 or 12mm wide x 457mm long belts <b>Arm BF006/5</b> operates 6 or 12mm wide x 533mm long belts <b>Arm BF006/6</b> operates 6 or 12mm wide x 610mm long belts		24.0 D —  Rubber 9.0 W — 
<b>Arm operating 3mm wide belt</b>  <i>Grind &amp; finish; Narrow small welds; internal radii; tight angles. Driven wheel shaped to a V, gives excellent tracking to a 3mm belt. Allows for very neat dressing of welds.</i>  <b>Arm BF003</b> operates 3mm wide x 457mm long belts <b>Arm BF003/5</b> operates 3mm wide x 533mm long belts <b>Arm BF003/6</b> operates 3mm wide x 610mm long belts		24.0 D —  Rubber 9.0 W — 
<b>Arm operating 4 or 6mm wide belt</b>  <i>Grind &amp; finish; Working slots and narrow channels. To be operated in straight line.</i>  <b>Arm BF004</b> operates 4 or 6mm wide x 457mm long belts <b>Arm BF004/5</b> operates 4 or 6mm wide x 533mm long belts <b>Arm BF004/6</b> operates 4 or 6mm wide x 610mm long belts		18.7 D —  Rubber 3.9 W — 



### PIPE SANDER UTG 9R

Power - 1050 watt  
Belt Speed - 7-15.5 m/sec  
Pipe Diameter - 70mm max  
Belt size - 30 x 610 mm



### PIPE SANDER LRP 1503 VRA

Power - 1200 watt  
Belt Speed - 4-12 m/sec  
Pipe Diameter - 125mm max  
Belt size - 20 x 760 mm  
& 40 x 760 mm



### PIPE SANDER RS 12-70 E

Power - 1200 watt  
Belt Speed - 22 m/sec  
Pipe Diameter - 80mm max  
Belt size - 20 x 815 mm  
& 40 x 815 mm



## JOST PIPE SANDING & FINISHING SYSTEM

A clever system for use with an angle grinder (not included)



JOST PIPE FINISHING SYSTEM	
Complete Kit with Abrasives	
For tubes 10mm to 76mm dia	✓
ORDER REF - JOST-2000-1	

## MINIFIX 25-R SET

Comprising:

Fully insulated motor, 3m cable + plug, flexible shaft NA4 x 1250mm DIN 10/G16, FH4 straight handpiece c/w 6mm collet, set of tools, all in metal carrying case.



MINIFIX 25-R		
ACCESSORIES		
FH4 Straight Handpiece c/w 6mm collet		✓
Wi4 90 deg Handpiece c/w 3mm collet		✓
Complete Shaft NA4 x 1250mm		✓
Collets for FH4: 3/32" 1/8" 3mm 1/4" 6mm		✓
Collets for Wi4: 1/8" 3mm 6mm		✓

# SUHNER®

## HEAVY DUTY PENDANT MOTOR

- Integral variable speed selector – 11000 to 25000 rpm
- Lightweight and compact, guarantees work without operators fatigue
- Delicate right angle and straight hand pieces for optimal application use.
- 110v or 230v available.

## APPLICATIONS:

Tool and patternmaking, aerospace and aircraft industry, precision mould and die-maker shops, engine tuning, dental labs, wood modelling, glass engraving, etc for use with tungsten carbide burrs, mounted points, flap wheels (up to 40mm dia), circular wire brushes (up to 40mm dia), felt polishing bobs & non woven fibre brushes.

## ROTOMAX 1.5

**The most powerful drive - for your coarse grinding tasks.**

The new Suhner Rotomax motor system delivers up to 1,500 Watts and rotates at between 500 and 15,000 rpm, and is continuously adjustable.



ROTOMAX 1.5		
Part No.	Description	
ROTOmax 1.5	Baseplate Model (with stand)	✓
30 026 03	NA10 x 200 Cable	✓
FH10	Straight Handpiece c/w one collet	✓
WI10-90	90-Degree Handpiece c/w one collet	✓
WI10-45	90-Degree Handpiece c/w one collet	✓
ORDER REF - SUHNER-		

## HIGHLIGHTS:

- 1500 Watts output power
- Continuously adjustable speed between 500 and 15,000 rpm
- Digital control
- Soft start, stable speed, active brake
- Robust but still portable
- Maximum flexibility with tools and accessories

## PERFORMANCE DATA:

Speed: 500 to 15,000 rpm  
1500 Watts

Power consumption 2,200 Watts

Shaft connection DIN 10

Supply voltage 230 V, 50/60 Hz,  
1 phase

Weight 27 kg

Dimensions 472 x 340 x 352 mm



## FLEX RANGE OF GRINDERS & POLISHERS

For excellent value for money and great features



### FILLET WELD GRINDER

Code: LLK 1503 VR  
Power: 1200watt  
Volts: 230 V  
Max wheel Ø: 152 mm

FILLET WELD GRINDER	
<b>FLEX-LLK1503VR</b>	✓



### FINGER BELT SANDER

Code: LBS 1105 VE  
Power: 710 watt  
Volts: 230 v & 110V  
Belts: 533 x 4-9 mm

FINGER BELT SANDER	
<b>FLEX-LBS 1105 VE</b>	✓



### WELD & PIPE BELT SANDER

Code: LBR 1506 VRA  
Power: 1200watt  
Volts: 230 v & 110V  
Belts: 618 x 40 mm

WELD & PIPE BELT SANDER	
<b>FLEX-LBR1506VRA</b>	✓



### SHORT ARM OPTION

Supplied with:  
1 off 150x13mm bore cutting and blending disc  
5 off 150x13mm bore surface conditioning discs (Med)

SHORT ARM FILLET GRINDER	
<b>BLACK SHORT ARM</b>	✓



### BOA PIPE BELT SANDER

Code: LRP 1503 VRA  
Power: 1200watt  
Volts: 230 v & 110V  
Belts: 760 x 40/20 mm

BOA PIPE BELT SANDER	
<b>FLEX-14-3125SET</b>	✓



### VARIABLE HIGH-SPEED STRAIGHT GRINDER

Code: H 1127 VE  
Power: 710 watt  
Speed: 10000-30000 rpm  
Volts: 230 V & 110 V  
Collet: 6 mmØ (others available)

VARIABLE STRAIGHT GRINDER	
<b>FLEX-H1127VE-230V</b>	✓



### COMPACT VARIABLE-SPEED POLISHER WITH HIGH TORQUE

Code: PE14-2 150/230v  
Power: 1400 watt  
Speed: 380-2100 rpm  
Volts: 230 V  
Tool Fixture: M14

COMPACT POLISHER	
<b>FLEX-PE14-2-150</b>	✓



### POLISHER WITH CONTINUOUS SPEED CONTROL TRIGGER

Code: PE14-3.125  
Power: 1400 watt  
Speed: 1100-3700 rpm  
Volts: 230 V & 110 V  
Max wheel Ø: 125 mm (10")

POLISHER CONTINUOUS SPEED	
<b>FLEX-PE14-3.125</b>	✓



### SPECIAL DEAL

#### LP 1503 VR SURFACE FINISHING POLISHER

Comes with guard, keyway mandrel & side handle. An excellent offer.

#### SURFACE FINISHING POLISHER

Code: LP 1503 VR

Power: 1200watt

Volts: 230 v & 110V

Wheels: 115 Ø x 100 L mm

A versatile tool which can be used for a range of surface finishing operations



PLUS GUARD, HANDLE ETC

**FLEX-LP1503VRPLUS**



M14 taper cone sold separately, this is necessary for use with polishing mops, lap disc mops etc. See page 153.



**KEYWAY WHEELS ON PAGE 90.**



#### PNEUMATIC DRUM

##### Dimensions

**90 X 100 X 19mm**

ORDER REF - BLOWUPTYRE90X100

#### ARBOR

##### Dimensions

**FG M14 (19 X 100mm)**

ORDER REF- BLOWUPTYRE-ARBOR

### GRINDERS & POLISHERS

All are available in 230V and 110V

#### SG6 VARIABLE SPEED

#### STRAIGHT GRINDER

1600 W 1,600 - 4,800 rpm also comes with taper cone

**Replacement for the EDX SG30.**



#### SG6 STRAIGHT GRINDER

**110V OR 230V**



ORDER REF - SG6

#### POSITIVE-DRIVE ROTARY-ORBITAL POLISHER

Code: XC3401VRG/230V

Power: 900 watt

Speed: 160-480 rpm

Volts: 230 V

Max wheel Ø: 150mm



#### ROTARY ORBITAL POLISHER

**FLEX-XC3401VRG-230**





**FOREDOM BENCH LATHE M.BL**

An excellent polisher for smaller items, particularly jewellery, dental and precision items.

- 1/6 horsepower, high torque motor
- 230 Volt
- **Speed Range: 500-7,000 rpm**
- 125 Watts (continuous rating)
- Motor shaft diameter: 5/16"(8mm)
- Height: 5 1/8"(130mm)
- Width: 13"(330mm) between spindles
- Weight: 7.5 lbs (3.4 kg)
- CSA Certified
- CE rated



FOREDOM BENCH LATHE M.BL		
230 volt - 1/6 horsepower		✓
ORDER REF - FOREDOM-MBL		

**FOREDOM FILTER DUST HOOD-MAFH25**

Has voltage selector switch for 110 or 220 Volt operation.

Fan rating of 80 CFM.

This hood is a nice size for small spaces. Ideal for collecting lemel and polishing dust. Not suitable for fumes. Could also be used with a pendant motor/micromotor.



**FOREDOM DUST COLLECTOR HOODS - MADCH-1**

For collecting dust and residue created from polishing and grinding materials. These compact hoods are constructed from heavy gauge sheet metal, with non-skid pads on the bottom.

Has a 64mm adapter that fits most dust collection system hoses

Measures 165mm h. x 219mm d.



FOREDOM FILTER DUST HOOD		
TYPE		
MAFH25 110 or 220		✓
MADCH-1		✓
ORDER REF - FOREDOM		



DOUBLE-ENDED BENCH POLISHER			
HP	RPM		Recomended Taper
1.5	2820	✓	No 2
2	2815	✓	No 3
3	2815	✓	
Slow Speed Polisher for Plastics			Taper
0.75	1395	✓	No3
1.5	1435	✓	
TAPER NOT INCLUDED			
All above c/w direct on-line starter			
ORDER REF -POLISHER(HP)			
FLOOR STANDING PEDESTAL			
Optional Extra		✓	ORDER REF -POLISHER-BENCHSTAND

### 6" BENCH POLISHER/GRINDER

200 WATT 240 VOLT  
Takes 12mm Pigtail  
(optional extra)



6" 200 WATT POLISHER
✓
ORDER REF - POLISHER-200WATT

### 6" HEAVY DUTY BENCH GRINDER

450 WATT  
Takes a 13mm Pigtail



8" Version  
also available

6" HEAVY DUTY XD199
✓
ORDER REF - BENCHGRIND-BG150XD/99

### LAFERT BENCH POLISERS

#### Specification

A range of robust bench polishers complete with tapered spindle ends

1 - Phase or 3-Phase

On/Off Power Switch

See pages 153 for

alternative

Detachable Spindle Ends

BENCH STANDS & HOODS	
Motor with Bench stand	Bench mounted Hoods with 4" Dia outlets
✓	✓
ORDER REF - POLISHER...	

Two speed polisher, allows slower speeds for temperature sensitive parts

### BM39C DUAL SPEED POLISHER

300 WATT 240 VOLT

### BM39B DUAL SPEED POLISHER

500 WATT 240 VOLT

Both offer  
1,400/ 2,800 RPM  
CE Marked



DUAL SPEED POLISHERS	
BM39C (300W)	✓
BM39B (500W)	✓
ORDER REF - POLISHER-BM39C/B	

### BM39E POLISHER

700 WATT 240 VOLT

2,850RPM

CE Marked



BM39E 700 WATT
✓
ORDER REF - POLISHER-BM39E



Bench Polisher DSM  
150 – 520w 230v



Bench Polisher DSM 150 –  
Kit for Polishing  
520w 230v  
2 off Dry sisal  
2 off White stitched mops  
2 off WDR mops



Bench Polisher DSM 150 –  
Kit for Deburring  
520w 230v  
4 off Loose laps of Superior Brown  
1 off Radial wheel 8 Leaves  
1 off 9SF Deburring wheel

DSM BENCH POLISHERS	
TYPE	
DSM150	✓
DSM150-DEBURRING	✓
DSM150POLISHING	✓
DSM200	✓
ORDER REF - POLISHER-DSM150/200(TYPE)	



Bench Polisher DSM  
200 – 900w 230v

**BM 81A & 82A**  
**SINGLE SPINDLE POLISHING BENCH**  
Motor: 0,55 kW , 230 V, 50 Hz  
Single Speed (**BM81A**) 3000rpm  
Variable Speed: (**BM82A**) 300rpm-3000rpm  
Suction Output: 750 m³ / h  
Lighting: 4 x 9 Led 1600 lm  
Dimensions: 46 cm x 37 cm Height 46 cm  
Net / Gross Weight: Net 30 Kg / Gross 34 Kg  
Packing: 56 cm x 46,50 cm x 56,50 cm

**BM 83A & 84A**  
**DOUBLE SPINDLE POLISHING BENCH**  
Motor: 0,55 Kw , 230 V., 50 Hz  
Two Speed (**BM83A**) 1500 / 3000rpm  
Variable Speed: (**BM84A**) 0rpm-3000rpm  
Suction Output: 750 m³/h for each side  
Lighting: 4 X 9 LED 1600 lm for each side  
Brush Diameter: Ø160 mm max.  
Dimensions: 68 cm x 37 cm Height 46 cm  
Net / Gross Weight: Net 47 Kg / Gross 52 Kg  
Packing: 79,50 cm x 48,50 cm x 56,50 cm



BM81A & 82A	
TYPE	
BM 81 A SINGLE SPINDLE, SINGLE SPEED	✓
BM82 A SINGLE SPINDLE, VARIABLE SPEED	✓
ORDER REF - POLISHER-TYPE	

BM83A & 84A	
TYPE	
BM 83 A TWO SPINDLE, TWO SPEED	✓
BM 84A TWO SPINDLE, VARIABLE SPEED	✓
ORDER REF - POLISHER-TYPE	

### MOP GUARDS

Floor standing polishing mop guards with adjustable hoods, complete with dust extractor connection.



### FLOOR FIXED PEDESTALS

Floor-standing and floor-fixed pedestals for mounting bench grinders, finishers, polishing lathes, etc. Manufactured to customer specifications



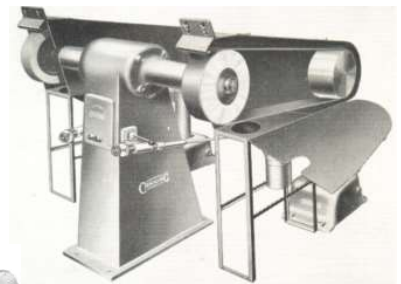
### BELT GUARDS

Floor standing belt guard with idler wheel, integral tracking and belt release. Connection to dust extraction.



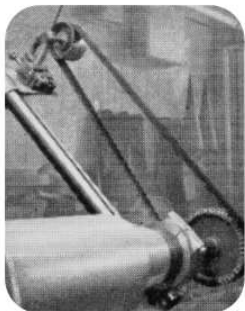
### FLOOR TYPE IDLER BACKSTAND No. 2641

For use with polishing lathes or in conjunction with centreless polishing machines. The idler backstand is shown coupled to a polishing motor with guard open to show the abrasive belts. Note the special belt tensioning and tracking device.



### BENCH BELT GUARD

With idler wheel, integral tracing and belt release. Connection to dust extraction.



### VERTICAL TYPE IDLER BACKSTAND No.3596

A single pole mounting, available for standard 2745mm (9") belts, up to 100mm (4") wide.



### FLOOR STANDING CANNINGS MACHINE

TOOLS & EQUIPMENT

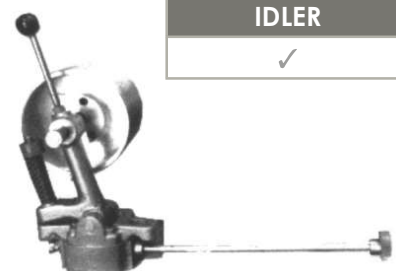
### BENCH TYPE IDLER BACKSTAND

A compact bench type idler back stand for use with the polishing motors. All the bearing and threaded surfaces are specially protected against dust, grit and polishing compound. These units are suitable for use with 1524mm (5') belts, up to 100mm (4") wide. Complete with belt release and belt tracking. Left or right hand. Wall or floor mounting.



### H/D BACKSTAND IDLER

Usually fitted as integral part of guard, with operator belt tracking.





## MM506

Reverse Threaded  
on 6mm Shank

**MM304D**  
1/8" Shank

**MM301**  
3/32" Shank

**MM17**  
6mm Shank

**MM32**  
6mm Shank

**MM304DM**  
3mm Shank

**MM504**  
3mm Shank

**PB 38**  
6mm Shank

**PB 39**  
6mm Shank

**MM39**  
6mm Shank

**MM305D**  
1/8" Shank

**MM5**  
1/8" Shank

**MM503**  
3/32" & 3mm Shank

## MANDRELS

Order Ref.	Type	Shank	For bore	For wheel	For use with	
			size	thickness		
<b>MMNo.6</b>	Small Point	1/8"	1/8"	1/2"	Small felt wheels	✓
<b>MM304D</b>	Small Straight	1/8"	1/4"	1/8"	MX & slitting wheels 1" dia. Felt wheels	✓
<b>MM503-2.35</b>	Small Straight	3/32"	1/16"	1/4"	Rubber bonded wheels	✓
<b>MM503</b>	Small Straight	3mm	1/16"	1/4"	and diamond discs	✓
<b>MM304DM</b>	Small Screw Top	3mm	3mm	2mm max	25mm Diamond Discs	✓
<b>MM305D</b>	Small Tapered	1/8"	1/16"	1"	Very small felt wheels	✓
<b>MM301</b>	Small Tapered	3/32"	1/16"	1/2"		✓
<b>MM506</b>	Straight Threaded with Bolt and 2 Washers	6mm	6mm-8mm	Up to thread capacity	Habras, felt, unitized, mx etc	✓
<b>MM17</b>	Tapered	6mm	1/4"	1" to 2.5"	Small felts & dollie mops	✓
<b>MM32</b>	Tapered	6mm	1/4"	3" to 6"	Large mops up to 6" dia.	✓
<b>PB38</b>	Extended Tapered	6mm	1/4"	1/2" to 3"	Small felts & dollie mops	✓
<b>PB39</b>	Tapered	6mm	1/4"	1/2" to 4"		✓
<b>MM39</b>	Straight	6mm	1/4"	1/2"	Larger felt wheels	✓
<b>MM504</b>	Small Taper	3mm	~	~	Small Wheels	✓
<b>MM5</b>	Small Straight	1/8"	~	~	Cut Off Wheels	✓



MM11



MM14



MM15



MM13

## SPLIT PIN MANDRELS

A really simple way to smooth inside bores. Simply wrap with a strip of wet and dry paper. Very popular in the jewellery trade.

2.35mm Spindle

**Sold Per Mandrel**



## SPLIT PIN MANDRELS

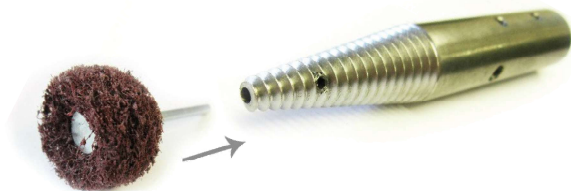
Order Ref.	Head Size	Slot Length	
	(mm)	(mm)	
<b>MM11</b>	4.5 dia x 25	20	✓
<b>MM14</b>	3.1 dia x 25	20	✓
<b>MM15</b>	2.35 dia x 12	12	✓
<b>MM13</b>	5-2 dia x 25	18	✓

## SPECIAL PIGTAIL

This pigtail features an 'end hole' with grub screw for taking small mounted bobs and wheels. Takes up to 3mm spindles.

**Sold Per Pigtail (choose Left or Right hand)**

PIGTAILS WITH END HOLE		
Size	Side	
12mm with end hole	R/H & L/H	✓
16mm with end hole		✓
ORDER REF - PIGTAIL(SIZE)		

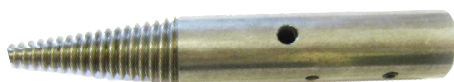


## STANDARD PIGTAIL

Standard pigtails available in a couple of sizes to suit popular sizes of grinder. Used to adapt a grinder into a polisher for using mops. Has **no** end hole for mounted products.

**Sold Per Pigtail (choose Left or Right hand)**

STANDARD PIGTAILS		
Size	Side	
12mm	R/H & L/H	✓
13mm		✓
16mm		✓
ORDER REF - PIGTAIL(SIZE)		



## TAPER CONE WITH M14 INTERNAL THREAD

The taper cone allows a range of items to be wound onto the end. Available in other sizes. Mainly designed for Angle Grinders.

**Sold Per Taper Cone**



TAPER CONE	
SIZE	
M14 THREAD	✓
ORDER REF - TAPERCONE	

## DETACHABLE SPINDLE ENDS

TYPE 'A'

For use with taper screw.



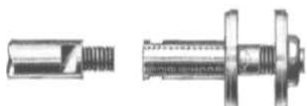
TYPE 'B'

For mounting mops or wheels between plates on parallel shaft and smaller mops on taper screw.



TYPE 'C'

For mounting mops between plates on parallel shaft.



TYPE 'D'

Similar to 'B' but with detachable taper screw. When ordering, please state:

- 1) Type of spindle end required;
- 2) RH, L.H, or both ends;
- 3) Diameter, and thread per inch (of axel) if required.



## LARGE TAPER SPINDLE ENDS

To suit larger polishers.

LARGE PIGTAILS		
Size	Internal dia	
No1	14mm	✓
No2	19mm	✓
No3	24mm	✓
ORDER REF - TAPERSPINDELS(No)		



WHAT IS LINISHING?

Linishing is the process of using grinding or belt sanding techniques to improve the flatness of a surface. The flatness may be two-dimensional, i.e. with the view of achieving a flat plate, or one-dimensional, e.g. with the view of achieving a perfectly cylindrical shape.

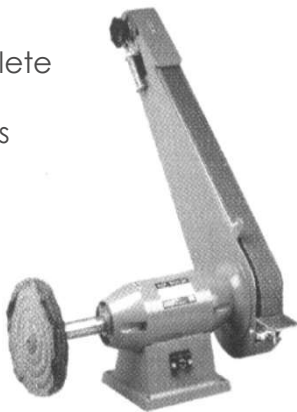
The machine that does this may be called a linisher or a linish grinder. The technique may also be used, with finer grades of grindstone or sanding belt, to polish a surface.

A specific use of the term linishing is for the preparation of the ends of rubber extrusions that will be fused together to make a closed loop.

Our Linishers have been picked as the best in the industry. Contact us for more information.



**POLLETTE 8BG NE/N**  
8" Bench Polisher, complete with  
Belt Arm & Taper spindles  
Available in 1 Phase or 3 Phase  
Belt Size: 50 x 1600 mm  
Continuous rated  
NE = 240 volts, 1 ph  
N = 415 volts, 3 ph



POLLETTE 8BG	
NE or N	✓

**VANCO LINISHERS**  
British made  
Ultra sturdy and reliable

TOOLS & EQUIPMENT



**VG COMPACT AND STABLE VERTICAL DEBURRING AND GRINDING MACHINES**  
Many variations to these VG models.  
Please enquire for full range.

**STAR SIDE GRINDER**  
(St 300 Pictured)  
Up to 7.5KW motor with large 650x3000mm abrasive belts  
Pneumatic tensioning of belts.  
Available complete with table and stop

**UNIVERSAL GRINDING MACHINE**  
(E-66 Pictured)  
Variable speed, Up to 3KW motor  
Wheel/mop attachment  
Abrasive belts up to 150x1900mm



**MORE OPTIONS AVAILABLE - Please Enquire.**



## DOUBLE POLISHING MACHINE (ART 27)

2.5 HP  
1400/2800 RPM  
Polishing machine Ø250 mm -  
double shaft motor Ø25 - kW

### ART27 DOUBLE POLISHER

**ART27**



ORDER REF - LINISHER



## SWING BELT GRINDING MACHINE (ART 45)

1.5 HP  
2800 RPM  
Swing belt grinding  
machine 100x1000 -  
worktable 100x290 mm

### ART45 SWING BELT

**1000 X 100 BELTS**



ORDER REF - LINISHER



## SWING BELT BENCH MOUNTED (ART 22)

1.5 HP - 400 V  
2800 RPM  
Swing belt bench-mounted  
grinding machine 100x1000 -  
worktable 100x290 mm

### ART22 SWING BELT

**SINGLE PHASE**



**3-PHASE**



ORDER REF - LINISHER



## BELT SANDER

750 WATT  
BELTS :1220X100  
Stand Available

### BELT SANDER

**750 WATT**



**STAND**



REF - BELTSANDER-SM100



## VERTICAL LINISHING MACHINE (ART 35)

1 HP  
1400/2800 RPM  
Belt grinding machine with  
vertical belt 25-40x1700  
mm - flexible belt working  
option

### ART 35VERTICAL LINISHER

**1700 X 40 BELTS**



ORDER REF - LINISHER



## TELESCOPIC BELT GRINDING MACHINE (ART 28)

2.5 HP  
1400/2800 RPM  
Telescopic swing belt  
grinding machine  
50X2000-2500 - grooved  
rubber wheel Ø200 mm

### ART28 TELESCOPIC

**2000 X 150 BELTS**



ORDER REF - LINISHER





**PUMA AIR BELT SANDERS**  
B10 & B20 Air driven belt sanders



**B20 SANDER**  
20mm Belt Sander  
16,000 RPM



**B10 SANDER**  
10mm Belt Sander  
16,000 RPM

**BELTS FOR B10 & B20 BELT SANDERS**  
Sold per 50

**DUAL ACTION ORBITAL SANDER**  
75mm or 50mm diameter  
With a soft ergonomic handle



ORBITAL SANDER	
<b>SA701</b>	✓
ORDER REF - AIRORBITAL	

PUMA BELT SANDERS						
MODEL	AIR INLET	AIR HOSE	Avg. Air	Working Air	Suggest Air	
	(PT)	(ID)	Consumption (cfm)	Pressure (psi)	Compressor (HP)	
<b>B10</b>	1/4"	3/8"	6	90	2	✓
<b>B20</b>	1/4"	3/8"	6	90	2	✓
ORDER REF - B10 (OR B20)						

SPARE BELTS					
PER 50	BELT SIZE	40g	60g	80g	100g & finer
<b>B10</b>	330 X 10MM	✓	✓	✓	✓
<b>B20</b>	520 X 20MM	✓	✓	✓	✓
ORDER REF - AB(SIZE)					

CONSUMABLES FOR 2" ORBITAL SANDER				
2" Dia. Velcro Backed Al/Ox Sanding Discs (per 100)				
Grits	60	120	180	240 & 400
	✓	✓	✓	✓
2" Dia. Scotchbrite Surface Condition Discs (per 20)				
Grades	Coarse - Brown	Medium - Red	Fine - Blue	
	✓	✓	✓	
2" Dia. Wet & Dry Velcro Backed Discs (per 50)				
Available in all grits down to 3000. Please contact us for Prices				
2" Dia. Felt Discs - Velcro Backed (per 20)				
Grades	Soft / Medium 6mm thick			✓



**HARDENED NEEDLES FOR ENGRAVER**  
Available in Medium & Fine

PUMA AIR ENGRAVER			
AT6062	✓		
49.7Hardened Needles for Engraver			
Medium	✓	Fine	✓
ORDER REF - AIRENGRAVER			

PUMA AIR TOOL CONSUMABLES	
CONSUMABLES	
<b>3MM COLLETES FOR TYPE G ONLY</b>	✓
<b>1/8", 6MM, 1/4" COLLETS</b>	✓

## AT-7033

6mm Straight Die Grinder  
22,000RPM



### STRAIGHT DIE GRINDER

**AT-7033**



ORDER REF - AIRDIE

## AT-7033L

6mm Extended Die Grinder  
25,000RPM



### EXTENDED DIE GRINDER

**AT 7033L**



ORDER REF - AIRDIE

## AT-7032

6mm Mini Die Grinder  
25,000RPM



### MINI DIE GRINDER

**AT-7032**



ORDER REF - AIRDIE

## AT-7034

6mm Angle Die Grinder  
20,000RPM



### ANGLE DIE GRINDER

**AT-7034**



ORDER REF - AIRDIE

## AT-7136M

115 Deg. Angle Die Grinder  
Comes with 6mm collet  
20,000RPM



### 115 DEG DIE GRINDER

**AT-7136M**



REF - AIR-AT7136M

## TYPE G - AT3170

3mm Micro Pencil Grinder  
58,000RPM. Comes with airing hose,  
over hose and 3mm collet.  
(Will take 3/32" and 1/8" collets)



### TYPE G

**AT-3170**



ORDER REF - AIRMICRO

## TYPE G - AT3180 (HIGH SPEED)

3mm Micro Pencil Grinder  
70,000RPM. Comes with a 3mm  
collet. (Will take 3/32" and 1/8"  
collets)



### TYPE G - HIGH SPEED

**AT-3180**



ORDER REF - AIRMICRO

PUMA AIR TOOL SPECIFICATIONS					
MODEL	AIR INLET	AIR HOSE	Avg. Air	Working Air	Suggest Air
	(PT)	(ID)	Consumption (cfm)	Pressure (psi)	Compressor (HP)
<b>Type G &amp; AT-3180</b>	1/4"	3/8"	2	90	1
<b>7032</b>	1/4"	3/8"	4	90	1
<b>7033</b>	1/4"	3/8"	5	90	1.5
<b>7033L</b>	1/4"	3/8"	5	90	1.5
<b>7034</b>	1/4"	3/8"	5	90	1.5
<b>7136</b>	1/4"	3/8"	5	90	1.5



## SUPER PRECISION AIR GRINDERS

Top quality air tools for high precision work.

NSP601				
Speed	Weight	Air Consumption	Drive Air Pressure	Hose Length
60,000 rpm	165 kg	160NL/min.	4~6kg/cm2	1.5m
Std.Eqpt.	3mm collet, 1 grinding stone with axis, 1 set wrenches			
Very Strong, excellent value, quiet and high torque				

NSP-601
✓
ORDER REF - NSKNSP-601



NA45-230				
Speed	Weight	Air Consumption	Drive Air Pressure	Hose Length
23,000 rpm	190 kg	160NL/min.	4~6kg/cm2	1.5m
Std.Eqpt.	3mm collet, 1 special grinding stone axis, 1 Topcut stone,			
	1 rubber pad, 8 self-adhesive discs, 1 set spanners			
	All Topcut stones are available			
Use as 45° air tool, very powerful with high torque				

NA45-230
✓
ORDER REF - NSKNA45-230



NA90-230				
Speed	Weight	Air Consumption	Drive Air Pressure	Hose Length
23,000 rpm	190 kg	160NL/min.	4~6kg/cm2	1.5m
Std.Eqpt.	3mm collet, 1 special grinding stone axis, 1 Topcut stone,			
	1 rubber pad, 8 self-adhesive discs, 1 set spanners			
	All Topcut stones are available			
Use as 90° air tool, high torque for use with velcro or self-adhesive discs & grinding wheels				

NA90-230
✓
ORDER REF - NSKNA90-230



NA45-400				
Speed	Weight	Air Consumption	Drive Air Pressure	Hose Length
40,000 rpm	210 kg	160NL/min.	4~6kg/cm2	1.5m
Std.Eqpt.	3mm collet, 1 grinding stone with axis, 1 set wrenches			
Use as 45° air tool, very fast for use with mounted points				

NA45-400
✓
ORDER REF - NSKNA45-400



## DG65

### HEAVY DUTY RIGHT ANGLE DIE GRINDER

Better quality right angle die grinder.

- 19,000 RPM at 90 psi
- Vibration levels - less than 2.5m squared
- 6mm collet
- 0.5 hp

If you currently use the Puma right angle die grinder this tool will be of interest. It is better quality and higher power

SECO R/A DIE GRINDER	
DG65	✓
ORDER REF - SECO-DG65	





### NSK ROTUS PNEUMATIC SYSTEM

- One of the only options available for complete flexibility in an air system.
- Similar to the Eneska 3-2 it forms a modular system with interchangeable handpieces
- For an economical and simple system where finer handpieces are necessary.
- Unusually for an air system comes complete with a foot pedal control



NSK ROTUS SYSTEM	
STANDARD SET	✓
ORDER REF - NSKROTUS	

**IM-301 AIR MOTOR**  
3,000-30,000 RPM



<Air Motor with 360° Twist-Free Joint Mechanism>

- Adopted Twist-Free Joint mechanism between the motor and the hose has solved the problem of hose twisting.



### ALL ENESKA 3-2 HANDPIECES

See Joke Catalogue for more information



### OTHER HANDPIECES



**LS-100**  
LUSTER RECIPROCATOR



**ML-SERIES**  
MINI LUSTER



**HG-200**



## AIR FILTERS & REGULATORS

A must for the long life and efficient running of high speed grinders.  
Precision high speed die grinders require dry/clean and lubricated air to enhance the life of your tool and prevent erosion.

### SA-2001 FILTER/REGULATOR LUBRICATOR

This air filter is ideal for the **PUMA** and **TURBO LAPPER** range of Air Tools

A daily check should be carried out to ensure water container is empty and the lubricator is topped up with tool oil.



SA-2001



ORDER REF - AIRSPSA-2001

### NORGREN BL72-201G

High quality air filter / regulator  
Has a finer mist and particle filter  
Keeps your tools cleaner so giving longer life and less down time.



NORGREN BL72-201G



ORDER REF - AIRFILTERREG

### NSK AIRLINE HI207F

Airline only for the Rotus System



AL-H1207F



ORDER REF - NSKALH1207F

### NSK AIRLINE KIT AL-H1206

Connect to the air line for steady air flow with automatic lubrication of the air tool.  
Used with the **NSK Impulse Series air grinders**.  
(See Page 158)

This unit can be wall mounted or carried between jobs using the integral handle



AL-H1206



ORDER REF - NSKALH1206

We supply High grade and Medium grade airline/tool oil for all pneumatic tools

## DIPROFIL MINI FILING MACHINE

Lightweight and a complete ergonomic design, results in more effective finishing and polishing work, especially in narrow and confined spaces.

**FITS ONTO MICROMOTORS AND FLEXIBLE SHAFT MACHINES**

### TECHNICAL INFORMATION

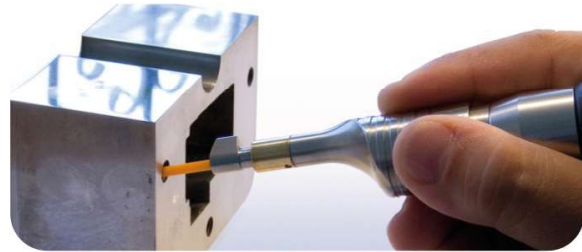
**Tool Holder** : max. diameter 3.5 mm  
**Stroke Length** : 0.5 or 1.0 and 1.5mm  
**Speed** : max. 10,000 rpm  
**Dimensions** : diameter 24 mm  
**Weight** : 120g  
**Noise** : <70dB(A) at 7000 rpm

#### DIPROFIL MINI FILING MACHINE

FMR MINI FILER c/w key & lubricating oil  
(Optional stroke 0.5 or 1.0 and 1.5mm)



ORDER REF - DIPROFILFMR



### ORDERING INFORMATION:

Each available in 5 (0.5mm Stroke length)  
 10 (1.0mm Stroke Length) or 15 (1.5mm Stroke Length)

**FMR/N5 or N10 or N15** - for connection to Diprofil, NSK & Eneska motors 4:1 & 3:2

**FMR/G5 or G10 or G15** - for connection to Urawa, Gesswein & Argofile micromotors

**FMR/B5 or B10 or B15** - for connection to Ball-Joint flexible shafts

**FMR/S5 or S10 or S15** - for connection to Slip-Joint flexible shafts

## FOR FLEXIBLE SHAFTS DIPROFIL FPK/R

### FPK/R SPECIFICATION

**TOOL HOLDER**- 2-6.4mm Ø  
**STROKE** - 0-6 mm  
**SPEED** - Max. 8,000 strokes/min  
 5,000 - 6,000 recommended  
**TOOL RECEPTACLE** - Ø 2 - 6.4mm  
**DRIVE SOURCE** - Flexible Shaft/Slip Joint

## AIR DRIVEN DIPROFIL FPL/R

### FPL/R SPECIFICATION

**TOOL HOLDER** - Max. 3.5mm dia.  
**STROKE** - 0-6mm continuously adjustable  
**SPEED** - Max. 8,000 strokes/min  
 5,000 - 6,000 recommended  
**LUBRICATION** - continuously by oil mist  
**DRIVE SOURCE** - Air Driven  
**TOOL SUPPORT** - Ø 2 - 6.4mm  
**AIR PRESSURE** - 4 bar, Air consumption  
 65 l/min at 8,000 strokes/min

#### DIPROFIL FOR FLEXSHAFTS

FPK/R



ORDER REF - DIPROFILFPK/R



#### DIPROFIL AIR DRIVEN

FPL/R



ORDER REF - DIPROFILFPL/R



AIR DRIVEN  
DIPROFIL FXL/N



**New Technology**  
- Counterweight  
reduces the risk of  
white finger (also  
available on flexshaft,  
micromotor versions)

**FXL/N SPECIFICATION**  
For use with Air Source  
**STROKE LENGTH** - 0 – 6 mm,  
continuously adjustable  
**NO. OF STROKES MAX.** - 7,000 strokes/min  
(5-6,000 strokes/min recommended)  
**TOOL SUPPORT** - Ø 2 - 6.4mm  
**AIR PRESSURE** - 4 bar, Air consumption  
60 l/min at 7,000 strokes/min  
**LUBRICATION** - continuously by oil mist

DIPROFIL AIR DRIVEN	
Di-Pro FXD	✓
ORDER REF - DIPROFIL-DO-PROFXD	



DIPROFIL ACCESSORIES  
AVAILABLE



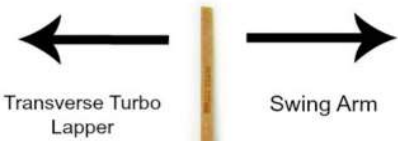
AIR (TURBO) LAPPERS  
Straight and Swing Lappers

**STRAIGHT LAPPER:** 35,000 Strokes a minute.  
**Stroke Lengths :** 0.3mm, 0.7mm or 3mm

**SWING LAPPER:** 15,000 Strokes a minute.  
**Stroke Lengths :** 0.7mm



**STRAIGHT TURBO  
LAPPER**  
0.3mm, 0.7mm or  
3mm stroke length



Both options come complete with all the  
holders to take 1/4 x 1/8" stones, 1x4 ,1x6 or  
3mm dia. ceramic stones

SWING - TRANSVERSE  
TURBO LAPPER  
0.7mm Stroke Length



They are low noise, low vibration but have a  
strong pulse. One of the best tools on the market  
for doing slots and ribs.

TURBO LAPPER		
TYPE	STROKE LENGTH	
SWING (TRANSVERSE)	0.7MM	✓
STRAIGHT	0.3MM, 0.7MM OR 3MM	
ORDER REF - AIRLAPPER		

## HIGHER SPEC PENCIL GRINDER

### GP-380

Better quality pencil grinder with sturdy steel housing.

- 80,000RPM
- 3mm collet

PENCIL GRINDER	
GP-380	✓
ORDER REF - AIR-PENCIL-GP380	



# DOTCO®

**Premium quality air tools for heavy duty work. Long lasting - well made tools.**

All tools (except pencil grinder, type A) supplied with a 'lock off' lever. This minimises the risk of accidental start. Easy one hand operation.



**TYPE F  
RIGHT ANGLE**

All tools come with a range of collets



**TYPE A  
PENCIL GRINDER**



**TYPE C  
5" EXTENDED  
MEDIUM DUTY**



**TYPE E  
5" EXTENDED  
HEAVY DUTY**



**TYPE H  
TURBINE  
(FAST SPEED)**

TOOLS &  
EQUIPMENT

DOTCO AIR TOOLS				
Type	Speed	Capacity	Motor	
Type A - Pencil Grinder	60000	1/4"	0.1HP	✓
Type H - Turbine	100000	3/16"	0.06 HP	✓
Type C - 5" Extended Medium Duty	28000	1/2" or 1"	0.3hp	✓
Type E - 5" Extended Heavy Duty	22000	1", 1.1/2"	0.9HP	✓
Type F - Right Angle	20000	1/2" 1"	0.4HP	✓



AIR FILING MACHINES

Our new air filing machines have very little vibration. They are excellent for deburring, chamfering, grinding and polishing

**SHL-40** For deburring of die cast aluminium products and machined parts.  
 Stroke Speed - 9,000  
 Stroke Length - 4mm  
 File Shank Size - 3mm



MAH-16
✓
ORDER REF - MAH-16

BIA             X DEBURRING TOOLS				
MODEL	BEW309	BEW605	BE309	BE805
Valve	lever	lever	push-start	push-start
Rotational speed (min.-1)	900	500	900	500
Performance (watt)	20	80	20	80
Max. tool mounting (mm)	3 Skt.	6	3	8
Max. bore hole dia. (mm)	10	25	6	25
Counterbore dia. (mm)	6\10	15\25	6	15\25
Collet included	x	x	ZG5 3mm	ZG7 8mm
	✓	✓	✓	✓
ORDER REF - BIA                     X-(MODEL)				

**BEW309, BEW605, BEW606** - This angular designed machine makes possible the deburring of bore holes in difficult to reach areas, eg slanted bore holes that need to be deburred from the inside.

**BE309, BE805** - The straight drilling deburrer is available in two different sizes for various bore holes. The push-start feature eases handling. It is also possible to regulate the rotational speed. To improve handling the attached hoop can be used to hang the machine on a spring pulley.

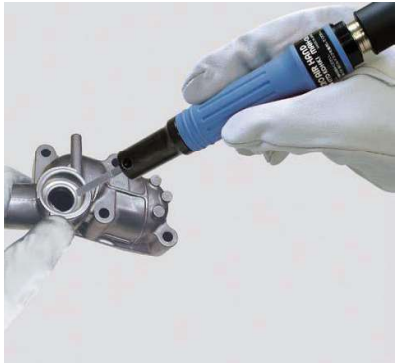
**BIA
 X QUICK-RELEASE 'ONE HAND' COUPLING**  
 (311-366-706)Threaded connector. Type 6  
 N 3667 – male thread R 1/4"



QUICK-RELEASE COUPLING
✓
ORDER REF - BQRC

MAH-16

For fine reciprocating, especially on precision parts.  
 Stroke Speed - 11,000  
 Stroke Length - 2.2mm  
 File Shank Size - 3mm



BIA
 X DEBURRING TOOLS

\*Hose unit included with all tools



BE309



BEW309



BE805



BEW605

PNEUMATIC STRAIGHT GRINDER

SRD3-55/2 - 55,000RPM  
 Rear Exhaust – Twist Valve on/off  
 100 Watt  
 Includes 1.5 metre Air Hose  
 & 1 metre Exhaust Hose  
 Complete with 3mm



SRD355
✓
ORDER REF - BSRD355

BIA
 X COLLETS

Various collets available:  
 1mm, 1.5mm, 2mm,  
 3mm, 3/32" & 1/8"





Please ask for a  
Joke Repair Welding  
catalogue

### JOKE MULTISPOT WELDER

German built Multispot welder. For fast and effective repair welding on precision mould tools. This unique welder gets close to achieving the impossible - laser quality at a fraction of the cost.

- Pulse welding on steel, allows for the finest work with rods down to 0.2mm. Perfect for edge repairs
- Tig Arc welding on steels allowing fine work up to strong welding with or without water cooling torches for heavy Tig work
- Fine Tig arc welding on aluminium with wires down to 1mm can be used
- Allows welding on aluminium finer than ever using a Tig welder



#### JOKE MULTISPOT

**MULTISPOT 3 AC/DC/ PULSE UNIT**



ORDER REF - MULTISPOTUNIT3AC/DC/PULSE



### JOKE EASYPOT WELDER

Entry level multispot welder that allows

- Pulse welding on steels allowing the finest work with rods down to 0.4mm
- Finer than any standard welder allowing great repairs on all wear and edge work
- Tig Arc welding on steels allowing for fine work up to heavier work



#### JOKE EASYPOT

**EASYPOT UNIT**



ORDER REF - EASYPOT-4902160

TOOLS &  
EQUIPMENT

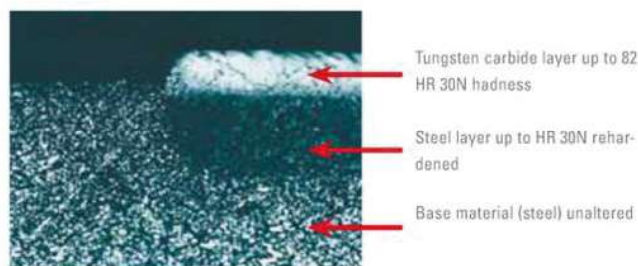
## ENESKA ARECOAT 85

The new Eneska carbide coating unit. A carbide coating is applied by burning a tungsten Carbide electrode at 280 deg C. which generates a surface hardness of 82 HR 30N.

This system has higher voltage (54 volts) and offers stronger and better coating than ever. As well as an optional foot control the ergo handpiece has an operating switch giving much greater control of the plating process. More software development has taken place allowing auto tuning which gives automatic balancing of the ignition timing. Overall this new unit with higher voltage allows for, thicker carbide layers, faster application, better surface finish and reduction in handpiece vibration.



Micro-section magnified 250 times  
uncoated                      coated



Set of tungsten carbide electrodes (24 pieces) 3 tungsten carbide electrodes, per shape and size.

TUNGSTEN ELECTRODES	
ROUND	1 Ø X 50
ROUND	1.3 Ø X 50
ROUND	1.8 Ø X 50
ROUND	2.3 Ø X 50
SQUARE	1.1 Ø X 50
SQUARE	1.6 Ø X 50
SQUARE	2.1 Ø X 50
THREE SQUARE	2.1 Ø X 50

## ELECTRO WAND WELD CLEANER

For quickly removing weld burn/weld discoloration on TIG stainless steel. Safe and reliable "non-pump" method

### Features/Benefits:

- Using a brush and paddle for small and large areas.
- Say goodbye to hazardous and unpleasant pickling pastes/acid baths
- The surface is left unmarked by the cleaning process
- Instantaneous cleaning - simply wipe off with a damp cloth
- Available in 110V and 240V

## EW COMBI KIT INCLUDES;

- The control unit
- Wand assembly to operate brush
- Wand assembly to operate paddle and sock
- Earth lead with crocodile clip
- Mains lead – 110v or 240v
- 1 x pack of EW-500 pads (pack contains 20 pads)
- Stainless steel insert (paddle)
- Long life brush (2 x supplied)
- 0.5 litre of Electro-Wand solution
- Spill proof reservoir for solution



EW-Combi	
Complete kit	✓
ORDER REF - WELDCLEANINGMACHINE	

ELECTRO WAND WELD CLEANER		
CONSUMABLES		
Electro-Wand Pads	20 Per Pack	✓
Electro-Wand Long Life Brush	Per 5	✓
Electro-Wand Solutions	5 Litres	✓
ORDER REF - WELDCLEANING		



**LASER WELDING EQUIPMENT**



Joke's range of laser welders, high quality equipment.  
**Please contact us to ask for more information on Laser Welding Machines for detailed specifications.**



Other German built laser welders. Open, closed and mobile systems available.



**TOOLS & EQUIPMENT**

**SMALL LASER WELDING EQUIPMENT**

Especially useful for jewellers working with platinum and palladium. Particularly useful when fragile stones are at risk with traditional soldering techniques.

**We also offer second hand equipment, please ask for details on our current availability.**





## WELDING WIRES

Extensive range of laser and TIG welding wires in spool and straight length. 0.1mm up to 1.6mm (larger diameters on request)

## NEW RANGE

More types, more diameters and better prices

### P20: FILL W-10 OR SLIGHTLY HARDER H-55- EXCELLENT FOR EDGE WEAR

**FILL W-10** available in .2,.3,.4,.5,.6 in reels .2,.3,.4,.5,.6,1.0,1.2,1.6,2.4 in rods

**FILL H-55** available in .2,.3,.4,.5,.6 in reels .2,.3,.4,.5,.6,.8,1.0,1.2,1.6 2.4 in rods

### H13: FILL M-40 OR HARDER W-22 OR VERY HARD M-45

**FILL M-40** available in .2,.3,.4,.5,.6 in reels .2,.3,.4,.5,.6,.8,1.0,1.2,1.6, in rods

**FILL W-22** available in .2,.3,.4,.5,.6 in reels .2,.3,.4,.5,.6,.8,1.0,1.2,1.6 in rods

### 1.2767: FILL W-25 OR FILL H-55 EXCELLENT FOR EDGE WEAR

**FILL W-25** available in .2,.3,.4,.5,.6 in reels .2,.3,.4,.5,.6,.8,1.0,1.2,1.6 in rods

**FILL H-55** available in .2,.3,.4,.5,.6 in reels .2,.3,.4,.5,.6,.8,1.0,1.2,1.6,2.4 in rods

### D2: FILL W-22 OR SLIGHTLY HARDER FILL H-65 OR FILL H-55

**FILL W-22** available in .2,.3,.4,.5,.6 in reels .2,.3,.4,.5,.6,.8,1.0,1.2,1.6 in rods

**FILL H-65** available in .2,.3,.4,.5,.6 in reels .2,.3,.4,.5,.6,.8,1.0,1.2,1.6 in rods

**FILL H-55** available in .2,.3,.4,.5,.6 in reels .2,.3,.4,.5,.6,.8,1.0,1.2,1.6,2.4 in rods

### ALUMINIUM: FILL A-50 OR HARDER A-70

**FILL A-50** available in .3,.4,.5,.6 in reels .3,.4,.5,.6,1.0,1.6,2.4 in rods

**FILL A-70** available in .3,.4,.5,.6 in reels .3,.4,.5,.6,1.0,1.6,2.4 in rods

### STAVAX: FILL M-50

**FILL M-50** available in .2,.3,.4,.5,.6 in reels .2,.3,.4,.5,.6,1.2 in rods

### COPPER, BRONZE, ALLOYS: FILL G-10

**FILL G-10** available in .2,.3,.4,.5,.6 in reels .3,.4,.5,.6,1.0,1.2,1.6,2.4 in rods

### TITANIUM: FILL S-90

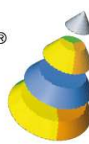
**FILL S-90** available in .3, .5mm reels



## MASS FINISHING

P169 - 172 - VIBRO FINISHING  
P173 - 175 - SHOT BLASTING  
P176 - MAGNETIC DEBURRING  
P177 - ULTRASONIC TANKS  
P178 - SURFACE TESTING

**RÖSLER®**  
*finding a better way ...*



With over 30 years experience in Mass Finishing we offer both the right machine and media for the job, whilst also offering the on going support from our experienced team, backed up by the Rosler team in both the UK and Germany, "why settle for anything less".

Case studies have shown us that as customers look for consistency and quality, they are all asking questions about mass vibro finishing, and with the technology now we are able to offer finished parts in batch sizes of 100 within in 45 minutes deburred and polished.





MINI BOWLS FOR FINISHING & POLISHING

Small rumbling bowls are a very inexpensive way of mass finishing. They are capable of working small to moderate batches of components. They can be used for deburring, polishing, texturing, machine line removal on any metal or plastic part. Acoustic lid effectively reduces noise to make this machine highly suitable for small factory space.

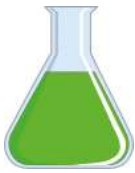
Available in 3 sizes.

LIQUID COMPOUND

The foundation of the modern surface finishing process.

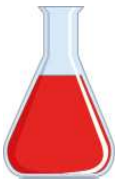
- It removes contaminants such as metal and/or media fines from the process
- Keeps components and media clean
- Ensures media performs properly

These are the two most popular types



FC120  
(Green)

Universal cleaning & polishing - best for polishing especially with plastic media.



FC115  
(Pink)

Corrosion protection for ferrous metals- Ideal with ceramic media for grinding

VIBRO LIQUID			
	1 Litre	5 Litre	25 Litre
FC120	✓	✓	✓
FC115	✓	✓	✓
ORDER REF - FC...			

MINI BOWLS			
MODELS	AV25	AV40	AV75
Outside dia.	355mm	430mm	530mm
Bowl depth	152mm	175mm	240mm
Capacity	5 litre	9 litre	23 litre
Work load	X	15 kg	30 kg
	✓	✓	✓
ORDER REF - AV(25, 40 or 75)			

These small bowls are very popular for small scale parts particularly jewellery, aerospace parts, motorbike & car parts, laser cut parts etc

- Small batch sizes
- Delicate processing with less aggressive media, through to heavy duty deburring
- Ideal for cleaning up castings and rust removal
- Simple to use and time efficient
- Speed up production with an automated system
- Dry polishing processes for mirror finishing



CHOOSING ROSLER MEDIA

MATERIAL - Ceramic, Porcelain, Plastic or Walnut Shell & Maize

- **Ceramic** media offers more cut, normally used for deburring and cleaning metals. We also offer a pre-polishing media which is ideal for flattening metal prior to polishing. It is often less expensive compared with plastic media. Suited to harder metals such as steel.
- **Plastic** media is more suitable for aluminium and softer materials. The characteristics are more variable than ceramic. Smoother finishes can be achieved.
- **Porcelain Pins** can be used for effective polishing, ideal for any metal.
- **Dry Organic Media** is used for polishing, often it is impregnated. (Walnut shell & Maize)



## ROSLER MEDIA

For over 50 years Rosler have produced high-quality ceramic media. They also produce plastic media and environmentally-friendly surface finishing compounds. Quality is the key factor to their success, consumables are produced in accordance with the DIN EN ISO 9001 quality control standards.



ROSLER MEDIA	
	Media Type Per 25kg
Ceramic	RM 5mm Balls
	RAH 10/15 S Angle Triangle
	RSF 07/07 D Triangle
Porcelain	RP 4/5 ZS Porcelain Pins
Plastic	RKH/4 15K Cone
	RKF 10 P Pyramid
	RKF/O 20 Pyramid
	RKS/G 20 K Cone
	RPE 40 P Pyramid
PLEASE CALL FOR PRICE & DELIVERY	
ORDER REF - MEDIA-PLA (OR CER)-	

## POLISHING MEDIA

### RP 4/5 ZS

#### PORCELAIN PINS

(conditioned) Used with FC120 for polishing to a high reflective mirror shine. Metal must be prepared for the best results



### IMPREGNATED WALNUT SHELL

also available for polishing, please enquire for details



## CERAMIC MEDIA

**RAH 10/15 S ANGLE CUT TRIANGLES (GREY)** General purpose for medium to large machines - this shape is ideal for deburring applications. Would also work well on laser cut parts where edge work is required. A useful size and shape.

### RSF 07/07 D TRIANGLE (CREAM)

Pre-polishing media. Specially designed for medium grinding properties where a very flat surface is achieved. This could be used before porcelain pins or hand polishing to get up to a mirror finish. Also works on holes and edges.



**RM 5MM G BALL (GREY)** This media is a round ball shape giving mild action rolling around over the component. They work very evenly across the surface and are less likely to pack into internal areas.

## PLASTIC MEDIA



**RKH/4 15 K CONE (PINK)** These pink cones are excellent for pre-polishing. They give good cut but leave a very smooth flat surface finish. Using these cones before walnut shells, porcelain pins or hand polishing will give a very good mirror finish. These cones will roll over most surfaces and will deburr edges.

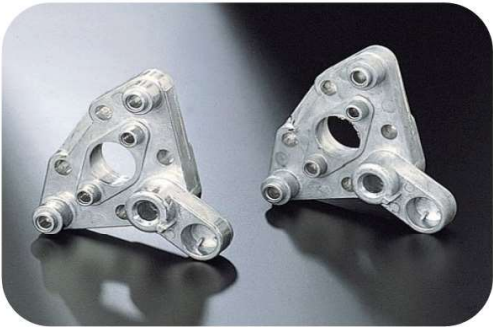
**RKF 10 P PYRAMID (YELLOW)** These yellow pyramids are excellent for subtle work, many machined parts are cut to a high tolerance with delicate threads. It contains very little grit so it can be used for polishing and cleaning machined parts. Where a sharp edge needs taking back to a precision edge. The finish is bright and smooth unlike more aggressive media.

**RKF/O 20 PYRAMID (ORANGE)** Pyramids are brilliant for edge work. Medium grit, it will leave a fine finish.

**RKS/G 20 K CONE (YELLOW)** Medium to fine grade. For cleaning and deburring.

**RPE 40 P PYRAMID (YELLOW)** 40mm pyramids for use in large vibro machines for working on large components. Medium to coarse grade.





Rosler mass finishing machines offer an ideal solution to automation of processes. Deburring and creating a uniform surface finish on any metal or plastic component



**HIGH ENERGY FKS**  
Centrifugal Machines



Vibro bowls available in a range of sizes with or without media/ component separation

**WASTE WATER CENTRIFUGAL SYSTEMS**  
Re-circulation systems available



**WHEEL POLISHING MACHINE**  
Ideal for both cut and polish



MASS  
FINISHING

## DRAG FINISHING MACHINE

The most powerful mass finishing process.  
Very popular for medical implants



## TUMBLE BELT SHOT BLASTER

Particularly good for castings



## CENTRIFUGAL MACHINES

With a two step process



**Send us your samples for polishing/deburring  
OR CALL FOR A QUOTE TODAY  
See how cost effective this can be..  
01722 711988**

We have a Rosler demonstration area with a range of Rosler Eco machines in a variety of sizes to suit a spectrum of production volumes.

**Please call us to make an appointment to visit**





CABINET 50

CABINET 25

CABINET 10



**BLAST MEDIA/AIR WASH GUN**

Trigger operated blast gun c/w tungsten carbide nozzle. Option of 3 nozzle sizes 4mm, 6mm, 8mm. Media flow “Off” facility gives operator an air wash facility.

**INTEGRAL EXTRACTION \***

Efficient extraction is the key to successful blasting etc. Integral extraction eliminates trunking and being compact requires less floor space.

**EXTERNAL LIGHTING**

Ensures maximum visibility, enclosed in its own housing and protected by the viewing window, minimises any possible accidental damage to the light.

**MEDIA DOOR RELEASE**

Simple and extremely fast media change ensuring minimum downtime.

**SIDE DOOR ENTRY**

Large side door entry allowing easy loading of large components.

**POWDER COATING**

All machines are degreased and powder coated for maximum life and durability.

\* Not included in Cabinet 10

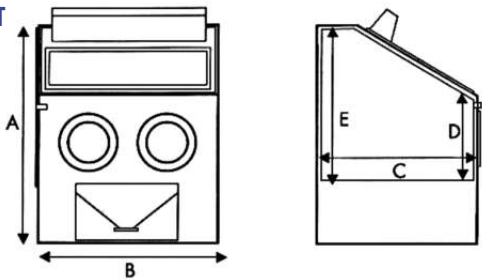


Accessories available – details on request spare guns & nozzles, acetate sheets, shotblast gauntlets

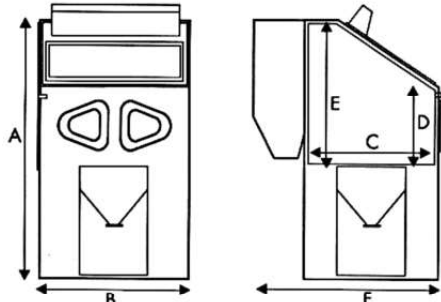
**ABRASIVE BLASTING MACHINES**

For surface texturing & cleaning

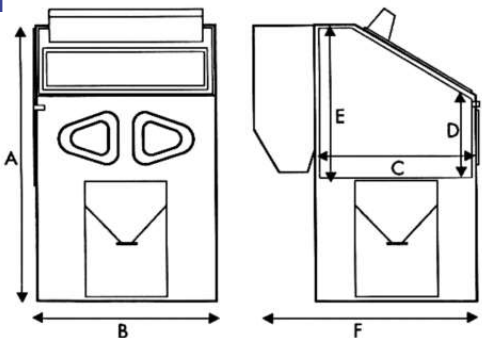
CABINET 10



CABINET 25



CABINET 50



CABINET 10	
Dimensions	
A	820
B	770
C	540
D	300
E	520
	✓
ORDER REF - BLASTCAB10	

CABINET 25	
Dimensions	
A	1680
B	815
C	610
D	460
E	760
F	915
	✓
ORDER REF - BLASTCAB25	

CABINET 50	
Dimensions	
A	1680
B	915
C	760
D	455
E	770
F	1070
	✓
ORDER REF - BLASTCAB50	



**PVC SHOT BLASTING GAUNTLETS**

See glove page 187





### SHOT BLASTING MEDIA

For use with abrasive blasting machines.



**ALOXITE GRIT**  
Please ask for  
more details  
Sold Per 25kg

ALOXITE GRIT	
Per 25 kg	
25kg	✓
50-100kg	✓
125-225kg	✓
250kg +	✓
ORDER REF - ALOXITE	

ALOXITE GRIT	
Grades Available	
12, 16, 24, 36, 46,	
60, 90, 100, 120,	
150, 180, 240, 320	

### PLASTIC MEDIA FOR WET OR DRY BLASTING

**UREA** - most commonly used, middle hardness of the thermoset plastics. Random/Blocky/Angular shape.

**MELAMINE** - most aggressive and hardest.

**ACRYLIC** - least aggressive - ideal for delicate component cleaning. Does not shatter on impact, but wears down.

**POLYCARBONATE** - used for cryogenic deflashing or deburring of rubber or aluminium diecast products.



**GLASS BEADS**  
Leaves a shiny,  
bright finish.  
Sold Per 25kg

GLASS BEADS	
Per 25 kg	
25kg	✓
50-100kg	✓
125-225kg	✓
250kg +	✓
ORDER REF - GLASSBEAD	

GLASS BEADS	
Grades Available	
0/44 (Fine)	
50/100	
100/150	
150/300	
300/400	
400/600	



### JOKE SMALL BLASTING UNIT

Bench top unit for really intricate blasting.

Nozzles are 1.0mm and 1.2mm diameter.

Cabinet is 550 x 520 x 400mm.



### JOKE OPEN MICRO FINE BLASTING UNIT

Open system allowing detailed shot blasting to be done on a large component.

Nozzle is 1.2mm diameter.



### ROSLER AUTOMATED SHOTBLASTING

Rosler offers an impressive range of shotblasting units both manual and automated, suitable for all industries. Take out the time consuming hand processes and achieve a consistent finish on batches.

This particular unit features a rotating basket with adjustable shot blasting nozzles directed at the basket. A fully automated system.





## INTRODUCING .....



### A NEW CONCEPT IN DEBURRING AND FINISHING

- A magnetic deburring and polishing machine for small precision parts in medical, electronics and aerospace industries.
- Eliminates costly and timely hand deburring processes in minutes.
- Rotating and magnetic discs under the surface of the machine activate the media where the components are immersed in a processing liquid.



- Eliminates the inconsistency of hand deburring.
- Creates a uniformity to the surface of the components in a single cost-effective operation.



Non ferrous metals including aluminium, brass, stainless steel and titanium can be deburred and fine finished, however, most steels, certain plastics and precious metals can also be processed without any effect on tolerances or damage to delicate areas and as a result will achieve a bright smooth finish.

- The gentle process means that it does not degrade corners or edges of components
- Ideal for use on external and internal threads, slots, chamfers and intersecting holes
- The shape and size of the media means it will not lodge or jam in or around the features of the component.
- The machines can be programmed at a slow speed for deburring or sped up for finishing and polishing. Processes can be tweaked to suit individual requirements.



## ULTRASONIC CLEANERS

Ultrasound means vibration generated by frequencies inaudible to the human ear- (above 20 kHz). In liquids this causes small bubbles which break within a fraction of a second. This imploding results in high liquid movement which rapidly removes contaminations from the surface. All types of unit are made from stainless steel and have the added benefit of having heaters and timers.



### ULTRASONIC 3D

Tank Measurement:  
238 x 138 x 100 mm  
Tank Capacity: 3 Litres  
Ultrasound Power: 120 (w)  
Operations Frequency (KHz): 40  
Built in heater 0 - 80 °  
Degas



### ULTRASONIC 6D

Tank Measurement:  
302 x 152 x 150 mm  
Tank Capacity: 6 Litres  
Ultrasound Power: 180 (w)  
Operations Frequency (KHz): 40  
Built in heater 0 - 80 °  
Degas  
Drainage Tap

## MAIN FEATURES

- Industrial grade cleaners
- Built in heater
- Stainless Steel basket and lid included
- Degas feature
- Timer (0-60mins)
- Ultra quiet operation
- Stainless Steel tank
- Full CE and RoHS approval
- 24 month warranty

Multiple Usages: Jewellery, Dental, Optics, Laboratory, Watches, Electronic, Small Machine Parts

### SONIC 6 CLEANER

General purpose cleaner, added to the water for degreasing.



#### SONIC 6 CLEANER

5 Litres



ORDER REF - CLEAN

#### ULTRASONIC CLEANING TANKS

3D

3-Litres



6D

6-Litres



ORDER REF - ULTRASONIC

## JOKE RANGE OF ULTRASONIC CLEANERS

We can offer a full range of Joke ultrasonic cleaners ranging in size internally from 190x85x60 to 700x600x500 (up to 200 Litres)

**BASIC CLEAN** one power with sweep and degassing mode all 37khz

**THE ECO-CLEAN SERIES** are particularly durable. The sweep function ensures optimum sound distribution in the cleaning bath by electronic oscillation of the sound field. Powerclean offers an aggressive cleaning mode while switching to Softclean allows gentle action on more sensitive and delicate components.

The **MULTI-FREQUENCY** units offer complete control over the cleaning process but also allows both sweep and degassing modes. Degassing is required to get the optimum cleaning effect, as if air is on the surface of the parts the bubbles become too big and rather than implode, escape from the liquid.



**WE CAN QUOTE FOR ANY SIZE OF INSTALLATION WITH AGITATION OR OTHER SPECIFIC REQUIREMENTS**

In addition industrial units can be custom manufactured to practically any shape and dimensions. Larger industrial units are powered by using ultrasonic submersible transducers and external generators, which are welded stainless steel units with braided stainless steel hoses connecting power to the generators.

### MOORE & WRIGHT SURFACE ROUGHNESS TESTER - MTR110

The Surfmatic MTR110 is a pocket sized surface roughness measuring instrument ideally suited to rapid on-the-spot surface measurements. Conforms to ISO Class 3.

Features:

- Back-light LCD
- Dynamic Test Display: progress of cut-off length during testing
- Li-ion rechargeable batteries
- Protection slide on pick-up
- Auto-off after 90 seconds
- Pocket-size and economically priced
- Both Ra and Rz parameters in one instrument
- Features external calibration specimen
- Large measuring range suitable for most materials
- Piezo-electric pick-up stylus for external surfaces
- Includes steel test piece
- Includes charger unit
- Measurements of shafts above 40mm diameter using the Vee groove in base



**Please contact us for price and availability**

### SURFACE ROUGHNESS TESTER - R-135

Handheld surface roughness tester for external surfaces and grooves. The R-135 is a portable, battery-powered instrument for checking surface roughness, with the measured values displayed on a digital readout display. The instrument can be used in laboratory, inspection area, workshop, or wherever on-site surface roughness testing is required.

Features:

- Pocket-sized and economically priced!
- External and internal finish testing with swivable tracer
- Ra and Rz parameters in one instrument and all available after each individual test
- Standard 9V battery (not included)
- Three cut-off 0.25mm, 0.8mm and 2.5mm, adjustable to 1-3-5 times
- Piezo-electric pick-up stylus for external surfaces with diamond tip of 2 micron according to the latest ISO standards
- With data output



**Please contact us for price and availability**



## SAFETY & INSPECTION

P180 - 181 - LIGHTING  
P182 - OPTIVISORS  
P183 - EXTRACTION  
P184 - WORK HOLDING  
P185 - 188 - PPE

With safety always being top of our minds we have aligned ourselves with some of the top manufacturers in the UK to offer you a range of PPE to keep you safe in the work place.

Also in this section you will find all of the equipment needed to light up your inspection area and magnify the work piece.





## MAGNIFIER FLUORESCENT BENCH LIGHTS

Combined 5" diameter magnifier lens and circular fluorescent tubes, gives even, shadow-free light. Creating a daylight effect without reflection. Excellent for colour matching, electronic ballast built into arm. Accept 22, 28 and 30 watt fluorescent tubes. 220 volt supplied, complete with 1.8 metre cable and 22 watt tube. Easy positioning and adjustment. Optional bench clamp.



**MODEL M1  
- MEDIUM ARM**

525mm arm reach. Fully adjustable for rotational direction and reach.

**M1 LIGHT LED**



**ORDER REF - LIGHT-M..**



**MODEL M3 -  
LONG ARM**

1230mm arm reach. Fully adjustable for rotational direction and reach.

**M3 LIGHT LED**



**ORDER REF - LIGHT-M..**



**MODEL M4 - SHORT ARM**

Constructed with a wide, stable base making it easily portable. Fully adjustable, easily suited for inspection lighting purposes.

**M4 LIGHT FLURO**



**ORDER REF - LIGHT-M..**



## FLEXIBLE INSPECTION LIGHT LED

This 370mm long and 6.4mm Diameter flexible LED light is perfect for lighting-up hard to reach areas. It can be immersed in water, gasoline and oil. Perfect for engines, tools, machinery etc.

### FLEXIBLE INSPECTION LIGHT

**Length of Flexy**

**370mm long Flexy**



**REF - LIGHT-FLEXINSPEC-2PL**



### LIGHTING ACCESSORIES

**Portable Bench Clamp**



**Replacement Daylight Tube**



**ORDER REF - LIGHT**

## JOKE LOUPE WITH LED LIGHTS

6 LED's ensure shadow-free illumination. The 21 mm lens system consists of 3 glass lenses which guarantee colour error-corrected and distortion-free images. The LED's are supplied by 3 x LR927 button cell batteries.



**LED LOUPE**



**ORDER REF - JOKE-0200538**

## QUARTZ HALOGEN LAMPS

Glare-free bench lamps, concentrates light onto work piece through the reflection lens built into the luminaire lamp head. Can be fitted to existing low power supply- 24 volt only. Models fitted with transformer connect direct to standard 220-240 volt supply. Complete with 1.8 metre cable. Easily bolted to work bench- optional surface bench or side clamp for portable use, a movable side bench clamp, strong magnetic base or metal table base

**Please state voltage/watts required**



MODEL H1T LED	
<b>H1T</b>	✓
ORDER REF - LIGHT-H1	

### MODEL H1 (H1T) - MEDIUM ARM

445mm arm reach. Fully adjustable for rotational direction and reach. 240v with transformer and LED bulbs



MODEL H2T LED	
<b>H2T</b>	✓
ORDER REF - LIGHT-H2	

### MODEL H2T - LONG ARM

830mm arm reach. Fully adjustable for rotational direction and reach. 240v with transformer and LED bulbs



MODEL H3 HA	
<b>H3</b>	✓
ORDER REF - LIGHT-H3	

### MODEL H3 - SHORT ARM

H3 – Without transformer, requires 24 volt supply with 75 watt bulb, or 12 volt supply with 55 watt bulb.



MODEL H4	
<b>H4T HALOGEN</b>	✓
<b>H4T LED</b>	✓
ORDER REF - LIGHT-H4	

### MODEL H4 (H4T) - FLEXIBLE ARM

500mm arm reach. H4T – With transformer. Bulb power 20 watts or 35 watts.



LIGHTING ACCESSORIES	
<b>Magnetic Base</b>	✓
<b>Table Base</b>	✓
<b>Replacement Bulbs:</b>	
<b>PLEASE CONTACT US</b>	
ORDER REF - LIGHT	

### DAY LIGHT LAMP D35500

- 51cm (20") wide shade gives even spread of light over a large area
- Colour temperature 6,000°Kelvin
- CRI 80
- 2 step dimmer
- Head joint holds multi-positions allowing to direct the light where it is needed
- Long reach arm 108cm (42.5") with internal springs



DAY LIGHT LAMP	
<b>D35500</b>	✓
REF - LIGHT-DAYLIGHT	

DONEGAN OPTIVISOR

- Lenses made from ground glass
- Adjustable head band
- Tilts up for convenience
- Light weight and comfortable
- Interchangeable lens plate



DONEGAN OPTIVISOR	
COMPLETE	✓
ORDER REF - OPTIVISORDA..	

OPTILOUPE

An auxiliary lens which may be fastened either side of the Optivisor for additional magnification (up to 6 x).



OPTILOUPE	
UP TO 6X MAGNIFICATION	✓
OVOL	

LENS PLATES

Lens plates can easily be removed and changed.



LENS PLATES	
ALL MAGNIFICATIONS	✓
ORDER REF - OVLPGA..	



VISOR LIGHT

Hands Free - Clips onto the Optivisor and gives 6000 candle power- 5 to 6 hours of battery life.

VISOR LIGHT	
COMPLETE VISOR LIGHT	✓
REPLACEMENT BULB	✓
ORDER REF - OPTIVISOR-LIGHT	

VISOR ONLY OV12

No lens plate included.

OV12 OPTIVISOR	
WITHOUT LENS	✓
ORDER REF - OPTIVISOROV-12	

Order OptiVISOR® in any of these six lens options:

OptiVISOR

As seen by  
normal vision



Item No. DA-2  
Magnifies 1 1/2X  
at 20"



Item No. DA-3  
Magnifies 1 3/4 X  
at 14"



Item No. DA-4  
Magnifies 2 x  
at 10"



Item No. DA-5  
Magnifies 2 1/2 X  
at 8"



Item No. DA-7  
Magnifies 2 3/4 X  
at 6"



Item No. DA-10  
Magnifies 3 1/2 X  
at 4"



OptiLOUPE Option  
Item No. LP1  
Monocular attachable  
lens, adds 2 1/2 X to  
all models

## BOFA EXTRACTION SYSTEMS

High Quality **British Made** Extraction Systems

We offer the full range of Bofa fume and dust extraction systems to suit a number of industries. From very simple to highly specialised, these systems are easily tailored to meet your health and safety requirements.



BOFA DUST EXTRACTION	
240V DO142A	✓
ORDER REF - BOFA-DP250	



## LASER FUME EXTRACTION

Specialist extraction units for laser welding. For applications that generate particulate and gaseous volatile organic compounds (VOC's) involved in laser engraving, marking and coding.

## DUST EXTRACTION

Customisable systems to suit deburring and polishing operations. Bofa offer a great range of accessories to suit your working set up.



## DUST & CHIP EXTRACTOR

Mobile workshop extractor, suitable for attachment to most static workshop machines, including: polishers, finishers, saws and planers.

- Very strong
- 230v
- Supplied with a 30 micron filter, the additional 2 micron filter is advised
- Vibration free and quiet operation
- Industrial quality motor for maximum performance.
- 1700Pa vacuum pressure.
- 150mm dust inlet (or 2 x 100mm)



DUST EXTRACTION	
DC1100A Dust Extraction System	✓
2 Micron Fine Filter	✓
Clear Hose 4" Diameter 2.5m long	✓
Collection Bags Per 10	✓
ORDER REF - DUSTEXTRACTOR	



## MAGNETIC CLAMPING BALLS

Comfortable and ergonomic 3-dimensional working. Ideal for polishing and welding. The powerful magnetic chuck of the Magic-ball is activated using the key supplied (partial activation is also possible for positioning). Excellent quality - German made



MAGNETIC CLAMPING BALLS			
MAGNET DIMENSIONS (MM)	BALL DIMENSIONS (Ø X H) AT 0°		ORDER REF
80mm Ø	Ø 128 X 104 mm	✓	JOKE-0200323
100mm Ø	Ø 158 X 129 mm	✓	JOKE-0200324
130mm Ø	Ø 188 X 145 mm	✓	JOKE-0200325
160mm Ø	Ø 218 X 164 mm	✓	JOKE-0200326

## POSITIONER

For flexible polishing of smaller workpieces: the ball joint can be rotated in all directions and fixed with a clamping lever. In addition, the magnet can be rotated by 360° and fixed through a clamping lever.

Freely rotatable ball joint, rotation range magnet: 360°

Magnet dimensions: Ø 125 x 48 mm

Pivot Range: 0-55°

POSITIONER	
Positioner Joke Junior	✓
ORDER REF - JOKE-0200049	



## CLAMPING TABLE

With 300mm Ø support plate to hold different magnetic chucks. Grid holes M10 4 x 90° for mechanical clamping without magnetic chucks.

Base plate dimensions: 540 x 420 mm

Turntable height:

ca. 130mm

Weight: 63kg



## CLAMPING TABLE DS 300

Workpieces up to 200kg can be clamped and pivoted within a range of 0 - 100° and rotated by 360° on the turntable. The turntable locking and self-locking pivoting drive ensure a secure hold of the workpiece in any working position. The grid bore support plate with M10 tensioning medium can be used to clamp any workpiece. A selection of different magnetic chucks is available for the clamping table.

DS 300 CLAMPING TABLE	
540 x 420 mm	✓
ORDER REF - JOKE-0200300	

ROUND MAGNETS FOR DS300	
MAGNET DIMENSIONS (MM)	
Ø 160 x 75mm	✓
ORDER REF - JOKE-0200314	

### VICES

Bench top vices are mainly used for holding small plastic or metal parts. The vices both have a ball joint allowing full movement of the vice. A simple clamp allows screwing to any workbench.

#### SMALLER SIZE - ROTATING AND REVERSIBLE CLAMP 1 B WITH PLASTIC JAWS

For clamping to workbenches up to 80 mm thick.  
Jaw width: 46 mm  
Clamping length: 50 mm  
Clamp depth: 35 mm



ROTATING & REVERSIBLE CLAMP		
VICE 1B		
With Plastic Jaws		✓
ORDER REF - JOKE-0200002		
VICE 2B		
With Aluminium Jaws		✓
ORDER REF - JOKE-0200015		

#### LARGER SIZE - ROTATING AND REVERSIBLE CLAMP 2 B WITH ALUMINIUM JAWS

For clamping to workbenches up to 80 mm thick.  
Jaw width: 80 mm  
Clamping length: 100 mm  
Clamping depth: 52 mm



JUNIOR BALL JOINT VICE		
For Clamping		✓
ORDER REF - JOKE-0200055		

#### JUNIOR BALL JOINT VICE

With rippled hardened steel jaws (smooth jaws available as accessory)  
For clamping to worktops up to 75mm thick  
Jaw width: 80mm  
Clamping length: 65mm  
Clamp depth: 50mm



#### TYVEK DISPOSABLE COVERINGS

Disposable Coverall Without Hood  
17006 S/M/L  
17007 XL/XXL  
Zip front fastening, elasticated waist, wrist and ankles



#### TYVEK DISPOSABLE HOOD

Complete cover for hair and neck, elasticated face opening  
**One Size**

APRONS		
LEATHER APRONS		
Heavy duty, with patch		✓
ORDER REF - LEATHERAPRON-PATCH		
PVC APRONS		
Black, 48 x 36"		✓
ORDER REF - APRON		

#### LEATHER APRON

Full chrome leather apron with front patch- heavy duty

TYVEK DISPOSABLES		
Hoods	Pk 10	✓
Coveralls	Individually	✓
ORDER REF - TYVEK		

**3M 9322 MASK**

Respiratory protection against fine dusts, oil and water-based mists. Three panel design for improved comfort, fit and communication. Disposable.

**Packed in boxes of 10**



**3M 8710E MASK**

Reliable and effective protection from fine particles. Comfortable, light-weight fit for most face shapes. Durable collapse-resistant inner shell. Disposable.

**Packed in boxes of 20**



**MASK UC-DM**

Disposable

**Packed in boxes of 50**



**3M 8812 MASK**

Disposable nuisance mask with cool flow valve. Particularly good for hot and humid conditions for comfortable protection. Durable collapse resistant inner shell. Disposable.

**Packed in boxes of 10**



**SAFETY GLASSES**

- Strong functional eyewear
- Lightweight, tough, good looking
- Wraparound one piece lens provides front and side barrier to flying debris
- Wide frontal and peripheral view



SAFETY GLASSES		
SAFETY GLASSES	Pair	✓
ORDER REF - SAFETYGLASSESNAS		

**FFP2**

Moulded disposable mask with valve



DISPOSABLE MASKS		
FFP2 (PER 10)		✓
ORDER REF - DM-FFP2		

**FFP3**

Fold flat disposable vertical mask with valve.



DISPOSABLE MASKS		
FFP3 (PER 10)		✓
ORDER REF - DM-FFP3		

**SLEEVE PROTECTORS**

15" Green PVC/Nylon sleeves. Can be worn with PVC gauntlets for added protection for the upper arm



SLEEVES		
Green PVC AP425 15"	Pair	✓
ORDER REF - AP425GREENPVCSLEEVES		

**NUISANCE MASKS**

Disposable masks suited to respiratory protection during polishing

NUISANCE MASKS		
MASK	PACK QTY	BOX
UC-DM	box 50	✓
3M 8710E	box 20	✓
3M 8812	box 10	✓
3M 9322	box 10	✓
ORDER REF - DM-101W OR (DM3M...)		





**COTTON/CHROME GC116**



**STOCKINETTES**



**LATEX GLOVES**

## STANDARD RIGGER

Excellent quality leather gloves



## S5 TIGER RIGGER

Reflective safety strip  
Comfort and safety  
Value and quality



## S6 HEAVY DUTY RIGGER

Deluxe quality side split red leather gauntlet with contrasting welt. Fully lined and welted with Kevlar Stitching



## LEATHER GLOVES

Double Palm



## RED PVC GAUNTLETS

High quality gauntlet offering superior resistance to chemicals, oils and greases. Smooth finish for sensitive and flexible handling.



## SHOTBLASTING GAUNTLETS

24" Rubber

GLOVES		
STOCKINETTE GLOVES		
STOCKINETTE	Per 10 Pairs	✓
COTTON/CHROME GLOVES		
GC116	Per Pair	✓
RIGGER GLOVES		
Red S6	Per Pair	✓
Standard	Per Pair	✓
Tiger S5	Per Pair	✓
LEATHER GLOVES		
Double palm	Per Pair	✓
PVC GAUNTLETS (Red)		
M606 560mm size 10	Per Pair	✓
SHOTBLASTING GAUNTLETS (Black)		
24" Rubber	Per Pair	✓
LATEX GLOVES		
Powdered latex gloves 100 per box	Per box	✓
ORDER REF - GLOVES		





The Switch and Go unit comes complete with a white nylon head top. Jetstream® Switch and Go pack Contains: PSL Filter, Hose, Charger, Carry Case, Battery, White Nylon Headtop, Flow Meter & UK Plug.

JETSTREAM HOOD SWITCH & GO

Sold with UK plug charger and P2 filters. This is an affordable fully approved unit to EN2941. Jetstream® is a belt-mounted rechargeable respirator with a large capacity disposable dust filter. Waist belt and power unit weighs just 765g. Jetstream® delivers 180 lt/min of air through the filter via a highly flexible hose to the desired headtop.

JETSTREAM FILTERS		
FILTER	MASK	
P2 Dust	Force 10	✓
P3 Dust		✓
A1 Organic		✓
ORDER REF - DM		

FILTERS

To fit the Force 10. Full Facemask



JETSTREAM - SWITCH & GO	
JETSTREAM HOOD	✓
REPLACEMENT FILTER TH2PSL	✓
BAG	✓
ORDER REF - DM-JETSTREAMSYS-1	

JETSTREAM FILTERS		
FILTER	MASK	
P2 Dust	Force 10	✓
P3 Dust		✓
A1 Organic		✓
ORDER REF - DM		

	Glyphosate (weed killer)	Water based painting	Dusts	Mists	Fibres - Fiber glass	Plaster	Welding (ferrous & lead)	Woods	Silica	Asbestos removal	Organic vapours	Nuisance odours	White spirit
P2	✓	✓	✓	✓	✓	✓	✓	✓					
P3	✓	✓	✓	✓	✓	✓		✓	✓	✓			
A1											✓	✓	



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*finding a better way ...*

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We have an excellent range of Rosler Vibratory Finishing Machines available to view on site.

We also have the facility to run samples to find the best process for you.

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We offer the unique combination of experience in mass finishing and hand finishing to provide the best possible finish.



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- Hand Finishing
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- Vibratory Finishing

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**UNIT 5 WHADDON BUSINESS PARK**  
**SALISBURY, WILTSHIRE**  
**SP5 3HF**  
**TEL: 01722 711988**  
**FAX: 01722 711820**

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