



# Metallographic Materials



High speed  
stone grinder

*Cutting*

*Mounting*

*Grinding*

*Polishing*

*Microscopes*

*Hardness  
Test Blocks &  
Indenters*

# 2016

## Price List

## General Purpose Abrasive Cut-off Wheels

	PACK	CAT NO.	PRICE
<b>TYPE 3H</b>			
Very hard ferrous materials in the range Rc 60+			
250 x 1.6 x 32 mm	10	10 99 21	<b>£73.40</b>
300 x 2.0 x 32 mm	10	10 99 31	<b>£87.55</b>
350 x 2.5 x 32 mm	10	10 99 41	<b>£135.00</b>

<b>TYPE 2HA</b>			
Tough materials eg ferrous Rc 40-55 and nickel based alloys			
250 x 1.6 x 32 mm	10	10 99 22	<b>£73.40</b>
300 x 2.0 x 32 mm	10	10 99 32	<b>£87.55</b>
350 x 2.5 x 32 mm	10	10 99 42	<b>£135.00</b>

<b>TYPE 33H</b>			
Medium hard ductile steels			
250 x 1.6 x 32 mm	10	10 99 23	<b>£73.40</b>
300 x 2.0 x 32 mm	10	10 99 33	<b>£87.55</b>
350 x 2.5 x 32 mm	10	10 99 43	<b>£135.00</b>

<b>TYPE 2H</b>			
General purpose ferrous materials Rc 25-40			
250 x 1.6 x 32 mm	10	10 99 24	<b>£73.40</b>
300 x 2.4 x 32 mm	10	10 99 35	<b>£99.00</b>

<b>TYPE H</b>			
Very hard wheel for ferrous tube			
250 x 1.6 x 32 mm	10	10 99 27	<b>£73.40</b>
250 x 2.0 x 32 mm Reinforced	10	10 99 27R	<b>£101.00</b>

<b>TYPE T2</b>			
Titanium, aluminium and copper alloys. Resin bonded			
250 x 1.6 x 32 mm	10	10 99 28	<b>£102.50</b>

## Rapier Abrasive Cut-off Wheels - featuring coolcut technology

<b>TYPE FES</b>			
Very hard ferrous materials in the range Rc 60+			
250 x 1.5 x 32 mm	10	10 98 21	<b>£83.00</b>
300 x 2.0 x 32 mm	10	10 98 31	<b>£159.00</b>
350 x 2.5 x 32 mm	10	10 98 41	<b>£181.00</b>

<b>TYPE FEM</b>			
Tough materials eg ferrous Rc 40-55 and superalloys			
250 x 1.5 x 32 mm	10	10 98 22	<b>£83.00</b>
300 x 2.0 x 32 mm	10	10 98 32	<b>£159.00</b>
350 x 2.5 x 32 mm	10	10 98 42	<b>£181.00</b>

<b>TYPE FEH</b>			
General ferrous materials Rc 25-40 and case hardened specimens			
250 x 1.5 x 32 mm	10	10 98 23	<b>£83.00</b>
300 x 2.0 x 32 mm	10	10 98 33	<b>£159.00</b>
350 x 2.5 x 32 mm	10	10 98 43	<b>£181.00</b>

<b>TYPE T1</b>			
Titanium aluminium and copper alloys for cutters without extraction			
250 x 1.5 x 32 mm	10	10 98 28	<b>£101.00</b>
300 x 2.0 x 32 mm	10	10 98 38	<b>£153.00</b>
350 x 2.5 x 32 mm	10	10 98 48	<b>£173.00</b>

## Superthin Abrasive Cut-off Wheels

	PACK	CAT NO.	PRICE
<b>TYPE F</b>			
Superthin wheels for ferrous materials where ultimate cut surface without burning is essential. Most suitable for cutters with extraction.			
230 x 0.8 x 32 mm	10	10 99 19	<b>£129.00</b>
250 x 1.0 x 32 mm	10	10 99 26	<b>£142.00</b>
300 x 1.2 x 32 mm	10	10 99 36	<b>£164.00</b>
300 x 0.8 x 32 mm	10	10 98 36	<b>£146.00</b>
350 x 1.4 x 32 mm	10	10 99 46	<b>£165.00</b>

NEW

<b>TYPE T</b>			
Superthin wheels for titanium and aluminium alloys for burn free cuts. Most suitable for cutters with extraction.			
250 x 1.0 x 32 mm	10	10 99 20	<b>£142.00</b>
300 x 1.2 x 32 mm	10	10 99 30	<b>£164.00</b>

## Laser Abrasive Cut-off Wheels For use with large orbital cutting machines.

<b>TYPE FES</b>			
For large section, very tough superalloys and induction hardened steels.			
406 x 3.2 x 32 mm	10	10 99 52	<b>£211.00</b>

<b>TYPE FEM</b>			
General purpose tough superalloys and hardened steels.			
406 x 3.2 x 32 mm	10	10 99 53	<b>£211.00</b>

## Laser Abrasive Cut-off Wheels For use with very large cutting machines.

<b>TYPE FES</b>			
For large section, very tough super alloys and hardened steels.			
432 x 3.2 x 32 mm	10	10 99 432	<b>£286.00</b>
432 x 3.2 x 32 mm Reinforced	10	10 99 432R	<b>£304.00</b>
508 x 4.2 x 32 mm Reinforced	10	10 99 502R	<b>£365.00</b>

<b>TYPE FEM</b>			
General purpose tough super alloys and case hardened steels.			
432 x 3.2 x 32 mm	10	10 99 433	<b>£286.00</b>

<b>TYPE T4</b>			
For large sections of titanium, aluminium and copper alloys.			
406 x 1.5 x 32mm	10	10 99 408	<b>£227.00</b>
432 x 3.2 x 32 mm	10	10 99 438	<b>£305.00</b>

<b>TYPE T6</b>			
For very large sections of titanium, aluminium and copper alloys.			
500 x 3.9 x 32 mm	10	10 99 508	<b>£326.00</b>

<b>TYPE T7</b>			
For very large sections of titanium burn free.			
500 x 2.4 x 32 mm Rubber bond	10	10 99 510	<b>£331.00</b>

**Diamond Cut-off Wheels - For use with variable speed precision cutters**

	PACK	CAT NO.	PRICE
<b>TYPE - HIGH CONCENTRATION</b>			
For use on ferrous metals, medium hard ceramics, spray coatings, MM composites & PC Boards			
75 x 0.15 x 12.7 mm	ea	10 07 50	<b>£239.00</b>
100 x 0.30 x 12.7 mm	ea	10 10 50	<b>£279.00</b>
125 x 0.40 x 12.7 mm	ea	10 12 50	<b>£319.00</b>
150 x 0.50 x 12.7 mm	ea	10 15 55	<b>£418.00</b>
175 x 0.60 x 12.7 mm	ea	10 18 50	<b>£499.00</b>

**TYPE - LOW CONCENTRATION**

For use on hard ceramics, glass & rock

75 x 0.15 x 12.7 mm	ea	10 07 51	<b>£239.00</b>
100 x 0.30 x 12.7 mm	ea	10 10 51	<b>£279.00</b>
125 x 0.40 x 12.7 mm	ea	10 12 51	<b>£319.00</b>
150 x 0.50 x 12.7 mm	ea	10 15 56	<b>£418.00</b>
175 x 0.60 x 12.7 mm	ea	10 18 51	<b>£499.00</b>

**TYPE - CUBIC BORON NITRIDE - HIGH CONC.**

For rapid cutting Fe, Ni & Co base alloys

75 x 0.15 x 12.7 mm	ea	10 07 60	<b>£201.00</b>
100 x 0.30 x 12.7 mm	ea	10 10 60	<b>£240.00</b>
125 x 0.40 x 12.7 mm	ea	10 12 60	<b>£251.00</b>
150 x 0.50 x 12.7 mm	ea	10 15 60	<b>£334.00</b>
175 x 0.60 x 12.7 mm	ea	10 18 60	<b>£396.00</b>

**Superfine Abrasive Cut-off Wheels**  
For use with precision cutters

**TYPE HNF**

For ferrous materials and superalloys.

<b>NEW</b> 100 x 0.25 x 12.7 mm	5	10 99 15	<b>£43.90</b>
100 x 0.40 x 12.7 mm	5	10 99 01	<b>£43.90</b>
125 x 0.40 x 12.7 mm	5	10 99 02	<b>£49.50</b>
150 x 0.45 x 12.7 mm	5	10 99 03	<b>£54.20</b>
180 x 0.80 x 12.7 mm	5	10 17 20	<b>£58.50</b>

**TYPE T5**

For titanium, aluminium and copper alloys.

150 x 0.45 x 12.7 mm	5	10 99 07	<b>£56.65</b>
180 x 0.80 x 12.7 mm	5	10 17 28	<b>£64.40</b>

**Diamond Cut-off Wheels - Petrographic, Ceramics**

**TYPE - CONTINUOUS RIM**

For rocks and petrographic samples

100 x 0.40 mm	ea	10 10 40	<b>£144.00</b>
150 x 1.00 mm	ea	10 15 40	<b>£158.00</b>
200 x 1.35 mm	ea	10 20 40	<b>£207.00</b>
250 x 1.35 mm	ea	10 25 40	<b>£280.00</b>
300 x 1.60 mm	ea	10 30 40	<b>£441.00</b>
350 x 1.70 mm	ea	10 35 40	<b>£553.00</b>

NB. PLEASE SPECIFY ARBOUR SIZE WHEN ORDERING

**Diamond Cut-off Wheels - General purpose**

	PACK	CAT NO.	PRICE
<b>TYPE - RESIN BONDED</b>			
For use with standard, single speed metallurgical cutters for very hard materials eg. tungsten carbide and ceramics			
200 x 1.5 x 32 mm	ea	10 20 60	<b>£304.00</b>
250 x 1.5 x 32 mm	ea	10 25 60	<b>£421.00</b>
300 x 1.5 x 32 mm	ea	10 30 60	<b>£489.00</b>
350 x 1.5 x 32 mm	ea	10 35 60	<b>£582.00</b>

**Accessories for cutting machines**

**TYPE - COOL**

Advanced cutting fluid for use in recirculating systems for lubrication and corrosion protection.

1 litre	10 90 01	<b>£21.20</b>
5 litre	10 90 05	<b>£68.85</b>

**TYPE - BIOCLEAN**

Bacterial disinfectant - Add to cool recirculation tank monthly to prevent bacterial growth and bad odours.

1 litre	10 90 08	<b>£25.40</b>
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**TYPE - DIALUB**

Advanced cutting oil for use with diamond and CBN blades in precision cutters

1 litre	11 11 00	<b>£21.10</b>
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**TYPE - DIALUB 2**

Synthetic water based lubricant for use with diamond and CBN blades in precision cutters

1 litre	11 11 01	<b>£21.10</b>
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**DRESSING STICK** For use with diamond and CBN blades

12 x 12 x 100 mm	each	10 90 02	<b>£18.75</b>
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<b>ANTI FOAM AGENT</b>	60 ml	10 90 09	<b>£10.70</b>
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<b>ANTI MIST GEL</b>	60 ml	9200 4304	<b>£25.75</b>
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**FILTER BAGS**

For Brillant 265, 275, 285 recirc.	9200 8739	<b>£30.70</b>
For Brillant 200, 230, 250 recirc.	9200 8741	<b>£29.40</b>
For Brillant 200, 230, 250 recirc. plastic	9500 7759	<b>£29.40</b>
For Settling tank steel 290x150x190	9200 5993	<b>£29.40</b>
For Settling tank steel 250x200x155	9500 7760	<b>£29.40</b>



## Cold Mounting Systems

	PACK	CAT NO.	PRICE
<b>KLEER-SET</b>			
Polyester resin/hardener system giving glass clear mounts. Curing time: 40 mins			
KLEER-SET FF Resin and hardener	1Kg	11 10 81	<b>£33.00</b>
KLEER-SET FF Resin and hardener	5Kg	11 10 82	<b>£91.50</b>

<b>TRI-HARD</b>			
3 part powder/liquid system giving exceptional hardness and low shrinkage for use in exacting applications where specimen edge retention is of paramount importance. Cure time 15mins.			
TRI-HARD Kit Regular			
1.5Kg powder/1L liquid 2/500ml liquid 1		11 10 41	<b>£130.00</b>
TRI-HARD Kit Large			
6Kg powder/4L liquid 2/2L liquid 1		11 10 49	<b>£493.00</b>

<b>VARI-SET</b>			
Acrylic powder/liquid system offered in two different hardness levels. Powders can be mixed to obtain intermediate levels of hardness. Minimal shrinkage ensures ultimate edge preparation. Curing time 10 mins.			
VARI-SET 10 Powder soft clear	1Kg	11 10 27	<b>£50.70</b>
VARI-SET 20 Powder hard green	1Kg	11 10 28	<b>£50.70</b>
VARI-SET 10/20 liquid	0.5L	11 10 29	<b>£24.80</b>

<b>QUICK-SET 2</b>			
Acrylic powder/liquid system giving a fast cure time of 5 mins, combining ease of use with minimal shrinkage and low odour.			
QUICK-SET Powder blue	1Kg	11 10 35	<b>£50.70</b>
QUICK-SET Liquid	0.5L	11 10 36	<b>£24.80</b>

<b>ACRI-KLEER</b>			
The most transparent powder/liquid cold mounting system, without using a pressure chamber. Curing time - 8 mins.			
ACRI-KLEER Powder clear	1Kg	11 10 44	<b>£83.40</b>
ACRI-KLEER Liquid	1L	11 10 47	<b>£33.50</b>

<b>CRYSTAL-KLEER</b>			
Quick setting acrylic which becomes glass clear using a pressure chamber			
Crystal-Kleer Powder	1Kg	11 10 50	<b>£49.20</b>
Crystal-Kleer Liquid	1L	11 10 55	<b>£44.80</b>

<b>EPO-SET</b>			
Epoxy resin/hardener system, low shrinkage. Curing time approx. 6 hours.			
EPO-SET Resin	1Kg	11 10 61	<b>£47.50</b>
EPO-SET Hardener	250g	11 10 62	<b>£24.30</b>

<b>EPO-FLO</b>			
Extremely low viscosity epoxy system for vacuum infiltration of porous materials. Curing time approximately 2½ hours at 40-50°C. Very low shrinkage			
EPO-FLO Resin	1Kg	11 10 65	<b>£51.60</b>
EPO-FLO Hardener	0.3Kg	11 10 66	<b>£29.80</b>
EPO-FLO Resin	3Kg	11 10 67	<b>£145.50</b>
EPO-FLO Hardener	1Kg	11 10 68	<b>£91.80</b>

## Mounting Accessories

MOULDS for cold mounting.

<b>Round silicone rubber</b>					
DIA.	HEIGHT	PACK	CAT NO.	PRICE	
25 mm	20 mm	1	11 30 01	<b>£7.85</b>	
30 mm	20 mm	1	11 30 02	<b>£8.10</b>	
32 mm	20 mm	1	11 30 03	<b>£8.10</b>	
40 mm	25 mm	1	11 30 05	<b>£9.30</b>	
50 mm	25 mm	1	11 30 06	<b>£14.10</b>	

<b>Rectangular silicone rubber</b>					
LENGTH	WIDTH	HEIGHT		CAT NO.	PRICE
55 mm	30 mm	22 mm	ea	11 30 10	<b>£15.70</b>
70 mm	40 mm	22 mm	ea	11 30 11	<b>£20.90</b>
100 mm	50 mm	22 mm	ea	11 30 12	<b>£30.90</b>

<b>MET-MOULDS</b>					
Polypropylene 2 part					
30mm Dia		10	11 30 17	<b>£20.50</b>	
1¼" Dia		10	11 30 18	<b>£20.50</b>	
40mm Dia		10	11 30 20	<b>£21.50</b>	

<b>SILICONE mould release</b>					
Aerosol		400 ml	11 30 23	<b>£18.00</b>	
Grease		100 g	11 30 22	<b>£11.00</b>	

<b>MIXING CUPS</b> Graduated		100	11 30 30	<b>£18.50</b>	
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<b>STIRRING STICKS WOODEN</b>		500	11 30 32	<b>£15.30</b>	
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<b>UNICLIP</b>					
Specimen mounting device for holding sheet material, PCBs, wire and irregular small shapes. Tripod design to minimise interference at the prepared surface.					
UNICLIP plastic tripod (Black)		100	11 30 43	<b>£24.00</b>	
UNICLIP plastic tripod (Blue)		100	11 30 44	<b>£24.00</b>	
UNICLIP plastic tripod (Red)		100	11 30 45	<b>£24.00</b>	
UNICLIP plastic tripod (Green)		100	11 30 46	<b>£24.00</b>	
UNICLIP plastic tripod (Yellow)		100	11 30 47	<b>£24.00</b>	

<b>CLAMP SPRING CLIPS</b>					
for mounting thin samples.					
CLAMP Stainless steel		100	11 30 40	<b>£30.80</b>	
CLAMP Plastic		100	11 30 41	<b>£30.50</b>	

<b>SAMPLE IDENTIFICATION LABELS</b>					
Self adhesive		200	11 99 11	<b>£5.50</b>	
Plain backed		200	11 99 12	<b>£5.50</b>	

<b>SPECIMEN PROTECTIVE LACQUER</b>					
Aerosol		400ml	11 30 25	<b>£14.30</b>	



Hot Mounting Compounds

	PACK	CAT NO.	PRICE
<b>PHENOLIC</b>			
Mounting compounds for general purpose applications, economical in use.			
<b>BAKELITE S</b>			
Black	2.5 Kg	11 20 011	<b>£25.35</b>
	25 Kg	11 20 07	<b>£129.00</b>

<b>BAKELITE R</b>			
Red	2.5 Kg	11 20 021	<b>£29.80</b>
	25 Kg	11 20 08	<b>£172.00</b>

<b>EDGE-MOUNT</b>			
Mounting compound for improved edge retention.			
Black	2.5 Kg	11 99 04	<b>£51.30</b>
	25 Kg	11 99 05	<b>£359.00</b>

<b>CONDUCTO-MOUNT</b>			
Conductive mounting compound - for SEM.			
Black	2.5 Kg	11 99 01	<b>£69.00</b>
	25 Kg	11 99 02	<b>£389.00</b>

<b>CONDUCTO-MOUNT 2</b>			
Improved conductive mounting, hard with exceptional edge retention - for SEM.			
Black	1 Kg	11 99 06	<b>£44.30</b>
	2.5 Kg	11 99 07	<b>£89.00</b>

	PACK	CAT NO.	PRICE
<b>DAP-MOUNT</b>			
Diallylphthalate resin thermosetting, glass filled for low shrinkage and good edge retention.			
Blue	1 Kg	11 20 105	<b>£43.30</b>
	2.5 Kg	11 20 106	<b>£98.00</b>

<b>EPO-MOUNT</b>			
Glass filled, for the ultimate in edge retention.			
Black	1 Kg	11 20 11	<b>£41.20</b>
	2.5 Kg	11 20 111	<b>£77.70</b>

<b>EPO-MOUNT 2</b>			
For use with poor or damaged moulds for the ultimate edge retention.			
Black	1Kg	11 20 31	<b>£41.20</b>
	2.5Kg	11 20 32	<b>£77.70</b>

<b>KLEER-MOUNT</b>			
Transparent acrylic resin, used when it is essential to observe specimens through the mounting material.			
Transparent	1Kg	11 20 21	<b>£33.00</b>
	2.5 Kg	11 20 95	<b>£62.80</b>
	25kg	11 20 96	<b>£398.00</b>

<b>CRYSTALLITE</b>			
Transparent resin with minimal shrinkage and high hardness. Can be used as a facing with Kleer-Mount to minimise cost.			
	1.5Kg	11 99 15	<b>£64.60</b>



Programmable Mounting Press 50mm max



Automatic Mounting Press 40mm max

## Silicon Carbide Waterproof Abrasive Papers

## PLAIN BACKED

	PACK	CAT NO.	PRICE
<b>DISCS 203 mm</b> Dia plain backed			
Grit size P60	100	13 99 00	<b>£40.80</b>
Grit size P80	100	13 99 01	<b>£37.20</b>
Grit size P120	100	13 99 03	<b>£33.00</b>
Grit size P180	100	13 99 05	<b>£28.90</b>
Grit size P240	100	13 99 07	<b>£28.90</b>
Grit size P320	100	13 99 09	<b>£28.90</b>
Grit size P400	100	13 99 10	<b>£28.90</b>
Grit size P600	100	13 99 12	<b>£28.90</b>
Grit size P800	100	13 99 13	<b>£28.90</b>
Grit size P1200	100	13 99 15	<b>£28.90</b>
Grit size P2500	100	13 99 18	<b>£45.90</b>
Grit size P4000	100	13 99 19	<b>£76.40</b>

## DISCS 230 mm Dia plain backed

Grit size P60	100	13 23 00	<b>£52.10</b>
Grit size P80	100	13 23 01	<b>£44.60</b>
Grit size P120	100	13 23 03	<b>£38.90</b>
Grit size P180	100	13 23 05	<b>£35.50</b>
Grit size P240	100	13 23 07	<b>£35.50</b>
Grit size P320	100	13 23 09	<b>£35.50</b>
Grit size P400	100	13 23 10	<b>£35.50</b>
Grit size P600	100	13 23 12	<b>£35.50</b>
Grit size P800	100	13 23 13	<b>£35.50</b>
Grit size P1200	100	13 23 15	<b>£35.50</b>
Grit size P2500	100	13 23 18	<b>£53.50</b>
Grit size P4000	100	13 23 19	<b>£95.80</b>

## DISCS 250 mm Dia plain backed

Grit size P60	100	13 25 00	<b>£66.10</b>
Grit size P80	100	13 25 01	<b>£61.10</b>
Grit size P120	100	13 25 03	<b>£45.20</b>
Grit size P180	100	13 25 05	<b>£42.00</b>
Grit size P240	100	13 25 07	<b>£42.00</b>
Grit size P320	100	13 25 09	<b>£42.00</b>
Grit size P400	100	13 25 10	<b>£42.00</b>
Grit size P600	100	13 25 12	<b>£42.00</b>
Grit size P800	100	13 25 13	<b>£42.00</b>
Grit size P1200	100	13 25 15	<b>£42.00</b>
Grit size P2500	100	13 25 18	<b>£64.10</b>
Grit size P4000	100	13 25 19	<b>£124.70</b>

## DISCS 305 mm Dia plain backed

Grit size P60	100	13 99 30	<b>£87.40</b>
Grit size P80	100	13 99 31	<b>£69.90</b>
Grit size P120	100	13 99 33	<b>£58.90</b>
Grit size P180	100	13 99 35	<b>£53.80</b>
Grit size P220	100	13 99 36	<b>£53.80</b>
Grit size P240	100	13 99 37	<b>£53.80</b>
Grit size P320	100	13 99 39	<b>£53.80</b>
Grit size P400	100	13 99 40	<b>£53.80</b>
Grit size P500	100	13 99 41	<b>£53.80</b>
Grit size P600	100	13 99 42	<b>£53.80</b>
Grit size P800	100	13 99 43	<b>£53.80</b>
Grit size P1000	100	13 99 44	<b>£53.80</b>
Grit size P1200	100	13 99 45	<b>£53.80</b>
Grit size P2500	100	13 99 48	<b>£91.00</b>
Grit size P4000	100	13 99 49	<b>£171.70</b>

## ROLLS 76 mm x 20 M

Grit size P120	ea	13 80 03	<b>£18.00</b>
Grit size P180	ea	13 80 05	<b>£15.90</b>
Grit size P240	ea	13 80 07	<b>£15.90</b>
Grit size P320	ea	13 80 09	<b>£15.90</b>
Grit size P400	ea	13 80 10	<b>£15.90</b>
Grit size P600	ea	13 80 12	<b>£15.90</b>
Grit size P800	ea	13 80 13	<b>£15.90</b>
Grit size P1200	ea	13 80 15	<b>£15.90</b>

## ADHESIVE BACKED

	PACK	CAT NO.	PRICE
<b>DISCS 203 mm</b> Dia adhesive backed			
Grit size P60	100	13 20 50	<b>£65.00</b>
Grit size P80	100	13 20 51	<b>£61.10</b>
Grit size P120	100	13 20 53	<b>£52.75</b>
Grit size P180	100	13 20 55	<b>£46.45</b>
Grit size P240	100	13 20 57	<b>£46.45</b>
Grit size P320	100	13 20 59	<b>£46.45</b>
Grit size P400	100	13 20 60	<b>£46.45</b>
Grit size P600	100	13 20 62	<b>£46.45</b>
Grit size P800	100	13 20 63	<b>£46.45</b>
Grit size P1200	100	13 20 65	<b>£46.45</b>
Grit size P2500	100	13 20 68	<b>£66.40</b>
Grit size P4000	100	13 20 69	<b>£112.80</b>

## DISCS 250 mm Dia adhesive backed

Grit size P60	100	13 25 50	<b>£92.60</b>
Grit size P80	100	13 25 51	<b>£86.70</b>
Grit size P120	100	13 25 53	<b>£75.40</b>
Grit size P180	100	13 25 55	<b>£67.80</b>
Grit size P240	100	13 25 57	<b>£67.80</b>
Grit size P320	100	13 25 59	<b>£67.80</b>
Grit size P400	100	13 25 60	<b>£67.80</b>
Grit size P600	100	13 25 62	<b>£67.80</b>
Grit size P800	100	13 25 63	<b>£67.80</b>
Grit size P1200	100	13 25 65	<b>£67.80</b>
Grit size P2500	100	13 25 68	<b>£99.90</b>

## DISCS 305 mm Dia adhesive backed

Grit size P60	100	13 30 50	<b>£131.00</b>
Grit size P80	100	13 30 51	<b>£122.35</b>
Grit size P120	100	13 30 53	<b>£117.00</b>
Grit size P180	100	13 30 55	<b>£99.90</b>
Grit size P240	100	13 30 57	<b>£99.90</b>
Grit size P320	100	13 30 59	<b>£99.90</b>
Grit size P400	100	13 30 60	<b>£99.90</b>
Grit size P600	100	13 30 62	<b>£99.90</b>
Grit size P800	100	13 30 63	<b>£99.90</b>
Grit size P1200	100	13 30 65	<b>£99.90</b>
Grit size P2500	100	13 30 68	<b>£129.00</b>

## Abrasive Belts Waterproof

## SILICON CARBIDE cloth belts 100 x 915 mm

Grit size P60	10	13 51 00	<b>£48.10</b>
Grit size P80	10	13 51 01	<b>£45.50</b>
Grit size P120	10	13 51 03	<b>£40.80</b>
Grit size P180	10	13 51 05	<b>£40.80</b>
Grit size P240	10	13 51 07	<b>£40.80</b>
Grit size P400	10	13 51 10	<b>£40.80</b>

## ALUMINIUM OXIDE cloth belts 100 x 915 mm

Grit size P60	10	13 99 80	<b>£45.30</b>
Grit size P80	10	13 99 81	<b>£39.80</b>
Grit size P120	10	13 99 83	<b>£38.00</b>
Grit size P180	10	13 99 85	<b>£38.00</b>
Grit size P240	10	13 99 87	<b>£38.00</b>
Grit size P400	10	13 99 90	<b>£38.00</b>

## ZIRCONIA cloth belts 100 x 915 mm

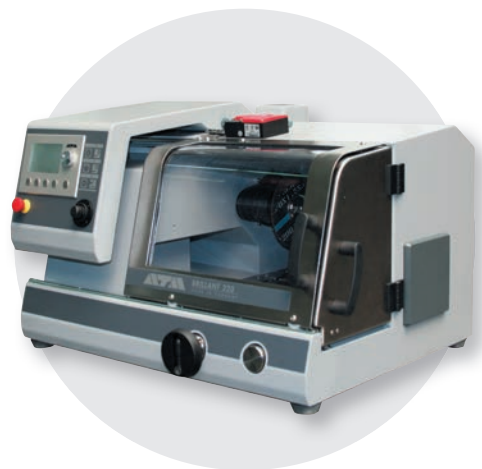
Grit size P60	10	13 51 20	<b>£65.55</b>
Grit size P80	10	13 51 21	<b>£63.80</b>
Grit size P120	10	13 51 23	<b>£63.80</b>

## GRIT-GRABBERS Double sided adhesive discs for use with plain backed SiC papers. Can be used repeatedly

203 mm dia	10	13 90 03	<b>£23.40</b>
254 mm dia	10	13 90 04	<b>£29.65</b>
305 mm dia	10	13 90 06	<b>£37.65</b>
Aerosol Spray Adhesive	400ml	13 90 05	<b>£16.60</b>

METALLOGRAPHIC PREPARATION

Cutters | Mounting Presses | Grinders | Polishers | Microscopes



## Planar Grinding M

### Cameo Platinum Series

Suitable for primary and fine grinding ferrous and super alloys. Used to replace SiC abrasive paper to maximise efficiency and minimise waste.

PACK	CAT NO.	PRICE
<b>DISCS 200mm (8") Dia Magnetic Backed</b>		
	Grit size P80 - 100	ea 12 20 00 <b>£62.85</b>
	Grit size P120 - 150	ea 12 20 01 <b>£51.30</b>
	Grit size P220 - 320	ea 12 20 02 <b>£48.40</b>
	Grit size P400 - 600	ea 12 20 03 <b>£48.40</b>
	Grit size P1000	ea 12 20 04 <b>£48.40</b>

<b>DISCS 250mm (10") Dia Magnetic Backed</b>		
	Grit size P80 - 100	ea 12 25 00 <b>£73.15</b>
	Grit size P120 - 150	ea 12 25 01 <b>£60.35</b>
	Grit size P220 - 320	ea 12 25 02 <b>£57.70</b>
	Grit size P400 - 600	ea 12 25 03 <b>£57.70</b>
	Grit size P1000	ea 12 25 04 <b>£57.70</b>

<b>DISCS 300mm (12") Dia Magnetic Backed</b>		
	Grit size P80 - 100	ea 12 30 00 <b>£98.90</b>
	Grit size P120 - 150	ea 12 30 01 <b>£81.40</b>
	Grit size P220 - 320	ea 12 30 02 <b>£77.25</b>
	Grit size P400 - 600	ea 12 30 03 <b>£77.25</b>
	Grit size P1000	ea 12 30 04 <b>£77.25</b>

### Zirconia Series

Cloth discs PSA - use with magnoplates

Suitable for primary grinding all materials to remove cutting marks and disturbed layer. The primary advantage of this material is its very long life and cool cutting characteristics, when compared to SiC.

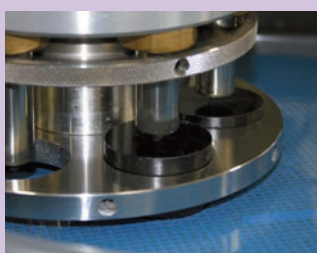
<b>DISCS 203mm (8") Dia PSA</b>		
	Grit size P60	25 12 20 50 <b>£57.90</b>
	Grit size P80	25 12 20 51 <b>£51.75</b>
	Grit size P120	25 12 20 53 <b>£51.75</b>

<b>DISCS 254mm (10") Dia PSA</b>		
	Grit size P60	25 12 25 50 <b>£92.75</b>
	Grit size P80	25 12 25 51 <b>£82.80</b>
	Grit size P120	25 12 25 53 <b>£82.80</b>

<b>DISCS 305mm (12") Dia PSA</b>		
	Grit size P60	25 12 30 50 <b>£116.30</b>
	Grit size P80	25 12 30 51 <b>£109.65</b>
	Grit size P120	25 12 30 53 <b>£109.65</b>



Central Pressure



Individual Pressure

### Galaxy Series NEW

Top quality high concentration diamond grinding discs suitable for all grinding and primary polishing for steels, nickel base and titanium alloys.

PACK	CAT NO.	PRICE
<b>DISCS 200mm (8") Dia Magnetic Backed</b>		
	Grit size P80 - 100 red	ea 9500 5521 <b>£64.90</b>
	Grit size P300 - 320 green	ea 9500 5522 <b>£53.90</b>
	Grit size P500 - 600 blue	ea 9500 5523 <b>£51.55</b>
	Grit size P1000 - 1200 yellow	ea 9500 5524 <b>£51.55</b>

<b>DISCS 250mm (10") Dia Magnetic Backed</b>		
	Grit size P80 - 100 red	ea 9500 4310 <b>£72.75</b>
	Grit size P300 - 320 green	ea 9500 4311 <b>£63.10</b>
	Grit size P500 - 600 blue	ea 9500 4312 <b>£59.85</b>
	Grit size P1000 - 1200 yellow	ea 9500 4313 <b>£59.85</b>

<b>DISCS 300mm (12") Dia Magnetic Backed</b>		
	Grit size P80 - 100 red	ea 9500 4314 <b>£91.20</b>
	Grit size P300 - 320 green	ea 9500 4315 <b>£82.00</b>
	Grit size P500 - 600 blue	ea 9500 4316 <b>£79.20</b>
	Grit size P1000 - 1200 yellow	ea 9500 4317 <b>£79.20</b>

### Magnobase

Attachment to polishing platens to enable all our magnetic products.

MAGNETIC DISCS			
200 mm Dia	ea	16 20 15	<b>£15.95</b>
250 mm Dia	ea	16 25 15	<b>£19.00</b>
300 mm Dia	ea	16 30 15	<b>£25.00</b>

### Magnoplane

Steel disc with one side adhesive coated to attach multiple plain SiC discs for magnetic applications.

STEEL DISCS, ADHESIVE COATED			
203 mm Dia	5	13 90 13	<b>£46.00</b>
254 mm Dia	5	13 90 14	<b>£52.00</b>
305 mm Dia	5	13 90 16	<b>£61.50</b>

### Magnoplate

For use with self adhesive abrasive papers and polishing cloths in conjunction with Magnobase.

PLATED STEEL DISC			
200 mm Dia	5	16 20 10	<b>£27.50</b>
254 mm Dia	5	16 25 10	<b>£35.75</b>
305 mm Dia	5	16 30 10	<b>£41.80</b>
305 mm Dia Stainless steel M	ea	16 30 11	<b>£14.50</b>



## Fine Grinding M

### Cameo Silver & Gold Series

The Cameo Silver and Cameo Gold are a new type of fine grinding disc which deliver a constant stock removal rate. They can be used to replace many traditional grinding steps from 240 to 1200 grit where silicon carbide abrasive paper is commonly used. This reduces the number of steps in your procedure resulting in considerable cost savings and waste reduction, and optimum flatness is achieved. The Matrix pattern optimises the effectiveness of the MetPrep diamond suspension applied, by ensuring continuous and even distribution during the grinding process.

#### CAMEO SILVER For medium hard to very hard materials >400HV

Discs 200 mm (8") dia magnetic	ea	12 20 10	<b>£51.50</b>
Discs 250 mm (10") dia magnetic	ea	12 25 10	<b>£62.50</b>
Discs 300 mm (12") dia magnetic	ea	12 30 10	<b>£71.10</b>

#### CAMEO GOLD For soft ferrous and non-ferrous materials

Discs 200 mm (8") dia magnetic	ea	12 20 15	<b>£49.00</b>
Discs 250 mm (10") dia magnetic	ea	12 25 15	<b>£60.20</b>
Discs 300 mm (12") dia magnetic	ea	12 30 15	<b>£68.50</b>

#### IMPORTANT FEATURES

- Cost efficient - one Cameo disc replaces many SiC abrasive papers.
- Patented surface profile ensures even stock removal.
- The micro pools spread and recycle the diamond suspension which substantially reduces the usage compared to other systems.
- The stock removal rates of Cameo discs are unsurpassed, giving short preparation times and a perfectly flat surface.
- Cameo discs can be used on manual and automatic polishers.

### Diamond Disc Series

Metal bond, raised spot pattern - magnetic

#### DISCS 200 mm (8") Dia metal bond, magnetic backed

10 micron	ea	14 20 34	<b>£82.00</b>
40 micron	ea	14 20 37	<b>£82.00</b>
75 micron	ea	14 20 38	<b>£86.00</b>

#### DISCS 250 mm (10") Dia metal bond, magnetic backed

10 micron	ea	14 25 34	<b>£136.50</b>
40 micron	ea	14 25 37	<b>£136.50</b>
75 micron	ea	14 25 38	<b>£141.00</b>

#### DISCS 300 mm (12") Dia metal bond, magnetic backed

10 micron	ea	14 30 34	<b>£195.50</b>
40 micron	ea	14 30 37	<b>£195.50</b>
75 micron	ea	14 30 38	<b>£201.00</b>

Resin bond, raised spot pattern - magnetic

#### DISCS 200 mm (8") Dia Resin bond, magnetic backed

3 micron	ea	14 20 42	<b>£72.00</b>
9 micron	ea	14 20 44	<b>£72.00</b>
30 micron	ea	14 20 46	<b>£72.00</b>

#### DISCS 250 mm (10") Dia Resin bond, magnetic backed

3 micron	ea	14 25 42	<b>£120.00</b>
9 micron	ea	14 25 44	<b>£120.00</b>
30 micron	ea	14 25 46	<b>£120.00</b>

#### DISCS 300 mm (12") Dia Resin bond, magnetic backed

3 micron	ea	14 30 42	<b>£159.00</b>
9 micron	ea	14 30 44	<b>£159.00</b>
30 micron	ea	14 30 46	<b>£159.00</b>

**SiC Discs Plain** - use with Magnoplane (Pg7) for magnetic applications

	PACK	CAT NO.	PRICE
<b>DISCS 203 mm</b> Dia plain backed			
Grit size P60	100	13 99 00	<b>£40.80</b>
Grit size P80	100	13 99 01	<b>£37.20</b>
Grit size P120	100	13 99 03	<b>£33.00</b>
Grit size P180	100	13 99 05	<b>£28.90</b>
Grit size P240	100	13 99 07	<b>£28.90</b>
Grit size P320	100	13 99 09	<b>£28.90</b>
Grit size P400	100	13 99 10	<b>£28.90</b>
Grit size P600	100	13 99 12	<b>£28.90</b>
Grit size P800	100	13 99 13	<b>£28.90</b>
Grit size P1200	100	13 99 15	<b>£28.90</b>
Grit size P2500	100	13 99 18	<b>£45.90</b>
Grit size P4000	100	13 99 19	<b>£76.40</b>

#### DISCS 250 mm

	PACK	CAT NO.	PRICE
<b>DISCS 250 mm</b> Dia plain backed			
Grit size P60	100	13 25 00	<b>£66.10</b>
Grit size P80	100	13 25 01	<b>£61.10</b>
Grit size P120	100	13 25 03	<b>£45.20</b>
Grit size P180	100	13 25 05	<b>£42.00</b>
Grit size P240	100	13 25 07	<b>£42.00</b>
Grit size P320	100	13 25 09	<b>£42.00</b>
Grit size P400	100	13 25 10	<b>£42.00</b>
Grit size P600	100	13 25 12	<b>£42.00</b>
Grit size P800	100	13 25 13	<b>£42.00</b>
Grit size P1200	100	13 25 15	<b>£42.00</b>
Grit size P2500	100	13 25 18	<b>£64.10</b>
Grit size P4000	100	13 25 19	<b>£124.70</b>

#### DISCS 305 mm

	PACK	CAT NO.	PRICE
<b>DISCS 305 mm</b> Dia plain backed			
Grit size P60	100	13 99 30	<b>£87.40</b>
Grit size P80	100	13 99 31	<b>£69.90</b>
Grit size P120	100	13 99 33	<b>£58.90</b>
Grit size P180	100	13 99 35	<b>£53.80</b>
Grit size P220	100	13 99 36	<b>£53.80</b>
Grit size P240	100	13 99 37	<b>£53.80</b>
Grit size P320	100	13 99 39	<b>£53.80</b>
Grit size P400	100	13 99 40	<b>£53.80</b>
Grit size P500	100	13 99 41	<b>£53.80</b>
Grit size P600	100	13 99 42	<b>£53.80</b>
Grit size P800	100	13 99 43	<b>£53.80</b>
Grit size P1000	100	13 99 44	<b>£53.80</b>
Grit size P1200	100	13 99 45	<b>£53.80</b>
Grit size P2500	100	13 99 48	<b>£91.00</b>
Grit size P4000	100	13 99 49	<b>£171.70</b>



Single and twin polishers

# MATRIX MAGNETIC PREPARATION PROGRAMME

## Polishing M

### Primary Polishing Cloth - Magnetic

	PACK	CAT NO.	PRICE
<b>ABRACLOTH M</b> , a hard, coarse weave synthetic material for intermediate grinding, and primary polishing. Use with 15 or 9 micron diamond.			
203 mm dia	5	17 20 40	<b>£56.00</b>
254 mm dia	5	17 25 40	<b>£78.70</b>
305 mm dia	5	17 30 40	<b>£98.80</b>

<b>PLANOCLOTH HM</b> , perforated chemotextile oil, water and alcohol resistant. For rapid stock removal from hard materials, producing flat, relief free specimens. Use with diamond abrasives 6 micron and larger.			
203 mm dia	5	17 20 62	<b>£88.90</b>
254 mm dia	5	17 25 62	<b>£122.10</b>
305 mm dia	5	17 30 62	<b>£152.00</b>

<b>PA-W CLOTH M</b> , chemotextile for flat, relief free specimens. Especially useful for soft malleable materials. Use with 6 or 9 micron diamond.			
203 mm dia	5	17 20 65	<b>£47.50</b>
254 mm dia	5	17 25 65	<b>£67.90</b>
305 mm dia	5	17 30 65	<b>£77.30</b>

<b>PLANOCLOTH M</b> , chemotextile oil, water and alcohol resistant for flat and relief free specimens. Use with diamond abrasives 3 micron and larger.			
203 mm dia	5	17 20 61	<b>£47.50</b>
254 mm dia	5	17 25 61	<b>£67.90</b>
305 mm dia	5	17 30 61	<b>£77.30</b>

<b>NYLAP CLOTH M</b> , hard napless, long life for pre-polishing all materials. Use with diamond abrasives 6-15 micron.			
203 mm dia	5	17 20 50	<b>£44.70</b>
250 mm dia	5	17 25 50	<b>£61.30</b>
305 mm dia	5	17 30 50	<b>£76.90</b>

<b>DURASILK M</b> , for coarse polishing of tough materials eg. Titanium, super alloys & steels. Use with 3 or 6 micron diamond.			
203 mm	5	17 20 52	<b>£41.00</b>
254 mm	5	17 25 52	<b>£52.80</b>
305 mm	5	17 30 52	<b>£63.00</b>

### Final Polishing Cloth - Magnetic

	PACK	CAT NO.	PRICE
<b>CASHMERE CLOTH M</b> , The softest virgin wool cloth specially prepared to produce flat polished surfaces using diamond or oxide abrasives of between 15 and 1 micron.			
203 mm dia	5	17 20 70	<b>£54.20</b>
254 mm dia	5	17 25 70	<b>£88.00</b>
305 mm dia	5	17 30 70	<b>£98.40</b>

<b>TROUNOIRE M</b> , dense short napped cloth for final polishing 6-1/4 micron diamond.			
203 mm dia	5	17 20 95	<b>£48.80</b>
254 mm dia	5	17 25 95	<b>£76.80</b>
305 mm dia	5	17 30 95	<b>£85.90</b>

<b>ALPHACLOTH M</b> , versatile cloth, synthetic short nap fibres bonded to a woven cotton backing. For all final polishing using diamond, alumina or silica abrasives of 1 micron or less.			
203 mm dia	5	17 20 94	<b>£38.10</b>
254 mm dia	5	17 25 94	<b>£49.40</b>
305 mm dia	5	17 30 94	<b>£59.20</b>

<b>MEMPHIS CLOTH M</b> , heavy duty with medium nap, for final polishing using diamond 3 micron or less.			
203 mm dia	5	17 20 96	<b>£40.70</b>
254 mm dia	5	17 25 96	<b>£64.70</b>
305 mm dia	5	17 30 96	<b>£72.40</b>

<b>MULTICLOTH M</b> , with very short soft nap, for final polishing with oxide abrasives, 1 micron or less.			
203 mm dia	5	17 20 92	<b>£38.70</b>
254 mm dia	5	17 25 92	<b>£51.20</b>
305 mm dia	5	17 30 92	<b>£56.30</b>

<b>CHEMICLOTH M</b> , black napless porous synthetic cloth for chemical / mechanical final polishing, producing superfine finish with minimal relief. Very long life. Use with colloidal silica or alumina suspension.			
203 mm dia	5	17 20 91	<b>£64.90</b>
254 mm dia	5	17 25 91	<b>£95.60</b>
305 mm dia	5	17 30 91	<b>£121.50</b>



LeicaDM2700M



**Primary Polishing - PSA**

	PACK	CAT NO.	PRICE
<b>ABRACLOTH</b> , a hard coarse weave synthetic material for intermediate grinding, and primary polishing. Used with 15 or 9 min			
203 mm dia	5	16 20 40	<b>£39.90</b>
254 mm dia	5	16 25 40	<b>£59.60</b>
305 mm dia	5	16 30 40	<b>£69.70</b>

<b>PLANOCLOTH H</b> , perforated chemotextile oil water and alcohol resistant. For rapid stock removal from hard materials, producing flat, relief free specimens. Used with diamond abrasives 6 micron and larger.			
203 mm dia	5	16 20 62	<b>£80.20</b>
254 mm dia	5	16 25 62	<b>£109.20</b>
305 mm dia	5	16 30 62	<b>£139.00</b>

<b>PA-W CLOTH</b> , chemotextile for flat, relief free specimens. Especially useful for soft malleable materials.			
203 mm dia	5	16 20 65	<b>£30.90</b>
254 mm dia	5	16 25 65	<b>£45.50</b>
305 mm dia	5	16 30 65	<b>£60.00</b>

<b>PLANOCLOTH</b> , chemotextile oil water and alcohol resistant for flat and relief free specimens. Used with diamond abrasives 3 micron and larger.			
203 mm dia	5	16 20 61	<b>£30.90</b>
254 mm dia	5	16 25 61	<b>£45.50</b>
305 mm dia	5	16 30 61	<b>£60.00</b>

<b>NYLAP CLOTH</b> , hard napless, long life for pre-polishing all materials. Use with diamond abrasives micron 6-15.			
203 mm dia	5	16 20 50	<b>£34.00</b>
254 mm dia	5	16 25 50	<b>£49.80</b>
305 mm dia	5	16 30 50	<b>£67.20</b>

<b>DURASILK</b> , for coarse polishing of tough materials eg. Titanium, super alloys & steels. Use with 3 or 6 micron diamond.			
203 mm	5	16 20 52	<b>£39.70</b>
254 mm	5	16 25 52	<b>£49.00</b>
305 mm	5	16 30 52	<b>£54.50</b>

**Final Polishing - PSA**

	PACK	CAT NO.	PRICE
<b>CASHMERE CLOTH</b> The softest virgin wool cloth specially prepared to produce flat polished surfaces using diamond or oxide abrasives of between 15 and 1 micron.			
203 mm dia	5	16 20 70	<b>£49.40</b>
254 mm dia	5	16 25 70	<b>£75.30</b>
305 mm dia	5	16 30 70	<b>£83.40</b>

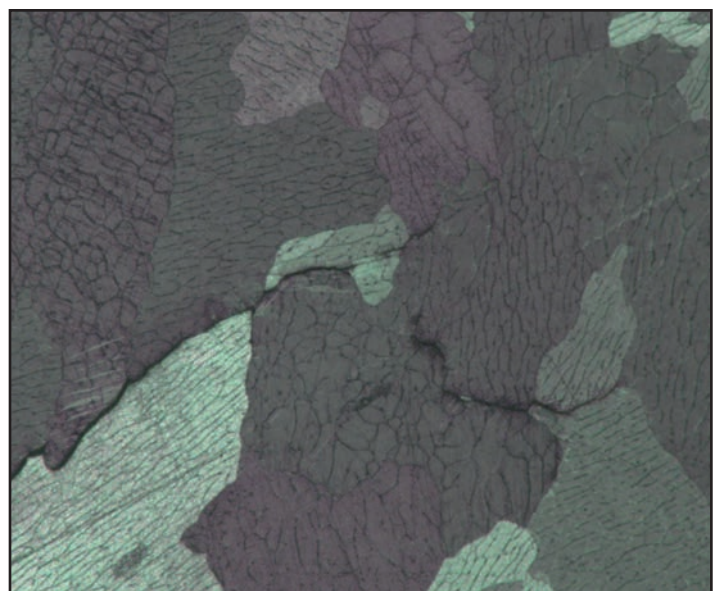
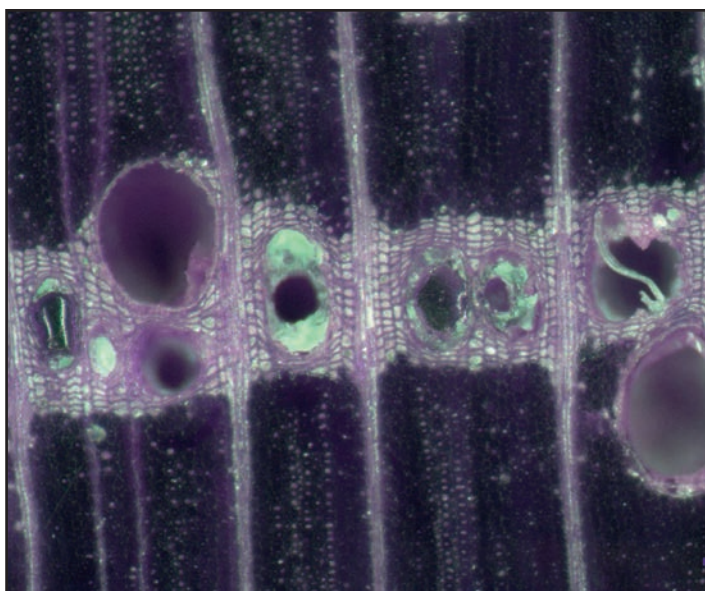
<b>TROUNOIRE</b> dense short napped cloth for final polishing 6-1 micron.			
203 mm dia	5	16 20 95	<b>£35.40</b>
250 mm dia	5	16 25 95	<b>£45.70</b>
305 mm dia	5	16 30 95	<b>£59.30</b>

<b>ALPHACLOTH</b> , versatile cloth, synthetic short nap fibres bonded to a woven cotton backing. For all final polishing using diamond, alumina or silica abrasives of 1 micron or less.			
203 mm dia	5	16 20 94	<b>£29.20</b>
254 mm dia	5	16 25 94	<b>£40.80</b>
305 mm dia	5	16 30 94	<b>£47.40</b>

<b>MEMPHIS CLOTH</b> , heavy duty with medium nap, for final polishing using diamond 3 micron or less.			
203 mm dia	5	16 20 96	<b>£29.50</b>
250 mm dia	5	16 25 96	<b>£38.10</b>
305 mm dia	5	16 30 96	<b>£49.40</b>

<b>MULTICLOTH</b> , with very short soft nap, for final polishing with diamond and oxide abrasives.			
203 mm dia	5	16 20 92	<b>£25.00</b>
254 mm dia	5	16 25 92	<b>£33.20</b>
305 mm dia	5	16 30 92	<b>£40.90</b>

<b>CHEMICLOTH</b> , black napless porous synthetic cloth for chemical / mechanical final polishing, producing superfine finish with minimal relief. Very long life.			
203 mm dia	5	16 20 91	<b>£52.80</b>
254 mm dia	5	16 25 91	<b>£79.90</b>
305 mm dia	5	16 30 91	<b>£102.00</b>



# POLISHING

## Diamond Polishing Compounds

### Monocrystalline

	PACK	CAT NO.	PRICE
<b>DIAMOND</b> compound in disposable syringes			
Micron size ¼ Grey	5 g	15 99 02	£9.80
Micron size ¼	20 g	15 99 04	£31.30
Micron size 1 Blue	5 g	15 99 06	£8.35
Micron size 1	20 g	15 99 08	£26.50
Micron size 3 Green	5 g	15 99 10	£13.05
Micron size 3	20 g	15 99 12	£41.80
Micron size 6 Yellow	5 g	15 99 14	£13.05
Micron size 6	20 g	15 99 16	£41.80
Micron size 9 Red	5 g	15 99 18	£17.45
Micron size 9	20 g	15 99 20	£55.70
Micron size 15 Brown	5 g	15 99 22	£17.45
Micron size 15	20 g	15 99 24	£55.70
Micron size 30 Mahogany	5 g	15 99 26	£17.45
Micron size 30	20 g	15 99 28	£55.70
Micron size 45 Purple	5 g	15 99 30	£17.45
Micron size 45	20 g	15 99 32	£55.70

<b>DIASPRAY</b> monocrystalline diamond water base aerosol, manually pressurised			
Micron size ¼ Grey	250 ml	15 42 31	£28.40
Micron size 1 Blue	250 ml	15 42 32	£20.80
Micron size 3 Green	250 ml	15 42 33	£20.80
Micron size 6 Yellow	250 ml	15 42 34	£28.40
Micron size 9 Red	250 ml	15 42 35	£28.40
Micron size 15 Brown	250 ml	15 42 36	£30.20
Micron size 30 Mahogany	250 ml	15 42 37	£30.20
Micron size 45 Purple	250 ml	15 42 38	£30.20

<b>DIAMOND SUSPENSIONS</b> - monocrystalline water base with trigger spray			
Micron size ¼ Grey	400 ml	15 99 44	£43.00
Micron size 1 Blue	400 ml	15 99 48	£31.10
Micron size 3 Green	400 ml	15 99 52	£31.10
Micron size 6 Yellow	400 ml	15 99 56	£43.00
Micron size 9 Red	400 ml	15 99 60	£43.00
Micron size 15 Brown	400 ml	15 99 64	£46.10
Micron size 30 Mahogany	400 ml	15 99 66	£46.10
Micron size 45 Purple	400 ml	15 99 68	£46.10
Micron size 90 Clear	400 ml	15 99 76	£72.00

<b>DIAMOND SUSPENSIONS</b> - monocrystalline water base, refill bottles			
Micron size ¼ Grey	1L	15 98 44	£86.20
Micron size 1 Blue	1L	15 98 48	£59.00
Micron size 3 Green	1L	15 98 52	£59.00
Micron size 6 Yellow	1L	15 98 56	£87.10
Micron size 9 Red	1L	15 98 60	£92.20
Micron size 15 Brown	1L	15 98 64	£92.20
Micron size 30 Mahogany	1L	15 98 66	£92.20
Micron size 45 Purple	1L	15 98 68	£92.20

<b>DIAMOND SUSPENSIONS</b> - monocrystalline oil base, with trigger spray			
Micron size ¼ Grey	400 ml	15 99 43	£43.00
Micron size 1 Blue	400 ml	15 99 47	£31.10
Micron size 3 Green	400 ml	15 99 51	£31.10
Micron size 6 Yellow	400 ml	15 99 55	£43.00
Micron size 9 Red	400 ml	15 99 59	£43.00
Micron size 15 Brown	400 ml	15 99 63	£46.10
Micron size 30 Mahogany	400 ml	15 99 65	£46.10
Micron size 45 Purple	400 ml	15 99 67	£46.10

	PACK	CAT NO.	PRICE
<b>DIAMET SUSPENSIONS</b> - Unique compound formulation, self lubricating for maximum economy, with trigger spray			
Micron size ¼ Grey	500 ml	15 99 33	£25.00
Micron size 1 Blue	500 ml	15 99 34	£25.00
Micron size 3 Green	500 ml	15 99 35	£25.00
Micron size 6 Yellow	500 ml	15 99 36	£25.00
Micron size 9 Red	500 ml	15 99 37	£25.00
Micron size 15 Brown	500 ml	15 99 38	£25.00

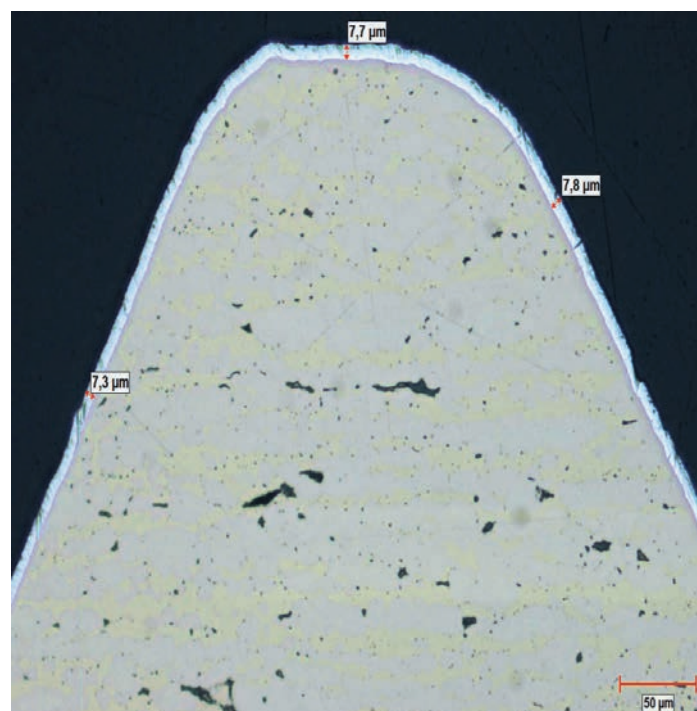
<b>METPREP</b> - diamond lubricant, water base - Yellow			
Aerosol - pump-up	250 ml	15 50 00	£7.70
Bottle	2.5 L	15 50 02	£18.70

<b>METPREP</b> - diamond lubricant, water/oil base - Red			
Bottle	1 L	15 50 12	£12.45

<b>METPREP</b> - diamond lubricant, alcohol base - Blue			
Bottle	1 L	15 50 08	£15.20
Bottle	2.5 L	15 50 09	£26.60

<b>METPREP</b> - diamond lubricant, oil base			
Bottle	2.5 L	15 50 04	£18.70

<b>DISPENSERS</b>			
Trigger spray attachment	ea	15 51 02	£3.20
Pump up refillable aerosol 250 ml	ea	15 51 03	£6.90



## Diamond Polishing Compounds

### Polycrystalline

	PACK	CAT NO.	PRICE
<b>DIAMOND</b> compound in disposable syringes			
Micron size ¼	10 g	15 98 04	<b>£39.10</b>
Micron size 1	10 g	15 98 08	<b>£39.10</b>
Micron size 3	10 g	15 98 12	<b>£47.10</b>
Micron size 6	10 g	15 98 16	<b>£65.20</b>
Micron size 9	10 g	15 98 20	<b>£65.20</b>
Micron size 15	10 g	15 98 24	<b>£65.20</b>

	PACK	CAT NO.	PRICE
<b>DIASPRAY</b> polycrystalline diamond water base aerosol, manually pressurised			
Micron size ¼	250 ml	15 42 41	<b>£38.45</b>
Micron size 1	250 ml	15 42 42	<b>£38.45</b>
Micron size 3	250 ml	15 42 43	<b>£40.20</b>
Micron size 6	250 ml	15 42 44	<b>£40.90</b>
Micron size 9	250 ml	15 42 45	<b>£40.90</b>
Micron size 15	250 ml	15 42 46	<b>£40.90</b>

	PACK	CAT NO.	PRICE
<b>DIAMOND SUSPENSIONS</b> - polycrystalline, water base, with trigger spray			
Micron size ¼	400 ml	15 42 61	<b>£57.20</b>
Micron size 1	400 ml	15 42 62	<b>£57.20</b>
Micron size 3	400 ml	15 42 63	<b>£59.80</b>
Micron size 6	400 ml	15 42 64	<b>£61.10</b>
Micron size 9	400 ml	15 42 65	<b>£61.10</b>
Micron size 15	400 ml	15 42 66	<b>£61.10</b>

	PACK	CAT NO.	PRICE
<b>DIAMOND SUSPENSIONS</b> - polycrystalline water base, refill bottles			
Micron size ¼	1L	15 41 41	<b>£87.70</b>
Micron size 1	1L	15 41 42	<b>£87.70</b>
Micron size 3	1L	15 41 43	<b>£112.60</b>
Micron size 6	1L	15 41 44	<b>£115.20</b>
Micron size 9	1L	15 41 45	<b>£115.20</b>
Micron size 15	1L	15 41 46	<b>£115.20</b>

	PACK	CAT NO.	PRICE
<b>POLYMET SUSPENSION</b> - water base, special formula for dramatic reduction in polishing times.			
Micron size 1	400ml	15 98 82	<b>£54.50</b>
Micron size 3	400ml	15 98 83	<b>£56.90</b>
Micron size 6	400ml	15 98 84	<b>£58.15</b>
Micron size 9	400ml	15 98 85	<b>£58.15</b>
Micron size 15	400ml	15 98 86	<b>£58.15</b>



Twin Automatic  
Polariser/Grinder

## Oxide Polishing Compounds

### Polishing Silica

	PACK	CAT NO.	PRICE
<b>SILCO</b> colloidal silica suspension, high concentration			
Micron size .06	1 L	15 99 97	<b>£22.35</b>
Micron size .06	5 L	15 99 99	<b>£85.80</b>
Micron size .06	25 L	15 99 98	<b>£292.00</b>

	PACK	CAT NO.	PRICE
<b>OPUS</b> Non crystallising colloidal silica suspension, high concentration. Suitable for automatic peristaltic dosers.			
Micron size .04	1 L	15 97 80	<b>£31.50</b>
Micron size .04	2.5 L	15 97 81	<b>£76.50</b>
Micron size .04	5 L	15 97 82	<b>£139.00</b>

### Polishing Alumina

	PACK	CAT NO.	PRICE
<b>DRY POWDER ALPHA</b>			
Micron size 1.0	500 g	15 99 80	<b>£73.65</b>
Micron size 1.0	2.0 Kg	15 99 81	<b>£293.00</b>
Micron size 0.3	500 g	15 99 82	<b>£73.65</b>
Micron size 0.3	2.0 Kg	15 99 83	<b>£293.00</b>

	PACK	CAT NO.	PRICE
<b>DRY POWDER GAMMA</b>			
Micron size .05	500 g	15 99 84	<b>£73.65</b>
Micron size .05	2.0 Kg	15 99 85	<b>£293.00</b>

	PACK	CAT NO.	PRICE
<b>AQUEOUS SUSPENSIONS</b>			
Alpha micron size 5.0	1 L	15 99 89	<b>£37.80</b>
Alpha micron size 1.0	1 L	15 99 91	<b>£43.40</b>
Alpha micron size 0.3	1 L	15 99 93	<b>£43.40</b>
Gamma micron size 0.05	1 L	15 99 95	<b>£46.60</b>



System-Lab Twin Grinder/Polisher

### Evolution Portable Grinder/Polisher Kit

EVOLUTION	Control unit for brushless motor	
ENK-250T	Super torque brushless motor without power cord	
ENK-CABLE	Power cord for 250T motor	
IC390	Angle Handpiece 90°	
PTO30	Rubber Disc holder 32mm dia.	
MECONS	Startup Consumable Kit	
NKBag	Carry bag	<b>£1870.00</b>

### Evolution/Electer Accessories and Spare Parts

ENK-250T	Super torque brushless motor without power cord	<b>£566.00</b>
ENK-CABLE	Power Cord for 250T motor	<b>£181.00</b>
KC345	Angle Handpiece 45°	<b>£255.00</b>
IC390	Angle Handpiece 90°	<b>£255.00</b>
IH300	Straight Handpiece	<b>£281.00</b>
RG01	Speed Reduction Gear 1/4 (Torque multiple x4)	<b>£139.00</b>
CN01	Extension Joint	<b>£113.00</b>
KBS100	Mini Belt Sander Attachment	<b>£703.00</b>
CHC	Replacement Collets 3.0mm	<b>£70.00</b>
PT030	Disc Holder Rubber 32mm dia. (Pack 5)	<b>£37.00</b>
PT6030	Flapper Abrasive Wheel 60x30x6mm (pack 10)	<b>£49.00</b>



### Ultrasonic Cleaners

UNITS WITH VARIABLE TIMER AND HEATER					
Model	Capacity	Tank size (mm)	Price	Lid	Basket
375TT	2.3L	240L x 135W x 100D	<b>£493.00</b>	<b>£24</b>	<b>£49</b>
475TT	3.6L	240L x 135W x 150D	<b>£555.00</b>	<b>£24</b>	<b>£49</b>
575TT	4.9L	300L x 150W x 150D	<b>£634.00</b>	<b>£32</b>	<b>£52</b>
1000	9.0L	300L x 240W x 150D	<b>£925.00</b>	<b>£38</b>	<b>£52</b>

<b>ULTRACLEAN I</b>	Ultrasonic Cleaning Fluid concentrate, suitable for ferrous materials.	1L	18 00 02	<b>£16.80</b>
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<b>ULTRACLEAN II</b>	Ultrasonic Cleaning Fluid concentrate, suitable for non-ferrous materials eg. Aluminium, Copper etc.	1L	18 00 04	<b>£16.80</b>
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### Portable Polishing Materials

	PACK	CAT NO.	PRICE
<b>GRINDING DISCS 32mm Dia adhesive backed.</b>			
Grit size P60	100	13 03 00	<b>£21.50</b>
Grit size P120	100	13 03 03	<b>£21.50</b>
Grit size P240	100	13 03 07	<b>£21.50</b>
Grit size P400	100	13 03 10	<b>£21.50</b>
Grit size P600	100	13 03 12	<b>£21.50</b>
Grit size P1200	100	13 03 15	<b>£21.50</b>

<b>POLISHING CLOTHS 32mm Dia adhesive backed.</b>			
Durasilk PSA	25	16 03 52	<b>£19.40</b>
Trounoire PSA	25	16 03 95	<b>£19.55</b>
Cashmere Cloth PSA	25	16 03 70	<b>£18.50</b>
Planocloth PSA	25	16 03 61	<b>£18.50</b>
Alpha cloth PSA	25	16 03 94	<b>£18.50</b>
HS Blue	25	16 03 98	<b>£26.10</b>
HS Green	25	16 03 99	<b>£26.10</b>



<b>DIAMOND COMPOUND</b> heavy duty, high concentration in disposable syringes			
Micron size 1 Blue	5 g	15 99 06	<b>£8.20</b>
Micron size 6 Yellow	5 g	15 99 14	<b>£12.80</b>
Micron size 15 Brown	5 g	15 99 22	<b>£17.10</b>

### Portable Replicating Materials

Replica Sheet 35 micron, 150mmx100mm	20	AAG255	<b>£19.00</b>
Replicating Tape 125 micron, 19mmx4.5m		AAG3882	<b>£57.50</b>
Glass Slides 1-1.2mm. 26x76mm	50	AAL4244	<b>£13.50</b>
Glass Slides 1.2 - 1.4mm. 26x76mm	100	19 40 02	<b>£15.00</b>
Microset F1 for rapid results on horizontal or sloping surfaces	50ml	MC50	<b>£34.80</b>
Microset Dispensing Gun	ea	DG50	<b>£45.50</b>
Microset Nozzle Pack	10	NP10	<b>£12.50</b>
Microset Nozzle Pack	50	NP50	<b>£49.80</b>

### Vacuum Impregnation Unit

<b>MULTI-POUR</b> model with indexing moulds (8 off), 2 pouring stations and vacuum pump	ea	M 6500001	<b>£2256.00</b>
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### Technomat Pressure Chamber

For use with CRYSTAL-KLEER Mounting Compound to produce glass clear mounts.	ea	11 30 50	<b>£597.00</b>
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### Bambi Compressor

Oil free and ultra low noise 340H x 400W x 330Dmm	PT5000	<b>£550.00</b>
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### Miscellaneous Items

<b>SPECIMEN DRYER</b> , bench mounting	ea	19 03 10	<b>£598.00</b>
<b>SPECIMEN DRYER</b> , hand held type	ea	19 03 00	<b>£55.00</b>
<b>SPECIMEN LEVELLING PRESS</b> , with height control of prepared surface	ea	19 99 04	<b>£296.00</b>
<b>MICROSCOPE GLASS SLIDE</b> (Thick)	10	19 04 05	<b>£26.00</b>
<b>PLASTICINE</b> for specimen levelling	500g	19 04 01	<b>£9.50</b>
<b>MINIATURE FASTENER VICE</b>	ea	C10050	<b>£295.00</b>
<b>LENS TISSUE</b> 10 x 15 cm, pack of 100	ea	19 04 02	<b>£19.00</b>
<b>ELECTRIC SPECIMEN ENGRAVER</b>			
including metal point	ea	19 00 00	<b>£74.00</b>
<b>COTTON WOOL</b>	500g	19 99 01	<b>£7.70</b>
<b>VINYL GLOVES</b> , disposable	100	19 99 05	<b>£19.00</b>
<b>SELVYT CLOTH SQUARES</b> 250x250mm with bound edges	10	16 99 99	<b>£33.50</b>
<b>SPECIMEN PROTECTIVE LAQUER</b>	400ml	11 30 25	<b>£13.20</b>

### Vickers Reference Hardness Blocks

NOMINAL VICKERS REFERENCE HARDNESS BLOCK VALUES	PRICE
40 70 100 150 200 250 300 350 400 450	<b>£376.00</b>
500 550 600 650 700 750 800 850 900 950	
Standard Loads (Kg) available HV2 HV3 HV5 HV10 HV20 HV30 HV50 HV100	
Additional UKAS Load Calibrations for individual block	<b>£216.00</b>
UKAS Recalibrations of existing blocks (Pass or Fail)	<b>£216.00</b>
All blocks are supplied with UKAS Certification to BS EN ISO 6507-3 and ASTM E92	
Block size 64mm diameter x 15mm thickness	

NOMINAL LOW FORCE VICKERS & MICRO VICKERS REFERENCE HARDNESS BLOCK VALUES	PRICE
40 70 100 150 200 250 300 350 400 450	<b>£496.00</b>
500 550 600 650 700 750 800 850 900 950	
Low force loads available HV1 HV0.5 HV0.3 HV0.2 HV0.1 HV0.050 HV0.025 HV0.010	
Additional UKAS Load Calibrations for individual block	<b>£280.00</b>
UKAS Recalibrations of existing blocks (Pass or Fail)	<b>£280.00</b>
All blocks are supplied with UKAS Certification to BS EN ISO 6507-3.	
Calibrations to ASTM E384 by request only.	
Block size 30mm diameter x 10mm thickness	

### Knoop Reference Hardness Blocks

NOMINAL LOW FORCE KNOOP & MICRO KNOOP REFERENCE HARDNESS BLOCK VALUES	PRICE
40 70 100 150 200 250 300 350 400 450	<b>£496.00</b>
500 550 600 650 700 750 800 850 900 950	
Low force loads available HK1 HK0.5 HK0.3 HK0.2 HK0.1 HK0.050 HK0.025 HK0.010	
Additional UKAS Load Calibrations for individual block	<b>£280.00</b>
Recalibrations of existing blocks (Pass or Fail)	<b>£280.00</b>
All blocks are supplied with a traceable laboratory certificate to ASTM E384	
Block size 30mm diameter x 10mm thickness	

### Vickers & Knoop Macro/Micro Testing Indenters

INDENTER TYPE	REFERENCE NUMBER	UKAS CERTIFIED	NO CERTIFICATE
<b>MACRO VICKERS</b>	V1 002 V1 006 V1 016 V1 017		
STANDARD TYPES:	V1 018 V1 019 V1 020	<b>£320.00</b>	<b>£288.00</b>
Repair of Macro Vickers Indenters (all types)		<b>£288.00</b>	<b>£256.00</b>
UKAS Certification of Macro Vickers Indenters all types (Pass or Fail)		<b>£240.00</b>	
<b>MICRO VICKERS</b>			
STANDARD TYPES:	V1 009 V1 012 V1 013 V1 014	<b>£464.00</b>	<b>£432.00</b>
NON STANDARD:	V1 010 V1 024	<b>£528.00</b>	<b>£496.00</b>
Repair of Micro Vickers Indenters (all types)		<b>£320.00</b>	<b>£288.00</b>
UKAS Certification of Micro Vickers Indenters all types (Pass or Fail)		<b>£240.00</b>	
<b>MACRO KNOOP</b>	K1 007 K1 008 K1 009	<b>£320.00</b>	<b>£288.00</b>
Repair of Macro Knoop Indenters (all types)		<b>£288.00</b>	<b>£256.00</b>
UKAS Certification of Macro Knoop Indenters all types (Pass or Fail)		<b>£240.00</b>	
<b>MICRO KNOOP</b>	K1 002 K1 003 K1 004 K1 005	<b>£464.00</b>	<b>£432.00</b>
Repair of Micro Knoop Indenters (all types)		<b>£320.00</b>	<b>£288.00</b>
UKAS Certification of Micro Knoop Indenters all types (Pass or Fail)		<b>£240.00</b>	

### Rockwell & Superficial Reference Hardness Blocks

SCALE	NOMINAL REFERENCE BLOCK VALUES	PRICE
HRC	20 25 30 35 40 45 50 55 60 63 65 67	<b>£176.00</b>
HRA	60 63 65 68 70 73 76 78 81 83 84 85	<b>£176.00</b>
HRD	40 44 48 52 56 60 64 67 71 73 74 77	<b>£176.00</b>
HR15N	69 72 75 78 81 83 85 88 90 91 92 93	<b>£176.00</b>
HR30N	41 46 50 55 59 64 68 73 77 80 82 83	<b>£176.00</b>
HR45N	19 25 31 37 43 49 55 61 66 70 72 74	<b>£176.00</b>
Additional UKAS Scale Calibrations for individual block		<b>£136.00</b>
UKAS Recalibrations of existing blocks (Pass or Fail)		<b>£136.00</b>
All blocks are supplied with UKAS Certification to BS EN ISO 6508-3 and ASTM E18		
Block size 64mm diameter x 15mm thickness		
All above blocks will be supplied within +/-2 Rockwell points of the nominal value		

SCALE	NOMINAL REFERENCE BLOCK VALUES	PRICE
HRB	20 30 40 50 60 70 75 80 85 90 95 100	<b>£176.00</b>
HRA	22 26 31 35 40 45 47 50 53 55 59 62	<b>£176.00</b>
HRE	75 81 87 93 100	<b>£176.00</b>
HRF	74 80 86 91 97 100	<b>£176.00</b>
HRC	3 18 33 41 49 58 66 74 83	<b>£176.00</b>
HRH	94 98	<b>£176.00</b>
HRK	38 47 56 65 73 81 86 91 95 99	<b>£176.00</b>
HR15T	67 70 73 77 80 83 85 86 88 90 91 93	<b>£176.00</b>
HR30T	29 36 43 49 56 63 66 69 73 76 80 83	<b>£176.00</b>
HR45T	2 12 22 32 43 48 53 58 63 68 73	<b>£176.00</b>
Additional UKAS Scale Calibrations for individual block		<b>£136.00</b>
UKAS Recalibrations of existing blocks (Pass or Fail)		<b>£136.00</b>
All blocks are supplied with UKAS Certification to BS EN ISO 6508-3 and ASTM E18		
All reference block scales using 1/16" or 1/8" diameter balls are supplied calibrated as standard using a steel ball. Eg. HRB (S). The same scales can also be supplied using a carbide ball Eg. HRB (W) on request only.		
Block size 64mm diameter x 15mm thickness		
All above blocks will be supplied within ±4 Rockwell points of the nominal value		

### Rockwell Testing Indenters

INDENTER TYPE	REFERENCE NUMBER	UKAS CERTIFIED	NO CERTIFICATE
<b>ROCKWELL</b>	RI 001 RI 002 RI 003 RI 004		
STANDARD TYPES:	RI 005 RI 006 RI 007 RI 009	<b>£256.00</b>	<b>£224.00</b>
	RI 012 RI 013 RI 014 RI 019		
	RI 020 RI 036		
NON STANDARD:	RI 034 RI 002 RI 003 RI 004	<b>£320.00</b>	<b>£288.00</b>
Repair of Rockwell Indenters (all types)		<b>£208.00</b>	<b>£176.00</b>
UKAS Certification of Rockwell Indenters all types (Pass or Fail)		<b>£160.00</b>	
All UKAS certified Rockwell Indenters will be supplied with a UKAS Certificate to BS EN ISO 6508-2 and ASTM E18			



## Hardness Testers

Vickers - Micro Vickers - Rockwell - Brinell

## MetPrep Service/Spare Parts

Your metallurgical laboratory equipment represents a significant investment and it is important that it is kept in good condition. Statistics reveal that regular maintenance will extend its working life, especially when it is subject to extensive use. Clearly it is better to preserve optimum operating performance, rather than waiting for a breakdown and the resultant lost productivity.

Please contact our service department today - [service@metprep.co.uk](mailto:service@metprep.co.uk)

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