



PRODUCTS FOR THE TOOLROOM AND PRECISION ENGINEER



Index

Section	Page No.
Diamond Products	
Quality	2
Kemet Diamond Compounds	3 - 5
Kemet Liquid Diamond & Fluids	6 - 8
Abrasive Stones	
Gesswein Abrasive Stones	9 - 13
Kemet Superstones	13
Xebec Ceramic Stones	14 - 16
Ruby Stones & Mounted Stones	17
Stone Holders	17 - 18
Stone Kits & Stoning Oil	18
Polishing Accessories	
AbraDisc Aluminium Oxide Abrasive Discs	19
AbraCaps Aluminium Oxide Abrasive Caps	20 - 21
Abrasive Belt Sticks & Ringlaps	22
Abrasive Rolls & Papers	23
G-Flex Wheels	24
Helilaps	25 - 26
Kemet Brushes	27 - 28

Section	Page No.
Polishing Accessories (cont)	
Felt Products	28 - 29
Wood Products	29
Diamond Files	30 - 31
Diamond Points	32
Buffing Compounds & Paste	33
Cleaning Fluids	34
Tooling Equipment	
Kemet Tool / Mould Cleaning Systems	35
Kemet Ultrasonic Cleaners	36
Hand Lap Kits	37
Flexible Drive Systems	38
NSK Power Hand Tools	39 - 45
Diprofil Power Hand Tools	46 - 47
Kemet Mould Welders	48
Kemet Flat Lapping Machines	49

KEMET RESERVE THE RIGHT TO CHANGE SPECIFICATIONS RESULTING FROM PRODUCT DEVELOPMENT

Ordering Information

	Telephone:	+44(0)1622 607507 +44(0)1622 755287 +44(0)1622 755287	Sales Desk - Direct Line Enquiries Technical Support
	Fax:	+44(0)1622 670915	
	E-Mail:	sales@kemet.co.uk	
	Website:	www.kemet.co.uk	
	Post:	Kemet International Limited Cuxton Road, Parkwood Trading Estate, Parkwood, Maidstone, Kent, ME15 9NJ. U.K.	

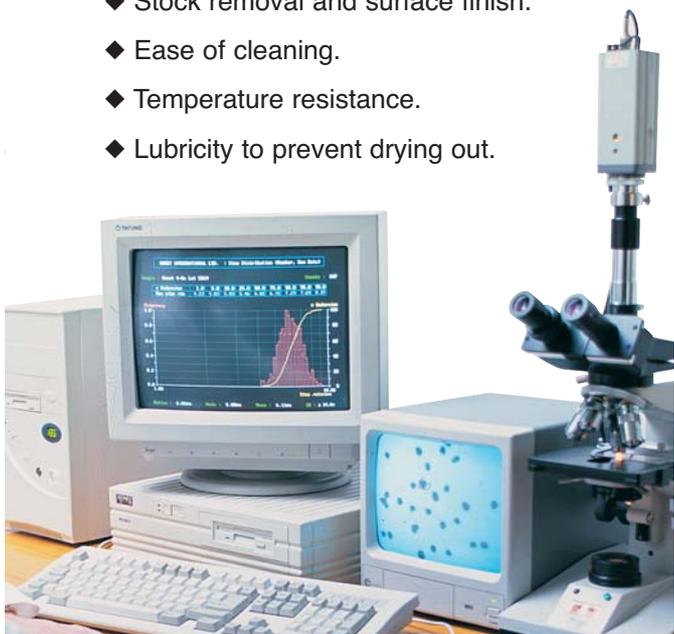
We are pleased to accept payment for goods by Visa or Mastercard



Kemet Diamond Products

A wide range of standard and special Diamond Products formulated and manufactured in our quality controlled laboratories. Each Kemet Diamond Product is a special blend of Diamond Powder with a specific grading and concentration in a chemical carrier to give the optimum:

- ◆ Stock removal and surface finish.
- ◆ Ease of cleaning.
- ◆ Temperature resistance.
- ◆ Lubricity to prevent drying out.



We use only the best quality virgin Diamond Powder and high purity chemicals in Kemet Diamond Products.

Most Kemet products are biodegradable.

- ◆ **Diamond Grading** - The exceptionally close grading standards developed by us exceed many international standards and guarantee that Kemet Diamond Products are manufactured to the closest tolerances.
- ◆ **Quality Control** - Microscopic and computer analysis of the Diamond Powder ensures that it is exactly the correct grading and mesh to maximise cutting performance.
- ◆ **Consistency of Performance** - Manufactured to BS EN ISO 9001:2000 Quality Assurance standards - our guarantee that the quality will be consistent.
- ◆ **User Friendly** - Manufactured from high purity chemicals - safe to use and friendly to the environment.

Special Products

With changing technology, new Diamond Products are continually being developed to meet specific requirements. These products may well incorporate different types of Diamond to suit the application, e.g. Synthetic Monocrystalline, Polycrystalline or Natural Powder, suspended in unique chemical carriers. Our laboratories are available to help and develop formulations specific to your needs.

KEMET DIAMOND COMPOUNDS		
Micron Size	Mesh	Colour
0.1	140,000*	Grey
0.25	25,000*	Dark Grey
1	14,000*	Blue
3	8,000*	Green
6	3,000*	Yellow
8	1,800*	Red
14	1,200*	Orange
25	600	Brown
45	300	Purple
60	230	Light Blue
90	170	White

*Estimated



Type KD Diamond Compound

- ◆ Worldwide - The preferred choice.
- ◆ Universal Diamond Compound for rapid stock removal and superfine surface finish.
- ◆ Soluble in both oil and water.
- ◆ Recommended for Toolroom and Precision Production applications.



TYPE KD DIAMOND COMPOUND							
	Micron	Grade	Colour	5g AppliKator	20g Syringe	10g Stick	
				Code	Code	Code	
FINAL POLISHING	1/10	1/10 - KD - C1	Grey	111001	111094	111181	
		1/10 - KD - C2		111002	111095		
	1/4	1/4 - KD - C1	Grey	111003	111096	111182	
		1/4 - KD - C2		111004	111097		
	1	1 - KD - C1	Blue	111005	111098	111183	
		1 - KD - C2		111006	111099		
		1 - KD - C3		111007	111100		
	3	3 - KD - C1	Green	111008	111101	111184	
		3 - KD - C2		111009	111102		
		3 - KD - C3		111010	111103		
		3 - KD - C4		111011	111104		
	LAPPING & PREPOLISHING	6	6 - KD - C1	Yellow	111012	111105	111185
6 - KD - C2			111013		111106		
6 - KD - C3			111014		111107		
8		8 - KD - C1	Red	111015	111108	111186	
		8 - KD - C2		111016	111109		
		8 - KD - C3		111017	111110		
		8 - KD - C4		111018	111111		
14		14 - KD - C1	Brown	111019	111112	111187	
		14 - KD - C2		111020	111113		
		14 - KD - C3		111021	111114		
RAPID STOCK REMOVAL		25	25 - KD - C1	Mahogany	111022	111115	111188
			25 - KD - C2		111023	111116	
	25 - KD - C3		111024		111117		
	45	45 - KD - C1	Purple	111025	111118	111189	
		45 - KD - C2		111026	111119		
		45 - KD - C3		111027	111120		
	60	60 - KD - C1	Orange	111028	111121	111190	
		60 - KD - C2		111029	111122		
	90	90 - KD - C1	White	111030	111123	-	
		90 - KD - C2		111031	111124		

The **AppliKator** (shown above) is a syringe designed to accurately meter out quantities of Kemet Diamond Compound, preventing waste and contamination.



Kemet produces special Diamond Compound formulations in its laboratories to suit specific customer requirements.

Each micron size is available in a range of concentrations:- (C1 lowest concentration; C4 highest concentration).

Type L Diamond Compound

- ◆ Oil Soluble Diamond Compound specially developed for use on hard materials such as Tungsten Carbide, hardened Steels and Ceramics.
- ◆ High thermal stability of the chemical carrier ensures that Kemet Diamond Compound resists frictional heat, remains stable, and keeps its suspension properties under operating conditions.
- ◆ Recommended for Toolroom and General Production applications.



TYPE L DIAMOND COMPOUND						
	Micron	Grade	Colour	5g AppliKator	5g Dip Jar	20g Syringe
				Code	Code	Code
FINAL POLISHING	1	1 - L - C1	Blue	112001	112018	112052
		1 - L - C2		112002	112019	112053
	3	3 - L - C1	Green	112003	112020	112054
		3 - L - C2		112004	112021	112055
LAPPING & PREPOLISHING	6	6 - L - C1	Yellow	112005	112022	112143
		6 - L - C2		112006	112023	112138
	8	8 - L - C1	Red	112007	112024	112058
		8 - L - C2		112008	112025	112059
	14	14 - L - C1	Brown	112009	112026	112060
		14 - L - C2		112010	112027	112061
RAPID STOCK REMOVAL	25	25 - L - C1	Mahogany	112011	112028	112062
		25 - L - C2		112012	112029	112063
	45	45 - L - C1	Purple	112013	112030	112064
		45 - L - C2		112014	112031	112065
		45 - L - C3		112015	112032	112066
	60	60 - L - C1	Orange	112016	112033	112067
	90	90 - L - C1	White	112017	112034	112068

Kemet produces special Diamond Compound formulations in its laboratories to suit specific customer requirements.

Each micron size is available in a range of concentrations:- (C1 lowest concentration; C3 highest concentration).

Type W Diamond Compound

- ◆ Water Soluble Diamond Compound.
- ◆ Recommended for precision engineering and electronic applications where water based products are preferred.
- ◆ Ideal for use on polishing cloths.



TYPE W DIAMOND COMPOUND						
	Micron	Grade	Colour	5g AppliKator	20g Syringe	10g Stick
				Code	Code	Code
FINAL POLISHING	1/10	1/10 - W - C1	Grey	113001	113094	113170
		1/10 - W - C2		113002	113095	
	1/4	1/4 - W - C1	Grey	113003	113096	113171
		1/4 - W - C2		113004	113097	
	1	1 - W - C1	Blue	113005	113098	113173
		1 - W - C2		113006	113100	
		1 - W - C3		113007	113099	
	3	3 - W - C1	Green	113008	113101	113174
		3 - W - C2		113009	113102	
		3 - W - C3		113010	113103	
		3 - W - C4		113011	113104	
	LAPPING & PREPOLISHING	6	6 - W - C1	Yellow	113012	113105
6 - W - C2			113013		113106	
6 - W - C3			113014		113107	
8		8 - W - C1	Red	113015	113108	113176
		8 - W - C2		113016	113109	
		8 - W - C3		113017	113110	
		8 - W - C4		113018	113111	
14	14 - W - C1	Brown	113019	113112	113178	
	14 - W - C2		113020	113113		
	14 - W - C3		113021	113165		
RAPID STOCK REMOVAL	25	25 - W - C1	Mahogany	113022	113115	113179
		25 - W - C2		113023	113116	
		25 - W - C3		113024	113166	
	45	45 - W - C1	Purple	113025	113118	113182
		45 - W - C2		113026	113119	
		45 - W - C3		113027	113120	
	60	60 - W - C1	Orange	113028	113121	113180
		60 - W - C2		113029	113122	
	90	90 - W - C1	White	113030	113123	-
		90 - W - C2		113031	113124	



Water soluble, stick Diamond Compound manufactured with Monocrystalline Diamond Powder. Allows easy application of Diamond Compound to Lapping and Polishing Discs eliminating the need for spatulas or manual application.

Each micron size is available in a range of concentrations:- (C1 lowest concentration; C4 highest concentration).

Liquid Diamond

Our range of Kemet Liquid Diamond products are available as oil soluble, water soluble or as emulsions. The chemical composition of the carrier fluids is carefully controlled to ensure that they are compatible both with the Lapping Plate and the components being lapped.

- ◆ Optimum viscosity and chemical composition of each Liquid Diamond Product gives fast stock removal with the ability to produce superfine surface finishes.
- ◆ Suitable for dispensing with the Kemet Electronic Dispensing System thus eliminating wastage and reducing lapping costs.
- ◆ Specially formulated Liquid Diamond Products enable parts to be easily cleaned.



TYPE K LIQUID DIAMOND							
An excellent, general purpose, low viscosity oil/water emulsion suitable for most applications.							
	Type-Micron	400g			2000g		
		Standard	Strong	Extra Strong	Standard	Strong	Extra Strong
		Code	Code	Code	Code	Code	Code
A	K-1/10	211001	211021	211041	211080	211102	211121
	K-1/4	211002	211022	211042	211081	211103	211122
	K-1/2	211003	211023	211043	211083	211104	211123
	K-1	211004	211024	211044	211084	211105	211124
	K-2	211005	211025	211045	211082	211101	211125
	K-3	211006	211026	211046	211086	211106	211126
	K-4.5	211007	211027	211047	211087	211107	211127
B	K-6	211008	211028	211054	211088	211108	211128
	K-8	211009	211029	211049	211089	211109	211129
	K-10	211010	211030	211050	211085	211110	211130
	K-14	211011	211031	211051	211091	211111	211131
C	K-25	211012	211032	211052	211092	211112	211133
	K-45	211013	211033	211053	211093	211113	211134
A = Final Polishing B = Lapping & Prepolishing C = Rapid Stock Removal							

Kemet Liquid Diamond Products are normally supplied colourless.

Special Diamond Suspensions with Monocrystalline, Polycrystalline or Natural Diamond can be supplied to suit specific applications.

TYPE WA LIQUID DIAMOND							
Water soluble Liquid Diamond, recommended where lapping/polishing must be carried out in the absence of oil based materials.							
	Type-Micron	400g			2000g		
		Standard	Strong	Extra Strong	Standard	Strong	Extra Strong
		Code	Code	Code	Code	Code	Code
A	WA-1/10	214001	214021	214042	214071	214102	214121
	WA-1/4	214002	214022	214043	214072	214104	214122
	WA-1/2	214003	214023	214044	214073	214105	214123
	WA-1	214004	214024	214045	214074	214106	214124
	WA-2	214005	214026	214046	214075	214107	214125
	WA-3	214006	214027	214047	214076	214108	214126
	WA-4.5	214007	214025	214048	214077	214109	214127
B	WA-6	214008	214028	214049	214078	214080	214128
	WA-8	214009	214029	214050	214081	214101	214129
	WA-10	214010	214030	214051	214082	214110	214130
	WA-14	214011	214031	214052	214083	214079	214131
C	WA-25	214012	214032	214053	214084	214103	214132
	WA-45	214013	214033	214054	214085	214111	214133
A = Final Polishing B = Lapping & Prepolishing C = Rapid Stock Removal							

TYPE O LIQUID DIAMOND							
Low viscosity oil soluble Liquid Diamond with enhanced cleaning properties.							
	Type-Micron	400g			2000g		
		Standard	Strong	Extra Strong	Standard	Strong	Extra Strong
		Code	Code	Code	Code	Code	Code
A	O-1/10	216001	216021	216041	216082	216102	216132
	O-1/4	216002	216022	216042	216083	216103	216133
	O-1/2	216003	216023	216043	216084	216114	216134
	O-1	216004	216024	216044	216085	216104	216135
	O-2	216005	216025	216045	216081	216105	216136
	O-3	216006	216026	216046	216086	216106	216137
	O-4.5	216007	216027	216047	216087	216108	216138
B	O-6	216008	216028	216048	216088	216107	216139
	O-8	216009	216029	216049	216089	216109	216140
	O-10	216010	216030	216050	216093	216110	216141
	O-14	216011	216031	216051	216092	216111	216142
C	O-25	216012	216032	216052	216090	216112	216143
	O-45	216013	216033	216053	216094	216113	216144
A = Final Polishing B = Lapping & Prepolishing C = Rapid Stock Removal							

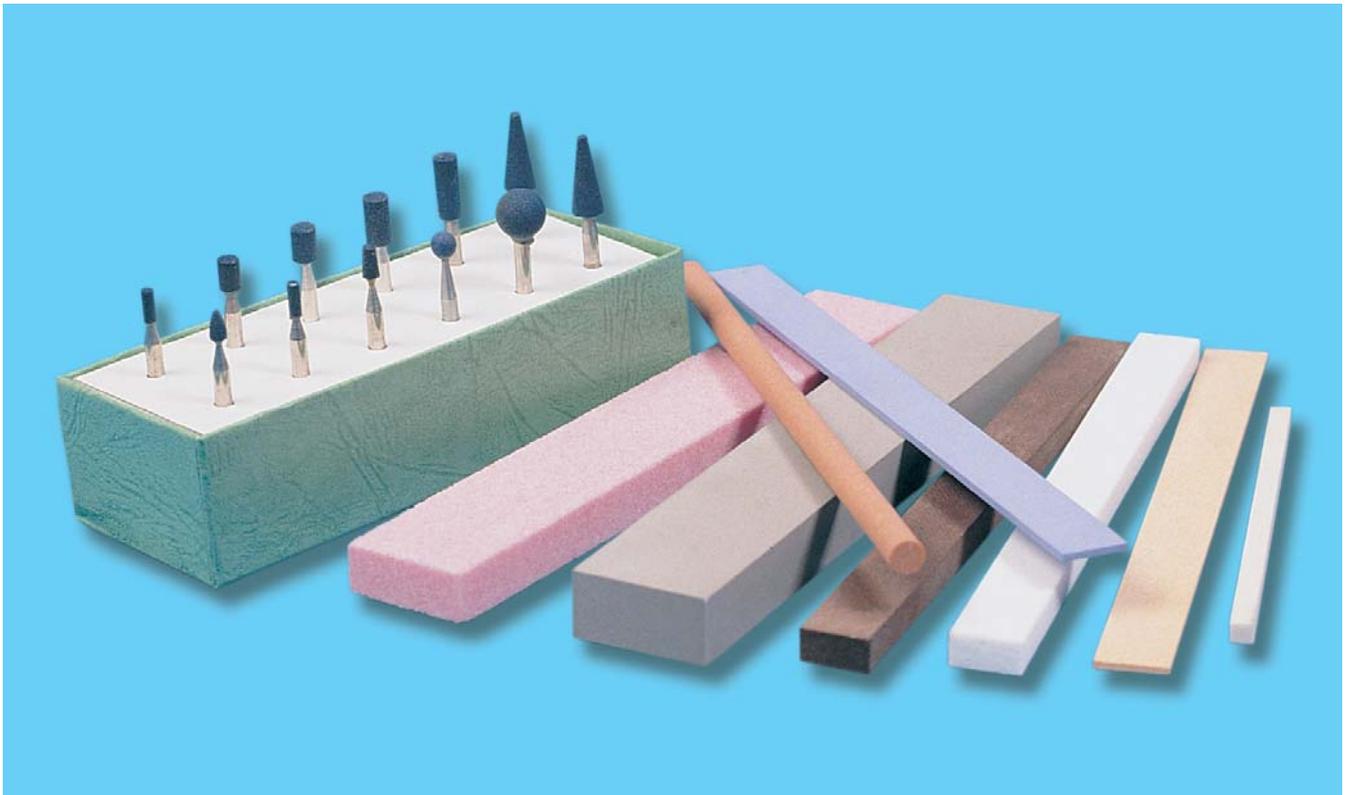
Kemet Lubricating Fluids

- ◆ Assists Kemet Diamond Products to cut and polish more effectively by absorbing frictional heat and diluting the lapping residue.
- ◆ Lubricant performance remains stable even when under high pressure.
- ◆ Manufactured from high purity chemicals.



LUBRICATING FLUIDS					
Type	Colour	Soluble in	450ml Trigger Spray	2.5 litres	25 litres
			Code	Code	Code
W	Clear	Water	301201	301101	-
W2	Yellow	Water	301202	301102	301205
OS	Blue	Oil	301203	301103	301112
LS	Blue	Oil/Water	301204	301104	-
K	Clear	Oil	-	301124	301125

LUBRICATING FLUIDS		
W	Water	A low viscosity water based fluid developed for use with types KD and W Kemet Diamond Compound. Recommended for use on all Kemet Polishing Cloths as it helps to extend their life.
W2	Water	A low viscosity water based fluid developed for use with Kemet Diamond Suspension, particularly when being used on Kemet Plates.
OS	Oil	A low viscosity oil based lubricant primarily for use with Kemet Diamond Compounds such as types KD and L. Recommended when polishing tooling, moulds and similar components.
LS	Oil/Water	An alternative to OS Fluid soluble in oil and emulsifiable in water. For use with Kemet Diamond Compounds and Liquid Diamond, particularly where components need to undergo a water based cleaning operation after lapping.
K	Oil	For use with Kemet Liquid Diamond on Kemet Flat Lapping Systems. Assists smooth running of the lapping operation and helps to ensure a cleaner process.



Gesswein Abrasive Stones are designed to be used directly after machining, or spark eroding, in the preparation of surfaces for final polishing. All stones are manufactured to high standards from a liquid mix of the abrasive and the bonding agent, which is then fired in a thermostatically controlled kiln to ensure uniform distribution of the abrasive

particles in each stone. The stones are cut after firing and ground to size when cold, this process yields consistent quality and performance. Care should be taken in use and storage to prevent contamination from one grit, or type, to another. It is recommended that **Kemet Stoning Oil** is used as a lubricant with the stones.

DF DIEMAKER (Beige/light brown)

This range of stone has established itself as one of the most popular in use today. Fast cutting with moderate breakdown, the DF can be used on both hard and soft steels, and is also suitable for some non-ferrous materials. May be used by hand or in profiling machines.

GESSWEIN ABRASIVE STONES		TYPE DF					
Size	Grit	150	220	320	400	600	900
	6 x 1.5 x 100 mm	-	DF2210	DF2310	DF2410	DF2610	DF2910
	6 x 3 x 150 mm	DF2101	DF2201	DF2301	DF2401	DF2601	-
	6 x 6 x 150 mm	DF2102	DF2202	DF2302	DF2402	DF2602	-
	19 x 6 x 150 mm	DF2109	DF2209	DF2309	DF2409	DF2609	-
	25 x 25 x 150 mm	DF2106	DF2206	DF2306	DF2406	DF2606	-
	9.5 x 9.5 x 150 mm	DF2108	DF2208	DF2308	DF2408	DF2608	-
	13 x 1.5 x 150 mm	DF2108	DF2208	DF2308	DF2408	DF2608	-
	13 x 3 x 150 mm	DF2103	DF2203	DF2303	DF2403	DF2603	-
	13 x 6 x 150 mm	DF2104	DF2204	DF2304	DF2404	DF2604	-
	13 x 13 x 150 mm	DF2105	DF2205	DF2305	DF2405	DF2605	-
	25 x 3 x 150 mm	-	-	DF2311	DF2411	DF2611	-
	25 x 6 x 150 mm	-	-	DF2312	DF2412	DF2612	-
	25 x 13 x 150 mm	DF2107	DF2207	DF2307	DF2407	DF2607	-

GESSWEIN ABRASIVE STONES		TYPE DF (Continued)						
	Size	Grit	150	220	320	400	600	900
	6 x 6 x 6 x 150 mm		DF2192	DF2292	DF2392	DF2492	-	-
	9.5 x 9.5 x 9.5 x 150 mm		DF2198	DF2298	DF2398	DF2498	-	-
	6 Dia x 150 mm		DF3102	DF3202	DF3302	DF3402	DF3602	DF3902
	25 x 13 x 150 mm		DF3102	DF3202	DF3302	DF3402	DF3602	DF3902
	13 Dia x 150 mm		DF3105	DF3205	DF3305	DF3405	DF3605	-
DF Pencil Stones								
	4 x 4 x 100 mm		1DF	2DF	3DF	4DF	6DF	9DF

EDM (Orange)

Stones are designed to remove the tough hard scale left by Electro-Discharge Machining. These stones contain extra sharp particles of Aluminium Oxide, together with a small amount of Chromium Oxide, within a special bond, which enables them to follow contours. May be used by hand, or in profiling machines.

GESSWEIN ABRASIVE STONES		TYPE EDM						
	Size	Grit	120	180	220	320	400	600
	6 x 1.5 x 100 mm		-	EDM6110	EDM6210	EDM6310	EDM6410	EDM6610
	13 x 3 x 150 mm		EDM6123	EDM6183	EDM6203	EDM6303	EDM6403	EDM6603
	6 x 3 x 150 mm		EDM6121	EDM6181	EDM6201	EDM6301	EDM6401	EDM6601
	6 x 6 x 150 mm		EDM6122	EDM6182	EDM6202	EDM6302	EDM6402	EDM6602
	9.5 x 9.5 x 150 mm		EDM6128	EDM6188	EDM6208	EDM6308	-	-
	13 x 1.5 x 150 mm		EDM6120	EDM6180	EDM6200	EDM6300	EDM6400	EDM6600
	13 x 6 x 150 mm		EDM6124	EDM6184	EDM6204	EDM6304	EDM6404	EDM6604
	25 x 25 x 150 mm		EDM6126	EDM6186	EDM6206	EDM6306	-	-
	6 x 6 x 6 x 150 mm		EDM6192	EDM6292	-	EDM6392	-	-
	9.5 x 9.5 x 9.5 x 150 mm		EDM6198	EDM6298	-	EDM6398	-	-
	6 Dia x 150 mm		EDM6198	EDM6298	-	EDM6398	-	-
EDM Pencil Stones								
	4 x 4 x 100 mm		EDM61	EDM62	EDM622	EDM63	EDM64	EDM66

EDM BLUE (Blue)

Stones are a natural development from the extremely popular EDM (Orange) stones. Due to the inclusion of a small amount of cobalt, they are harder than EDM (Orange), maintaining their strength even in small section sizes, with good resistance to loading. Excellent for use in profiling or ultrasonic machines. EDM Blue stones break down slowly, cut fast and are very good for detailed work.

GESSWEIN ABRASIVE STONES		TYPE EDM BLUE						
	Size	Grit	120	180	220	320	400	600
	6 x 3 x 100 mm		EDM6121B	EDM6181B	EDM6201B	EDM6301B	EDM6401B	EDM6601B
	13 x 3 x 150 mm		EDM6123B	EDM6183B	EDM6203B	EDM6303B	EDM6403B	EDM6603B
	13 x 6 x 150 mm		EDM6124B	EDM6184B	EDM6204B	EDM6304B	EDM6404B	EDM6604B
	6 x 6 x 150 mm		EDM6122B	EDM6182B	EDM6202B	EDM6302B	EDM6402B	EDM6602B
	13 x 1.5 x 150 mm		EDM6120B	EDM6180B	EDM6200B	EDM6300B	EDM6400B	EDM6600B
	6 Dia x 150 mm		EDM0122B	EDM0182B	-	EDM0302B	-	-
EDMB Pencil Stones								
	4 x 4 x 100 mm		EDM61B	EDM62B	EDM622B	EDM63B	EDM64B	EDM66B

RA (Brown)

Stones are manufactured from very hard Aluminium Oxide within a resin bond to give flexibility and resilience. Excellent for corners, deep ribs and areas of fine detail, these stones produce a finer finish than other stones of the same grit. RA stones are extremely versatile and may be used by hand, or in profiling machines and ultrasonic polishers.

GESSWEIN ABRASIVE STONES			TYPE RA						
	Size	Grit	90	120	180	220	320	400	600
	6 x 3 x 150 mm		RA4091	RA4121	RA4181	RA4201	RA4301	RA4401	RA4601
	13 x 1.5 x 150 mm		-	RA4120	RA4180	RA4200	RA4300	RA4400	RA4600
	6 x 6 x 150 mm		RA4092	RA4122	RA4182	RA4202	RA4302	RA4402	RA4602
	13 x 6 x 150 mm		RA4094	RA4124	RA4184	RA4204	RA4304	RA4404	RA4604
	13 x 3 x 150 mm		RA4093	RA4123	RA4183	RA4203	RA4303	RA4403	RA4603

RA Pencil Stones									
	Size	Grit	90	120	180	220	320	400	600
	4 x 4 x 100 mm		-	-	41RA	42RA	43RA	-	46RA
	4 Dia x 100 mm		-	-	-	-	33RA	-	-

MF MOULDMAKER (Grey/Blue)

Soft-bonded Silicon Carbide, which constantly presents fresh sharp edged particles to the work material. These stones produce fast stock removal and are widely used on hardened steel surfaces, as well as to rough finish non-ferrous materials. Excellent for contours. Generally used by hand.

GESSWEIN ABRASIVE STONES			TYPE MF			
	Size	Grit	220	320	400	600
	6 x 1.5 x 100 mm		MF200	MF300	MF400	MF600
	13 x 6 x 150 mm		MF1204	MF1304	MF1404	MF1604
	6 x 3 x 150 mm		MF1201	MF1301	MF1401	MF1601
	6 x 6 x 150 mm		MF1202	MF1302	MF1402	MF1602
	13 x 3 x 150 mm		MF1203	MF1303	MF1403	MF1603
	13 x 13 x 150 mm		MF1205	MF1305	MF1405	MF1605
	25 x 25 x 150 mm		MF1206	MF1306	MF1406	MF1606

MFP MOULDMAKER PLUS (Grey/Blue)

Slightly harder than MF, the MFP cuts well with slower breakdown. It is a good choice for contours and radii, and generates a silky matt surface on hardened steels. Can be used on non-ferrous materials. May be used by hand or in profiling machines.

GESSWEIN ABRASIVE STONES			TYPE MFP			
	Size	Grit	220	320	400	600
	6 x 3 x 150 mm		MFP1201P	MFP1301P	MFP1401P	MFP1601P
	6 x 6 x 150 mm		MFP1202P	MFP1302P	MFP1402P	MFP1602P
	13 x 6 x 150 mm		MFP1204P	MFP1304P	MFP1404P	MFP1604P
	13 x 13 x 150 mm		MFP1205P	MFP1305P	MFP1405P	MFP1605P
	13 x 3 x 150 mm		MFP1203P	MFP1303P	MFP1403P	MFP1603P
	25 x 25 x 150 mm		MFP1206P	MFP1306P	-	-

MFP Pencil Stone	Size	Grit	150	220	320	400	600	800	1200
	4 x 4 x 100 mm		MFP15P	MFP20P	MFP30P	MFP40P	MFP60P	MFP80P	MFP200P

OT OIL TREATED (white)

These stones have been increasing in popularity over recent years. Able to be used on hard or soft mould and die steels, OT stones are made from white premium grade Aluminium Oxide, in a medium/hard bond, which is soaked in oil during the manufacturing process. This enables the stones to be used, if required, without lubrication. OT stones maintain good shape during use, and are excellent for processing either machined or fine EDM surfaces. Good for use in profiling machines.

GESSWEIN ABRASIVE STONES		TYPE OT					
	Size	Grit	120	220	320	400	600
	6 x 3 x 150 mm		OT5101	OT5201	OT5301	OT5401	OT5601
	6 x 6 x 150 mm		OT5102	OT5202	OT5302	OT5402	OT5602
	13 x 3 x 150 mm		OT5103	OT5203	OT5303	OT5403	OT5603
	13 x 6 x 150 mm		OT5104	OT5204	OT5304	OT5404	OT5604
OT Pencil Stones							
	4 x 4 x 100 mm		OT51	OT52	OT53	OT54	OT56

PW PREMIUM (white)

Pure white premium white grade Aluminum Oxide stones specially formulated to be load resistant. These semi-hard stones can be used on all steels, they retain their shape well, making them a good choice for finishing details. Can be used in profiling machines or ultrasonic polishers.

GESSWEIN ABRASIVE STONES		TYPE PW						
	Size	Grit	100	150	220	320	400	600
	4 x 4 x 100 mm		-	-	PW5002	PW5003	PW5004	PW5006
	6 x 3 x 150 mm		PW5101	PW5151	PW5201	PW5301	PW5401	PW5601
	6 x 1.5 x 100 mm		-	-	PW5210	PW5310	PW5410	-
	6 x 6 x 150 mm		PW5102	PW5152	PW5202	PW5302	PW5402	PW5602
	13 x 3 x 150 mm		PW5103	PW5153	PW5203	PW5303	PW5403	PW5603
	13 x 6 x 150 mm		PW5104	PW5154	PW5204	PW5304	PW5404	PW5604

ROX ROUGH OUT (Dark Grey)

Stones are large and relatively soft, designed for maximum cutting with fairly fast breakdown. They are used to remove rough machining marks or for "hogging" out material prior to the finishing process.

GESSWEIN ABRASIVE STONES		TYPE ROUGH OUT				
	Size	Grit	80	100	150	200
	6 x 6 x 200 mm		-	X8002	-	-
	25 x 6 x 200 mm		X8080	X8100	X8150	X8200
	38 x 19 x 200 mm		X8082	X8102	X8152	X8202
	13 x 6 x 150 mm		-	X8004	-	-
	25 x 13 x 200 mm		X8081	X8101	X8151	X8201

US ULTRA-SOFT (White)

Stones have been specially developed for use on soft and non-ferrous metals, with excellent results obtained on aluminium in particular. Manufactured with an extra soft bond, the US stone shapes readily to contours. Fast cutting without loading. Recommended for use by hand only.

GESSWEIN ABRASIVE STONES		TYPE ULTRA SOFT				
	Size	Grit	120	320	600	1200
	6 x 6 x 150 mm		US7102	US7302	US7602	US7002
	13 x 3 x 150 mm		US7103	US7303	US7603	US7003
	13 x 6 x 150 mm		US7104	US7304	US7604	US7004
	25 x 13 x 150 mm		US7107	US7307	US7607	US7007
	25 x 25 x 150 mm		US7106	US7306	US7606	US7006

SF SUPER FINE STONES

Super Fine Finishing Stones contain levigated (finely powdered) alumina and are one of our softest stones for finishing steel surfaces. They break down very rapidly and do not scratch. Super Fine Stones may be used to produce a final finish or to prepare surfaces for polishing with Kemet Diamond Compound.

GESSWEIN ABRASIVE STONES		TYPE SF
Size	Grit	1200
	4 x 4 x 100 mm	SF12
	6 x 3 x 150 mm	SF9001
	6 x 6 x 150 mm	SF9002
	13 x 3 x 150 mm	SF9003
	13 x 6 x 150 mm	SF9004

WP WHITE POLISHING (White)

Supplied in 800 grit Aluminium Oxide only, these stones are described as "soft and chalk like" and best used by hand. WP Stones breakdown rapidly and are excellent at removing light scratches or for use prior to polishing with Kemet Diamond Compound.

GESSWEIN ABRASIVE STONES		TYPE WP
Size	Grit	800
	4 x 4 x 100 mm	WP080
	6 x 3 x 100 mm	WP801
	6 x 6 x 100 mm	WP802
	13 x 3 x 100 mm	WP803
	13 x 6 x 100 mm	WP804
	13 x 13 x 100 mm	WP805

KEMET SUPER STONES

Super Stones are made of long ceramic fibres that will not break or dull under the most strenuous conditions even when dressed to a very fine point. Economical: solid ceramic so 100% of the stone is available for use. Each grit size is colour coded. Very good for working in Ultrasonic Machines. Excellent for removing fine spark erosion and small detailed work.

KEMET SUPER STONES						
Size	Grit	300	600	800	1000	1200
	4 x 0.8 x 100 mm	SL084	SP084	SB084	SW084	SR084
	4 x 1 x 100 mm	SL104	SP104	SB104	SW104	SR104
	4 x 2 x 100 mm	SL204	SP204	SB204	SW204	SR204
	6 x 1 x 100 mm	SL106	SP106	SB106	SW106	SR106
	6 x 2 x 100 mm	SL206	SP206	SB206	SW206	SR206
	10 x 1 x 100 mm	SL110	SP110	SB110	SW110	SR110
	10 x 2 x 50 mm	SL210	SP210	SB210	SW210	SR210
	1 Dia x 50 mm	SLD1A	SPD1A	SBD1A	SWD1A	SRD1A
	1 Dia x 50 mm	SLD3A	SPD3A	SBD3A	SWD3A	SRD3A

KEMET SUPER EXTRA STONES

Similar to Super Stones, but with slightly more rapid exposure of the ceramic strands and a coarse grade, they have higher stock removal.

KEMET SUPER EXTRA STONES			
Size	Grit	220	300
	4 x 1 x 100 mm	AD1004M	AL1004M
	6 x 1 x 100 mm	AD1006M	AL1006M
	10 x 1 x 100 mm	AD1010M	AL1010M
	3 Dia x 50 mm	PM30S	PL30S

KEMET SUPER DIAMOND STONES

Similar to Super Stones available in a range of impregnated diamond grits; being diamond these have the ability to cut the hardest materials. The abrasive is granular, so they will also cut on the sides.

KEMET SUPER DIAMOND STONES				
Size	Grit	200	400	600
	4 x 1 x 100 mm	SDS142	SDS144	SDS146
	6 x 1 x 100 mm	SDS162	SDS164	SDS166
	10 x 1 x 100 mm	SDS112	SDS114	SDS116
	3 Dia x 50 mm	SDS32A	SDS34A	SDS36A

Xebec Ceramic Stones

Xebec Meister Range

The standard range of Xebec Meister Finish stones feature Alumina Fibres very accurately graded. The abrasive is enclosed in a resin matrix for high strength. For use by hand or with Power and Ultrasonic polishers.

XEBEC CERAMIC STONES				
Size	Grit	Colour	Type	Code
0.5 x 4 x 100mm	1200	Red	AR-0504M	312610
	1000	White	AW-0504M	312611
	800	Blue	AB-0504M	312612
	600	Black	AP-0504M	312613
	400	Orange	AO-0504M	312614
	300	Light Brown	AL-0504M	312615
	220	Dark Brown	AD-0504M	312616
0.5 x 6 x 100mm	1200	Red	AR-0506M	312617
	1000	White	AW-0506M	312618
	800	Blue	AB-0506M	312619
	600	Black	AP-0506M	312620
	400	Orange	AO-0506M	312621
	300	Light Brown	AL-0506M	312622
	220	Dark Brown	AD-0506M	312623



0.8 x 4 x 100mm	1200	Red	AR-0804M	312624
	1000	White	AW-0804M	312625
	800	Blue	AB-0804M	312626
	600	Black	AP-0804M	312627
	400	Orange	AO-0804M	312628
	300	Light Brown	AL-0804M	312629
	220	Dark Brown	AD-0804M	312471
0.8 x 6 x 100mm	1200	Red	AR-0806M	312630
	1000	White	AW-0806M	312631
	800	Blue	AB-0806M	312632
	600	Black	AP-0806M	312633
	400	Orange	AO-0806M	312634
	300	Light Brown	AL-0806M	312635
	220	Dark Brown	AD-0806M	312636



XEBEC CERAMIC STONES				
Size	Grit	Colour	Type	Code
0.8 x 10 x 100mm	1200	Red	AR-0810M	312637
	1000	White	AW-0810M	312638
	800	Blue	AB-0810M	312639
	600	Black	AP-0810M	312640
	400	Orange	AO-0810M	312641
	300	Light Brown	AL-0810M	312642
	220	Dark Brown	AD-0810M	312643
1.0 x 4 x 100mm	1200	Red	AR-1004M	312644
	1000	White	AW-1004M	312645
	800	Blue	AB-1004M	312646
	600	Black	AP-1004M	312647
	400	Orange	AO-1004M	312455
	300	Light Brown	AL-1004M	312452
	220	Dark Brown	AD-1004M	312449
1.0 x 6 x 100mm	1200	Red	AR-1006M	312648
	1000	White	AW-1006M	312649
	800	Blue	AB-1006M	312650
	600	Black	AP-1006M	312651
	400	Orange	AO-1006M	312456
	300	Light Brown	AL-1006M	312453
	220	Dark Brown	AD-1006M	312450
1.0 x 8 x 100mm	1200	Red	AR-1008M	312652
	1000	White	AW-1008M	312653
	800	Blue	AB-1008M	312654
	600	Black	AP-1008M	312655
	400	Orange	AO-1008M	312656
	300	Light Brown	AL-1008M	312657
	220	Dark Brown	AD-1008M	312658
1.0 x 10 x 100mm	1200	Red	AR-0804M	312659
	1000	White	AW-1010M	312660
	800	Blue	AB-1010M	312661
	600	Black	AP-1010M	312662
	400	Orange	AO-1010M	312663
	300	Light Brown	AL-1010M	312454
	220	Dark Brown	AD-1010M	312451
3mm \varnothing x 100mm	1200	Red	PR-30M	312664
	1000	White	PW-30M	312665
	800	Blue	PB-30M	312666
	600	Black	PP-30M	312667
	400	Orange	PO-30M	312668
	300	Light Brown	PL-30M	312669
	220	Mouse	PD-30M	312670



XEBEC CERAMIC STONES				
Size	Grit	Colour	Type	Code
3mm \varnothing x 50mm	1200	Red	PR-30S	312466
	1000	White	PW-30S	312467
	800	Blue	PB-30S	312474
	600	Black	PP-30S	312468
	400	Orange	PO-30S	312473
	300	Light Brown	PL-030S	312469
	220	Mouse	PD-30S	312470

Xebec Ceramic Heat-Resistant Range

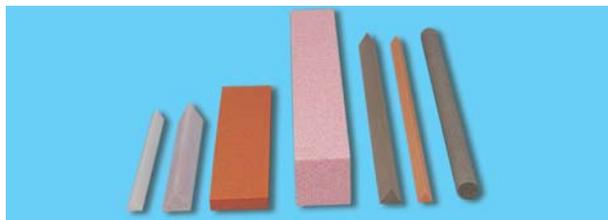
The Heat-Resistant range of Xebec Ceramic Stones offer resistance to temperatures up to 200°C. Having the same performance as the MEISTER range of ceramic stones and are most suitable for removing EDM scales. The Heat-Resistant range has been developed for prolonged use with Ultrasonic Machines.

XEBEC CERAMIC STONES				
Heat-Resistant Stones				
Size	Grit	Colour	Type	Code
1.0 x 4 x 100	1200	Red	HR-1004M	312671
	800	Blue	HB-1004M	312672
	220	Dark Brown	HD-1004M	312673
1.0 x 6 x 100	1200	Red	HR-1006M	312674
	800	Blue	HB-1006M	312675
	220	Dark Brown	HD-1006M	312676
2.0 x 4 x 100	1200	Red	HR-2004M	312677
	800	Blue	HB-2004M	312678
	220	Dark Brown	HD-2004M	312679
2.0 x 6 x 100	1200	Red	HR-2006M	312680
	800	Blue	HB-2006M	312681
	220	Dark Brown	HD-2006M	312682

Xebec Diamond Range

Xebec Diamond Stones have diamonds embedded in layers enabling them to be used to the end without losing sharpness, and as the abrasive is granular these diamond stones cut on the side as well as the tip. Suitable on hard materials such as hardened steels, Tungsten Carbide and Ceramics etc.

XEBEC CERAMIC STONES				
Diamond Range				
Size	Grit	Colour	Type	Code
1.0 x 4 x 100	800	Grey	D-S-1004M	312685
	400	Blue/Green	D-F-1004M	312686
	200	Black	D-M-1004M	312687
1.0 x 6 x 100	800	Grey	D-S-1006M	312688
	400	Blue/Green	D-F-1006M	312689
	200	Black	D-M-1006M	312690
1.0 x 10 x 100	800	Grey	D-S-1010M	312691
	400	Blue/Green	D-F-1010M	312692
	200	Black	D-M-1010M	312693
0.5 x 10 x 100mm	400	Blue/Green	D-F-0510M	312694
0.5 x 10 x 100mm	200	Black	D-M-0510M	312695
3mm \varnothing x 50mm	400	Blue/Green	PDF30S	312696
3mm \varnothing x 100mm	400	Blue/Green	PDF30M	312697



Kemet Abrasive Stones

To compliment the Gesswein and Xebec standard stones, a range of specialists stones are available in a wide range of shapes and sizes, these include Arkansas, Crystolon and India stones.

For full information contact Kemet Sales.

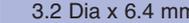
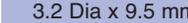
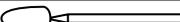
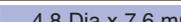
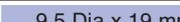
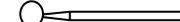
KEMET RUBY STONES

Kemet Ruby Stones are made from sintered crystals of synthetic ruby, and are extremely hard and resistant to wear. They have outstanding ability to maintain shape which is particularly important for the highest quality finishing of work with intricate detail. Ruby Stones are suitable for use in Ultrasonic Polishing Machines. Also used for gentle edge honing of Tungsten Carbide tools.

KEMET RUBY STONES				KEMET RUBY STONES			
	Size	Code	Shape		Size	Code	Shape
	1.2 x 1.2 x 50 mm	400	Square		2 x 2 x 2 x 50 mm	402	Triangle
	2 x 2 x 100 mm	403	Square		3.2 x 3.2 x 3.2 x 100 mm	413	Triangle
	1.2 Dia x 50 mm	401	Round		3.2 x 0.25 x 50 mm	406	Flat
	1.2 Dia x 100 mm	404	Round		5.0 x 1.52 x 100 mm	409	Barrette
	3.2 Dia x 100 mm	405	Round		4.1 x 1.9 x 100 mm	411	Crossing
	4 x 100 mm	407	Half Round				

GESSWEIN ABRASIVE MOUNTED STONES

Mounted Stones are produced with Aluminium Oxide as a cutting material in an especially hard porcelain-like bonding containing cobalt. The bonding gives these stones a very long life and an extraordinary ability to maintain their shape. Considerable saving is achieved, not only because of the reduced consumption of Mounted Stones, but also due to the time saved in exchanging stones.

ABRASIVE MOUNTED STONES								
	Size	Code		Size	Code		Size	Code
	2.4 Dia x 6.4 mm	W142		3.2 Dia x 6.4 mm	W144		3.2 Dia x 9.5 mm	W145
	4 Dia x 6.4 mm	W149		4.8 Dia x 6.4 mm	W152		4.8 Dia x 9.5 mm	W153
	6.4 Dia x 9.5 mm	W162		6.4 Dia x 12.7 mm	W163		7.9 Dia x 12.7 mm	W170
	9.5 Dia x 9.5 mm	W175		9.5 Dia x 12.7 mm	W176		12.7 Dia x 1.6 mm	W181
	12.7 Dia x 3.2 mm	W182		12.7 Dia x 12.7 mm	W185		19 Dia x 3.2 mm	W200
	25.4 Dia x 3.2 mm	W215						
	5.6 Dia x 9.5 mm	B44		4.8 Dia x 7.6 mm	B45		9.5 Dia x 19 mm	B52
	6.4 Dia x 15.9 mm	B53		3.2 Dia x 6.4 mm	B55		15.9 Dia x 2.4 mm	B71
	3.2 Dia x 6.4 mm	B96		2.4 Dia x 9.5 mm	B97		6.4 Dia x 6.4 mm	B105
	9.5 Dia mm	B122		4.8 Dia mm	B123			

Spindle size

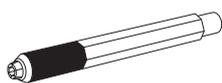
Spindle size 1/8", 3mm available on request

Grit sizes

All stones 120 grit

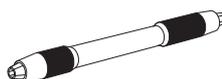
KEMET STONE HOLDERS / HAND TYPE

Type A



Spring chuck action. For use with Pencil Stones 4mm x 4mm. Not suitable for round stones.

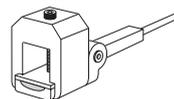
Type B



Screw chuck action double ended holder. For use with 6mm x 6mm and 6mm x 3mm stones.

KEMET STONE HOLDERS / MACHINE TYPE

Type D



Medium duty use. Plastic body. 3mm shank with adjustable angle. Suitable for most stones up to 10mm x 10mm or 13mm diameter.

Type C2



Heavy duty use. Pressed steel body. 3mm shank with adjustable angle. Suitable for stones up to 10mm x 10mm or 13mm diameter.

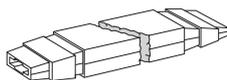
KEMET STONE HOLDERS / HAND TYPE

Type E



For use with 13mm x 6mm stones.

Type LT



Double ended holder. One end for 3mm x 13mm and 6mm x 6mm stones, the other for 3mm x 6mm stones. Wedge locking action.

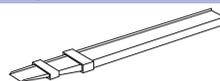
KEMET STONE HOLDERS / MACHINE TYPE

Type J



Medium duty use. Machined steel body. 3.1mm fixed shank. Fits most 3mm and 1/8" collets. Suitable for stones up to 10mm x 3mm or 3mm diameter.

Super Stone Holder Kit



Consisting of three holders for use with Super Stones 4mm, 6mm and 10mm wide and from 0.8mm to 2mm thick.

KEMET STONE KITS

DF Stone Kits

Introductory Kit

2 each of DF2202, DF2302, DF2402, DF2204, DF2304, DF2404

Pencil Stone Kit

4 each of 2DF, 3DF, 4DF, 6DF stones & Type A Holder

EDM Stone Kits (Blue)

Introductory Kit

2 each of EDM6121B, EDM6181B, EDM6123B, EDM6183B, EDM6303B.

Pencil Stone Kit

4 each of EDM61B, EDM62B, EDM63B & Type A Holder

MF Stone Kits

Introductory Kit

2 each of MF1202, MF1302, MF1204, MF1304, MF1402, MF1404.

Super Stone Kits

Super Stone Comprehensive Kit

1 each of the following AD1004M, AL1004M, SP104.

Kemet Ruby Stones

Assorted Set

Including holder code 420

EDM Stone Kits (Orange)

Introductory Kit

2 each of EDM6182, EDM6302, EDM6124, EDM6184, EDM6304.

Pencil Stone Kit

4 each of EDM61, EDM62, EDM63 & Type A Holder

RA Stone Kits

Introductory Kit

2 each of RA4092, RA4102, RA4302, RA4094, RA4184, RA4304.

Pencil Stone Kit

3 each of 41RA, 42RA, 43RA, 46RA, 33RA stones & Type A Holder

OT Stone Kits

Introductory Kit

2 each of OT5202, OT5302, OT5402, OT5304, OT5404.

Pencil Stone Kit

4 each of OT52, OT53, OT54, OT56 stones & Type A Holder

Mounted Stone Kits

Comprehensive Kit

100 piece Kemet Gesswein Mounted Stone Comprehensive Kit. 10 each of B44, B52, B96, B123, W144, W152, W162, W170, W175 & W200

Introductory Kit

Kemet Gesswein Mounted Stone Introductory Kit. 1 each of B44, B55, B71, B96, B105, B123, W142, W144, W149, W152, W163, & W176

Dressing Block

For shaping mounted stones

Comprehensive Kit

1 each of the following EDM6302, EDM6601, EDM6402B, EDM6601B, OT5302, OT5601, DF2302, DF2601, MF1402, MF1601, WP802, WP801, 1 x Type B Stone Holder.



KEMET STONING OIL

Safer than kerosene and with much less odour. It is formulated to promote clean, free cutting and greatly assists in the prevention of loading. Can be used with most kinds of stones and is environmentally friendly.

STONING OIL

Contents	Code
2.5 Litres	321512

STONING OIL

Contents	Code
5 Litres	321513

AbraDisc

The improved, self-adhesive, resin bonded AbraDisc, identified by its brown/red appearance, is produced on a superior cloth backing with premium bonding materials to effectively key the aluminium oxide grit particles to the cloth and has an advanced adhesive for increased 'stickability' and shelf life. As with the earlier materials it has application in all industries where coarse abrading is required. With the 3 diameters and 3 alternative grits available, the ideal size/grit combination can be provided for any particular application. The integral, self-adhesive backing, enabling used discs to be readily replaced on to the appropriate rubber holders, facilitates continuous & sustained use. Most types of hand tools and flexible shaft units can be used as driving equipment. Recommended rotational speeds: 1"-25mm dia 7,500rpm, 2"-50mm dia 4,500rpm, 3"-75mm dia 2,500rpm. Abrasive strip materials, incorporating similar features to the discs, are available.

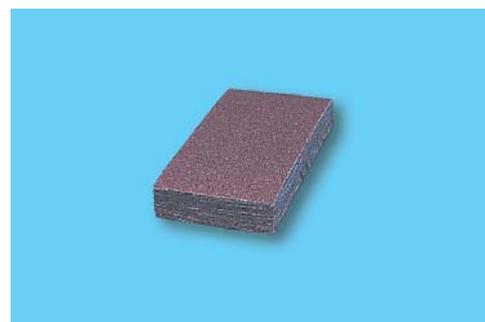
ABRADISC			
Grit	size 1"- 25mm	size 2"- 50mm	size 3"- 75mm
	Code	Code	Code
60 (Red box)	410001	410004	410007
120 (yellow box)	410002	410005	410008
180 (blue box)	410003	410006	410009



ABRADISC HOLDERS					
RUBBER HOLDERS			FOAM FACE HOLDERS		
Size	Shaft	Code	Size	Shaft	Code
1" - 25mm	1/8"	410201	1" - 25mm	1/8"	410204
2" - 50mm	1/4"	410202	2" - 50mm	1/4"	410205
3" - 75mm	1/4"	410203	3" - 75mm	1/4"	410206



ABRASTRIP				
Length	Width	Grit 60	Grit 120	Grit 180
		Code	Code	Code
6" - 150mm	1" - 25mm	410101	410102	410103
6" - 150mm	2" - 50mm	410104	410105	410125
6" - 150mm	3" - 75mm	410106	410107	410108
6" - 150mm	6" - 150mm	410126	410127	410137
12" - 300mm	1" - 25mm	410109	410110	410111
12" - 300mm	2" - 50mm	410112	410113	410114
12" - 300mm	3" - 75mm	410115	410116	410128
12" - 300mm	6" - 150mm	410134	410135	410136
18" - 460mm	1" - 25mm	410131	410129	410132
18" - 460mm	2" - 50mm	410119	410120	410133
18" - 460mm	3" - 75mm	410139	410140	410141
18" - 460mm	6" - 150mm	410142	410143	410144
24" - 610mm	1" - 25mm	410145	410146	410147
24" - 610mm	2" - 50mm	410148	410149	410150
24" - 610mm	3" - 75mm	410151	410152	410153
24" - 610mm	6" - 150mm	410154	410155	410156
30" - 760mm	1" - 25mm	410157	410158	410159
30" - 760mm	2" - 50mm	410160	410161	410162
30" - 760mm	3" - 75mm	410163	410164	410165
30" - 760mm	6" - 150mm	410166	410167	410168



Other sizes of AbraStrip resin-bonded, self-adhesive abrasive strip can be supplied up to 305mm wide and 914 mm long. Prices on application for minimum quantities of 25 of each size.

AbraCap Small Kit Type A

The AbraCap Abrasive Caps and the flexible Rubber Holders which are included in the small **AbraCap Kit Type A** are novel tools for fine grinding and polishing of all metals; whenever rigid grinding is unsatisfactory Abracap fulfils their purpose. The Abrasive Caps are manufactured without a seam and are covered with several layers of grit. They can be used up to the last particle. AbraCaps Kit Type A contains coarse and fine caps. It is recommended to slightly wet the surface of the rubber holder prior to pushing on the Abrasive Cap to ensure that the cap, which has a glue surface on the inside, firmly sticks to the Rubber Holder. The flexible Rubber Holders have a longitudinal slit so that when pushing the cap on, air can escape and a used cap can be slit with a knife and removed from the Rubber Holder. There are three shapes of Rubber Holders and Polishing Caps, each in five diameters. The shafts of the Rubber Holders are 1/8" and are made of steel and securely bonded to the rubber. Recommended rotational speeds for small diameters is 6,000 - 10,000rpm and for large diameters 3,000 - 6,000rpm.

SMALL KIT TYPE A	
Description	Code
1 Rubber Holder 5, 10 and 16mm in each shape, square, round and pointed (9 Holders). 10 Abrasive Caps, Coarse and fine grade for each of the above Holders (180) caps supplied in plastic box with transparent lid.	430035



SMALL ABRACAP/ RUBBER HOLDERS			
1/8" shank			
Ref	Dimensions		Code
	Diameter	Length	
5S	5mm	10mm	430100
5R	5mm	11mm	430101
5P	5mm	11mm	430102
7S	7mm	12mm	430118
7R	7mm	13mm	430117
7P	7mm	13mm	430119
10S	10mm	15mm	430103
10R	10mm	15mm	430104
10P	10mm	15mm	430105
13S	13mm	17mm	430120
13R	13mm	19mm	430121
13P	13mm	19mm	430122
16S	16mm	26mm	430106
16R	16mm	26mm	430107
16P	16mm	26mm	430108

(3mm shank available)

SMALL ABRACAP					
Course 80 grit		Medium 150 grit		Fine 320 grit	
Ref	Code	Ref	Code	Ref	Code
5SC	430001	5SM	430040	5SF	430002
5RC	430003	5RM	430041	5RF	430004
5PC	430005	5PM	430042	5PF	430006
7SC	430039	7SM	430043	7SF	430044
7RC	430038	7RM	430045	7RF	430046
7PC	430047	7PM	430048	7PF	430049
10SC	430009	10SM	430050	10SF	430010
10RC	430011	10RM	430051	10RF	430012
10PC	430013	10PM	430052	10PF	430014
13SC	430053	13SM	430054	13SF	430055
13RC	430056	13RM	430057	13RF	430058
13PC	430057	13PM	430060	13PF	430037
16SC	430222	16SM	430061	16SF	430022
16RC	430023	16RM	430062	16RF	430024
16PC	430025	16PM	430063	16PF	430026



AbraCap & Flexible Rubber Holder



S- Suffix denotes Square Profile



R- Suffix denotes Round Profile



P- Suffix denotes Pointed Profile

AbraCap Large Kit Type B

The AbraCap Abrasive Caps, sleeves and flexible Rubber Holders which are included in the **AbraCap Kit Type B** differ in design from the AbraCaps of Kit A in as much as the Rubber Holders and abrasive sleeves are tapered. Their are four large sizes of abrasive sleeves and four smaller sizes of Abrasive Caps. These two features make them ideally suited for grinding and polishing of radii, deflashing and deburring, etc. Also the four smaller sizes of Abrasive Caps can be used on the larger type of Tapered Rubber Holders. Large AbraCaps and sleeves are manufactured in two grit sizes (coarse, fine). The shafts of the Rubber Holders are 1/4" diameter and are made of steel and securely bonded to the rubber. Recommended rotational speed for the smaller types is up to 18,000 rpm and for the larger types up to 12,000 rpm.

LARGE KIT TYPE B	
Description	Code
1 each of 8 Rubber Holders as above 10 each large AbraCaps and AbraCap sleeves in, coarse & fine grades. 160 pieces supplied in plastic box with transparent lid.	430036

LARGE ABRACAP/ RUBBER HOLDERS			
1/4" - 6.25mm shank			
Ref	Dimensions		Code
	Diameter	Length	
5/4	5mm	15mm	430109
11/9	11mm	29mm	430111
16/14	16mm	32mm	430113
22/19	22mm	40mm	430115

LARGE ABRACAP				
Taper				
Diameter	Coarse 80 grit		Fine 320 grit	
	Ref	Code	Ref	Code
5mm- 4mm	5CT	430007	5FT	430009
11mm-9mm	11CT	430017	11FT	430018
16mm-14mm	16CT	430027	16FT	430028
22mm-19mm	22CT	430031	22FT	430032

ABRACAP SLEEVE RUBBER HOLDERS			
1/4" - 6.25mm shank			
Ref	Dimensions		Code
	Diameter	Length	
10/4	10mm	85mm	430110
15/9	15mm	85mm	430112
20/14	20mm	85mm	430114
25/19	25mm	85mm	430116

LARGE ABRACAP SLEEVES				
Taper				
Diameter	Coarse 80 grit		Fine 320 grit	
	Ref	Code	Ref	Code
10mm- 4mm	10CT	430015	10FT	430016
15mm-9mm	15CT	430019	15FT	430020
20mm-14mm	20CT	430029	20FT	430030
25mm-19mm	25CT	430033	25FT	430034

Simichrome

One of the finest all-metal polishes in the world. Simichrome is used to produce an ultra high finish. It is ideal for chrome, steel, brass, gold and silver etc. A small amount of Simichrome applied to a clean Kemet Felt Bob or Cone will remove the smoky haze often seen after final finishing. This will bring out the brilliance of the metal. Simichrome can also be applied by hand using a clean, soft cloth and then buffed to a brilliant lustre. It leaves a protective film and is recommended for use after using Kemet Diamond Compounds.

SIMICHROME			
Product	Size	Ref	Code
Simichrome	50g Tube	218/2050	300515
Simichrome	250g Can	218/2150	300516



Gesswein Belt Sticks

An inexpensive hand tool to complement our range of other precision surface finishing products. Each plastic holder 1/4"-6.25mm, 1/2"-12.5mm & 3/4"-18.75mm, allows a narrow abrasive belt to be quickly fitted. As the abrasive wears, the belt can be easily inched round to expose fresh abrasive. The overall design of this tool makes it extremely useful for the dressing of irregular profiles. The holders are colour coded to promote correlation with different abrasives, red (120 grit), blue (240 grit), green (320 grit) yellow (400 grit) and black (600 grit).

GESSWEIN BELT STICKS			
Colour	1/4" 6.25mm	1/2" 12.5mm	3/4" 18.75mm
	Code	Code	Code
Red	107-3610	107-3640	107-3670
Green	107-3614	107-3642	107-3672
Blue	107-3612	107-3644	107-3674
Yellow	107-3616	N/A	N/A
Black	107-3618	N/A	N/A



GESSWEIN ABRASIVE BELTS			
Grit	1/4" 6.25mm	1/2" 12.5mm	3/4" 18.75mm
	Code	Code	Code
120	107-3621	107-3651	107-3681
240	107-3625	107-3655	107-3685
320	107-3627	107-3657	107-3687
400	107-3628	N/A	N/A
600	107-3629	N/A	N/A



GESSWEIN BELT STICK KIT	
Description	Code
1/4"- 6.25mm. 3 sticks, 1 each red, green & blue. 3 packs of 5 belts with grit grades 120, 240, 320.	107-3603

RING FINISHING KIT	
Description	Code
Used in conjunction with rotating flexible drive equipment, together with Kemet Diamond Compound, the Ring Finishing Kit facilitates speedy finishing of flat surfaces. The universal jointed holder enables the ring to follow the surface, irrespective of the angle of the handpiece. When lapping and pre-finishing with Kemet Diamond Compounds in 25, 14, 8 and 6 micron, we recommend that the brass rings are used.	
Kit contains 20 Brass Rings, 20 Plastic Rings, 3 Holders.	325014
Extra Brass Ring Set 20.	325015
Extra Plastic Ring Set 20.	325016
Spare Ring Holder.	325017



Silicon Carbide Waterproof Abrasive Rolls and Papers

Non-adhesive rolls and papers for the initial stages of preparations, available in a variety of sizes, dimensions and grits.



MET ROLLS			
Description	Grit	Quantity	50m x 75mm Code
Rolls are 50m long x 75mm.	80	Each	342241
	120	Each	342331
	180	Each	342242
	240	Each	342213
	320	Each	342222
	400	Each	342214
	600	Each	342215
	800	Each	342224
	1200	Each	342240
2500	Each	342332	



MET PAPERS		
Description	Grit	Code
Waterproof silicon carbide paper sheets 230mm x 275mm (9" x 11"). Available in grit sizes from 180 to 2500.	180	342201
	240	342219
	320	342202
	400	342203
	600	342204
	800	342235
	1200	342206
	2500	342339

Bramet N

IMPROVED BRAMET with easy peel off adhesive, waterproof silicon carbide papers. No need for clamping or gluing, saving time when changing grit sizes.



BRAMET STRIPS (Pack of 10)			
Description	Grit	Dimensions	
		75mm x 275mm Code	305mm x 305mm Code
Available in two sizes: 75mm x 275mm and 305mm x 305mm and in a variety of grits: 60 to 2500.	60	342460	342471
	80	342461	342472
	120	342462	342473
	180	342124	342135
	240	342125	342164
	320	342126	342476
	400	342127	342477
	600	342128	342478
	800	342133	342479
	1200	342134	342480
	2500	342470	342481

GESSWEIN G-FLEX WHEELS				
Size	Grit	Shank	Ref.	Code
5 x 13mm	80	1/8	154/80	312201
	120	1/8	154/120	312202
		3mm		312236
	180	1/8	154/180	312203
320	1/8	154/320	312204	
6 x 13mm	80	1/8	163/80	312205
	120	1/8	163/120	312206
		3mm		312237
	180	1/8	163/180	312207
320	1/8	163/320	312208	
10 x 13mm	80	1/8	176/80	312209
	120	1/8	176/120	312210
		3mm		312240
	180	1/8	176/180	312211
320	1/8	176/320	312212	
10 x 19mm	80	1/8	177/80	312220
	120	1/8	177/120	312213
	180	1/8	177/180	312214
	320	1/8	177/320	312215
13 x 13mm	80	1/8	185/80	312216
	120	1/8	185/120	312217
	180	1/8	185/180	312218
	320	1/8	185/320	312219

Gesswein G-Flex Wheels

Supplied in boxes of 12.

The Gesswein range of G-Flex mounted Wheels are manufactured from the finest quality materials. These wheels can be dressed with a file to various shapes, their slight resilience keeps them from being too aggressive, they maintain their shape and do not clog, their non-loading and resilient characteristics enable abrading and finishing to be completed in one operation.

Ideal in size and shape, their versatility enables them to be used in a variety of ways from polishing mould runners to forming and polishing the interiors of fine gold rings. Safety is an additional feature, the muslin laminates run parallel to the shank preventing the end from chipping.

GESSWEIN G-FLEX MOUNTED WHEEL INTRODUCTORY KIT	Code
<p>Each kit contains examples of shape, size and grit texture from the wide range of quality G-Flex Mounted Wheels, including 1 off each of the following:</p> <ul style="list-style-type: none"> 5 x 13mm, grit 80, 120, 180. (Ref. 154) 10 x 13mm, grit 80, 320. (Ref. 176) 10 x 19mm, grit 120, 180. (Ref. 177) 13 x 13mm, grit 80, 120, 320. (Ref. 185) 6m x 13mm, grit 120, 180. (Ref. 163) 	312238



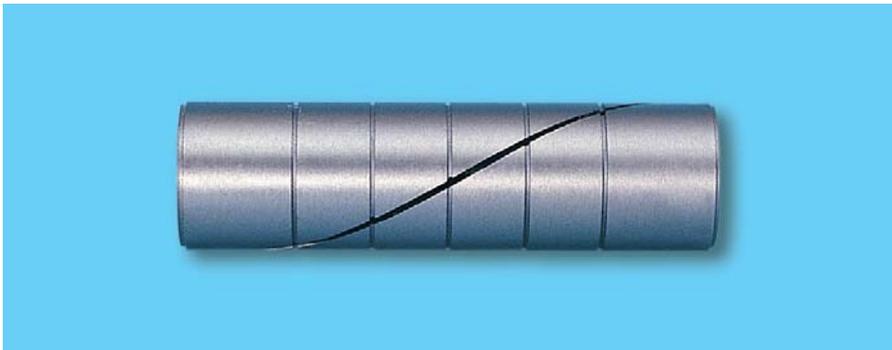
Helilaps

Internal Helilaps are used wherever there is a requirement for accurate sizing and / or straightening of bores. Additionally they are frequently used for correcting of roundness or straightness in manufactured components.



Internal laps, arbors, expanders and pullers.

HELILAPS											
Laps			Corresponding Arbors					Expanders		Pullers	
Nominal Lap dia 'E'	Length 'D'	Code	Arbor No.	Shank Dia 'A'	Shank Length 'B'	Taper Length 'C'	Code	Expander No.	Code	Size	Code
3/64"	1/2"	303101	4/0	1/8"	3/4"	1 1/2"	303401	4/0	303201	Extra Small	303301
1/16"	5/8"	303102	3/0	1/8"	3/4"	1 1/2"	303402	3/0	303216		
5/64"		303103									
3/32"	3/4"	303104	2/0	1/8"	3/4"	1 5/8"	303403	2/0	303202		
7/64"		303105									
1/8"	7/8"	303106									
9/64"		303107	0	1/8"	3/4"	1 3/4"	303404	0	303203		
5/32"		303108									
11/64"		303109									
3/16"	1 3/8"	303110									
13/64"		303111	1	3/16"	1"	2 3/4"	303405	1	303204	Small	303202
7/32"	1 3/4"	303112									
15/64"		303113									
1/4"	2"	303114	3	3/16"	1"	4"	303407	3	303206		
17/64"		303115									
9/32"		303116									
19/64"		303152									
5/16"	2"	303117	4	7/32"	1"	4"	303408	4	303207		
21/64"		303153									
11/32"		303154									
23/64"		303118									
3/8"	2 1/2"	303119	5	9/32"	1 1/2"	5"	303409	5	303208		
25/64"		303120									
13/32"		303121									
27/64"		303122									
7/16"	2 1/2"	303123	6	5/16"	1 1/2"	5"	303410	6	303209		
29/64"		303124									
15/32"		303125									
31/64"		303166									



HELILAPS (continued)											
Laps			Corresponding Arbors					Expanders		Pullers	
Nominal Lap dia 'E'	Length 'D'	Code	Arbor No.	Shank Dia 'A'	Shank Length 'B'	Taper Length 'C'	Code	Expander No.	Code	Size	Code
1/2"	3 1/4"	303126	7	3/8"	1 1/2"	6"	303411	7	303210	Small	303302
33/64"		303127									
17/32"		303155									
35/64"		303156									
9/16"		303157									
37/64"		303174									
19/32"		303128									
39/64"		303168									
5/8"	3 1/4"	303129	8	13/32"	1 1/2"	6"	303412	8	303211	Large	303303
41/64"		303170									
21/32"		303130									
43/64"		303175									
11/16"		303131									
45/64"		303132									
23/32"		303133									
47/64"		303171									
3/4"	3 1/2"	303134	9	1/2"	2"	7"	303413	9	303212		
49/64"		303158									
25/32"		303135									
51/64"		303167									
13/16"		303136									
53/64"		303159									
27/32"		303160									
55/64"		303161									
7/8"	3 1/2"	303172	10	9/16"	2"	7"	303414	10	303213		
57/64"		303176									
29/32"		303144									
59/64"		303162									
15/16"		303137									
61/64"		303177									
31/32"		303138									
63/64"		303165									

Kemet Brushes

Made of natural stiff bristle for longer retention of Diamond Compounds, resulting in improved polishing operations. All types are supplied on 3/32" spindles.

BRUSHES		
Description	Diameter	Code
Type A Cup Brushes	12mm	321401
	9mm	321402
	6mm	321403
Type B Brushes	22mm	321405
	19mm	321406
	16mm	321407
Type C Brushes Insert Spindle to Suit Junior Cup Brush	3mm	321412
	N/A	321413
	6mm	321425



SUPRA "ME" BRUSHES						
Style	Ref.	Type	Trim Length	Dia.	Shank	Code
1	111 - 8590 P*	Hard	1/4"	3/16"	1/8"	321419
1	111 - 8490 P*	Soft	1/4"	3/16"	1/8"	321417
2	111 - 8620 P*	Hard	3/8"	1/4"	1/8"	321445
2	111 - 8520 P*	Soft	3/8"	1/4"	1/8"	321446
3	110 - 8625	Hard	1/2"	1/4"	1/8"	321447
4	110 - 8627	Hard	3/4"	1/4"	1/8"	321448
5	110 - 9620	Hard	9/16"	5/16"	1/8"	321449
6	110 - 8600	Hard	1/4"	3/16"	3/32"	321450
6	110 - 8500	Soft	1/4"	3/16"	3/32"	321451
7	110 - 8605	Hard	1/2"	3/16"	3/32"	321452
8	110 - 8610	Hard	3/8"	1/4"	3/32"	321453
8	110 - 8510	Soft	3/8"	1/4"	3/32"	321454
9	110 - 8615	Hard	1/2"	1/4"	3/32"	321455

P* denotes plastic ferrule.



SUPRA "ME" WIRE END						
Style	Ref.	Type	Trim Length	Dia.	Shank	Code
6	110 - 8800	Steel	1/4"	3/16"	3/32"	321456
6	110 - 8700	Brass	1/4"	3/16"	3/32"	321457
5	110 - 9820	Steel	7/16"	5/16"	1/8"	321458
5	110 - 9720	Brass	9/16"	5/16"	1/8"	321459

Kemet Polishing Accessories

ACCESSORY KIT		
Contents	Spindle Diameter Bobs/Cones	
	1/8"	3mm
	Code	Code
15 felt cones and 15 felt bobs (3 of each size), 3 felt wheels (1/8" spindle) and rectangulars, 10 assorted brushes, 10 brush inserts, 2 spindles, 18 hard and 18 soft lapping sticks (2 of each size). 6 hard and 6 soft wooden bobs and 6 hard and soft wooden cones (2 of each size) and a felt wheel spindle.	321503	321504



Kemet Brushes

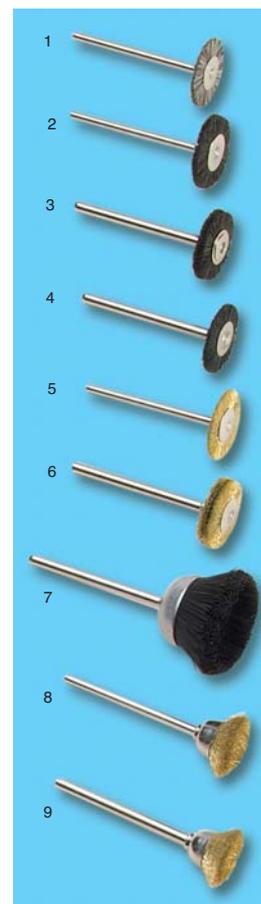
A large selection of brushes, wheels and cups in a variety of shapes and sizes is available.

SUPRA "MM" BRUSHES						
Style	Ref.	Type	Trim Length	Dia.	Shank	Code
1	112 - 7110	Hard	3/16"	3/4"	3/32"	321434
2	112 - 7111	Hard	3/16"	3/4"	3/32"	321435
3	112 - 7120	Hard	3/16"	3/4"	1/8"	321427
4	112 - 7130	Hard	3/16"	3/4"	1/8"	321428

SUPRA "MM" WIRE WHEELS						
Style	Ref.	Type	Trim Length	Dia.	Shank	Code
5	112 - 7310	Steel	3/16"	3/4"	3/32"	321436
5	112 - 7210	Brass	3/16"	3/4"	3/32"	321437
6	112 - 7320	Steel	3/16"	3/4"	1/8"	321438
6	112 - 7220	Brass	3/16"	3/4"	1/8"	321439

SUPRA "MM" BRISTLE CUP						
Style	Ref.	Type	Trim Length	Dia.	Shank	Code
7	112 - 7640	Hard	7/16"	1"	1/8"	321423
7	112 - 7540	Soft	7/16"	1"	1/8"	321440

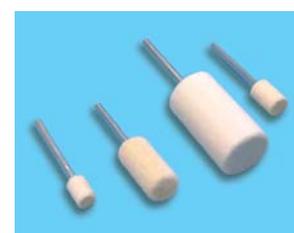
SUPRA "MM" WIRE CUP						
Style	Ref.	Type	Trim Length	Dia.	Shank	Code
8	112 - 7810	Steel	3/16"	9/16"	3/32"	321441
8	112 - 7710	Brass	3/16"	9/16"	3/32"	321442
9	112 - 7820	Steel	1/4"	5/8"	1/8"	321443
9	112 - 7720	Brass	3/16"	9/16"	1/8"	321444



Kemet Felt Accessories

Suitable for flexible shaft and power tools.

FELT BOBS					
No	Dimensions	1/8" Spindle	3mm Spindle	1/4" Spindle	6mm Spindle
		Code	Code	Code	Code
1	Ø20 x 38mm	321301	321306	N/A	N/A
2	Ø16 x 34mm	321302	321307	N/A	N/A
3	Ø12 x 25mm	321303	321308	N/A	N/A
4	Ø9 x 14mm	321304	321309	N/A	N/A
5	Ø7 x 11mm	321305	321310	N/A	N/A
6	Ø25 x 25mm	N/A	N/A	321369	N/A
7	Ø38 x 38mm	N/A	N/A	N/A	321331



Felt Accessories are made from pure wool in a variety of sizes and shapes suitable for final polishing operations.

FELT CONES				
No	Dimensions	1/8" Spindle	3mm Spindle	6mm Spindle
		Code	Code	Code
1	Ø20 x 28mm	321341	321347	N/A
2	Ø16 x 28mm	321342	321348	N/A
3	Ø12 x 28mm	321344	321349	N/A
4	Ø9 x 20mm	321345	321350	N/A
5	Ø7 x 16mm	321346	321351	N/A
6	Ø25 x 25mm	N/A	N/A	321394
7	Ø38 x 38mm	N/A	N/A	321375



MISCELLANEOUS FELT ACCESSORIES

Description	Dimensions	Spindle	Code
Felt Wheels	Ø25 x 28mm	N/A	321371
Spindle to Suit Above	Ø1/8"	Ø1/8"	321372
Felt Sticks	6 x 6 x 100mm	N/A	321382
Felt Sticks	10 x 10 x 100mm	N/A	321383
Felt Mounted Sticks	6 x 6 x 40mm	3mm	321387
Felt Mounted Sticks	10 x 10 x 40mm	3mm	321386
Felt Rectangles	50 x 25 x 2.5mm	N/A	321373



Kemet Wooden Accessories

Kemet Wooden Lapping Accessories are available in both soft and hard wood and include Bobs, Cones, and Sticks. A variety of sizes are available and Bobs and Cones are available on either 1/8" or 3mm spindles.

Kemet Hard Laminated Wooden Accessories are designed for operations requiring fast stock removal, and consist of highly compressed wood layers with alternating grain direction, saturated with synthetic resin.

Kemet Soft Wooden Accessories are specially selected from a grit free soft wood, for use with fine grades of Diamond Compound where a softer medium is needed to produce a fine lustre and polish on the workpiece.

WOODEN LAPPING STICKS

No	Dimensions	Code	
		Hard	Soft
1	4 x 4 x 150mm	321201	N/A
2	4 x 6 x 150mm	321202	321222
3	6 x 6 x 150mm	321203	321223
5	8 x 12 x 150mm	321205	321225
6	8 x 19 x 150mm	321206	321226
7	Ø3 x 150mm	321207	321227
8	Ø4.5 x 150mm	321208	321228
9	Ø6 x 150mm	321209	321229



WOODEN BOBS

No	Dimensions	Hard		Soft	
		1/8" Spindle	3mm Spindle	1/8" Spindle	3mm Spindle
		Code	Code	Code	Code
1	Ø7 x 12mm	321101	321104	321121	321124
2	Ø12 x 20mm	321102	321105	321122	321125
3	Ø18 x 28mm	321103	321106	321123	321126



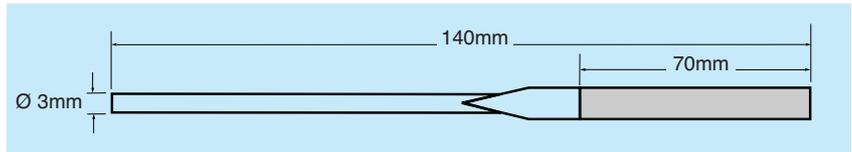
WOODEN CONES

No	Dimensions	Hard		Soft	
		1/8" Spindle	3mm Spindle	1/8" Spindle	3mm Spindle
		Code	Code	Code	Code
1	Ø7 x 16mm	321107	321110	321127	321130
2	Ø12 x 30mm	321108	321111	321128	321131
3	Ø18 x 30mm	321109	321112	321129	321132



Kemet Diamond Coated Needle Files

These files are available in various sections and are manufactured from high quality steel uniformly electroplated with diamond particles. Normally used by hand. A plastic handle is available. They can also be used in N.S.K. and Diprofil reciprocating Filing machines.



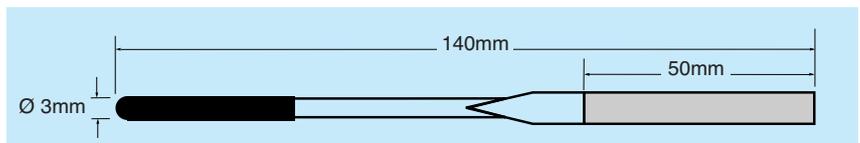
Grit size: 120 Standard (other grits on request)

KEMET DIAMOND COATED NEEDLE FILE PROFILES

Code	321560	321562	321578	321559
Cross Section				
Code	321561	321610	321567	321608
Cross Section				

Kemet Diamond Needle Files

10 piece set each with a plastic grip in wooden case.



KEMET DIAMOND NEEDLE FILE SET

Type	Description	Code
KPFL - 10	One each of the files shown below (10) in a polished wooden box.	321611

KEMET TYPE KPFL - 10 - 200 GRIT

Type	KPFL - 101	KPFL - 102	KPFL - 103	KPFL - 104	KPFL - 105
Cross Section					
Type	KPFL - 101	KPFL - 102	KPFL - 103	KPFL - 104	KPFL - 105
Cross Section					

Kemet Diamond Needle Files

Diamond Tapered needle file set with plastic handles colour coded according to grit size.

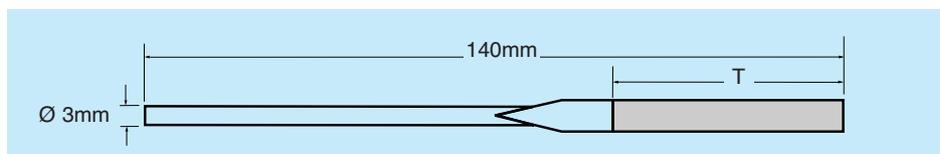


KEMET DIAMOND NEEDLE FILE SET		
Type	Description	Code
KNDF - 10	One each of the files shown below (10) in a pvc pouch	321568

KEMET DIAMOND NEEDLE FILE SET					
	L	T	Cross Section	Grit	Type
	130mm	30mm		200	KNDF-16D
				400	KNDF-16E
				600	KNDF-16F
	130mm	30mm		200	KNDF-14D
				400	KNDF-14E
				600	KNDF-14F
	130mm	30mm		200	KNDF-12D
				400	KNDF-12E
				600	KNDF-12F
	140mm	50mm		600	KNDF-103F

Kemet Diamond Coated Thin Section Flat Files

For use in restricted areas. They have a degree of spring and flexibility built in.



KEMET TYPE B 150 - 200 - 400 GRIT		
Type	B5	B8
Cross Section	5.5mm 	5.5mm
T Length	40mm	50mm
Grit	Code	Code
150 Grit	321556	321553
200 Grit	321551	321554
400 Grit	321552	321555

KEMET HAVE MANY DIFFERENT NEEDLE FILES IN DIAMOND OR STEEL FOR USE BY HAND OR IN NSK AND DIPROFIL RECIPROCATING FILING MACHINES.

Kemet Diamond Plated Profile Points

Kemet Diamond Plated Profile Points are high quality electro plated rotary grinding tools. They are designed for shaping and finishing hard materials including Tungsten Carbide and Ceramics. Individual shapes are available in packs of 10 with 3mm ϕ shank. The BMS 30D Kit contains 30 profile points. The shapes marked * form the kit, which is available with 3mm ϕ or 1/8" ϕ shank. All Grit 120.



KEMET DIAMOND PLATED PROFILE POINTS

Point											
ϕ mm	1	1.5	2	2.5	3	3.5	4	5	6	1	1.5
T mm	8	8	8	8	10	10	10	10	10	8	8
Ref Nos.	10A	15A	20A	25A	30A	35A	40A	50A	60A	10C	15C
Code	321542	321540	321480	321481	321543	321482	321498	321515	321516	321531	321524
Items in 30D Kit	*	*	*	*	*	*	*	*			*

Point											
ϕ mm	2	2.5	3	3.5	4	5	6	2	3	3	1.5
T mm	8	8	10	10	10	10	10	10	10	10	10
Ref Nos.	20C	25C	30C	35C	40C	50C	60C	20T	30T	30V	15R
Code	321530	321545	321549	321538	321537	321517	321518	321490	321491	321533	321525
Items in 30D Kit	*	*	*	*	*	*		*	*	*	*

Point											
ϕ mm	2	3	2	3	6	2	3	4	5	3	6
T mm	12	14	12	15	13	10	10	10	10	14	13
Ref Nos.	20R	30R	20P	30P	60P	20F	30F	40F	50F	30J	60J
Code	321541	341485	321523	321522	321544	341486	321497	321521	321528	321529	321519
Items in 30D Kit	*	*	*	*		*	*		*		

Point										
ϕ mm	1.5	2	3	4	5	6	3	3	BMS-30D 3mm ϕ Shank	
T mm	-	-	-	-	-	-	5	6	BMS-30D 1/8" ϕ Shank	
Ref Nos.	15B	20B	30B	40B	50B	60B	30Q	30S		
Code	321526	321520	321532	321535	321527	321539	321536	321534		
Items in 30D Kit		*	*		*			*	321509	
									321508	

Kemet Silicon Carbide Lapping Compound

In some cases Silicon Carbide is the preferred abrasive for precision lapping, cutting and smoothing of metal surfaces. Kemet Silicon Carbide Lapping Compound retains its texture and lubrication properties during extended lapping operations.

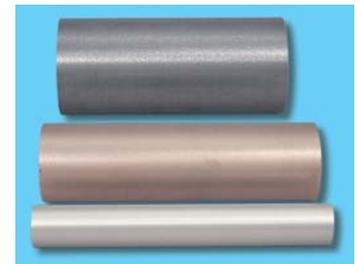
KEMET SILICON CARBIDE LAPPING COMPOUND			
Container Size	Micron	FIPA Grade	Code
1 kg	75	120	361549
1 kg	62	220	361550
1 kg	36.5	280	361538
1 kg	29.2	320	361558
1 kg	22.8	360	361548
1 kg	17.3	400	361551
1 kg	9.3	600	361514
1 kg	4.5	1000	361552
1 kg	3	1200	361547



Sabre Aluminium Oxide Paste

Sabre Abrasive Paste is specially formulated containing Aluminium Oxide Abrasive and is available in 20g syringes. It is suitable for a wide range of lapping/polishing operations, and it is particularly effective when used for smoothing soft metals such as brass, aluminium and copper; it is also effective for smoothing small areas of glass prior to polishing. Sabre Pastes are also available based on both silicon carbide and boron carbide abrasives.

SABRE ALUMINIUM OXIDE PASTE			
Container Size	Micron	Ref	Code
20g Syringe	0.3	305	300206
20g Syringe	1	304	300205
20g Syringe	3	303	300204
20g Syringe	6	302	300203
20g Syringe	14	301	300202
20g Syringe	25	300	300201



KEMET® Rod

KEMET - Composite lapping rods

The finest composite lapping materials for use with Kemet Diamond Compounds. Kemet composite rods are manufactured from a homogeneous mix of synthetic resins, metal particles and other materials. Kemet rods are produced in varying hardness values so that the softest materials can be safely lapped with Kemet Diamond compound.

KEMET RODS			
Type	25mm ø x 150mm Code	50mm ø x 150mm Code	75mm ø x 150mm Code
Kemet Iron	352101	352102	352103
Kemet Copper	352104	352105	352106
Kemet XP	352113	352108	352114
Kemet Tin	352107	352116	352163

Kemet Iron - Principally used on harder materials where heavy stock removal is required.

Kemet Copper - Used to lap softer materials where fine lapping and polishing is the primary requirement.

Kemet XP - Developed for the polishing of hard materials such as ceramic and tungsten carbide.



Kemet Tin - Used for precision polishing of optical and opto-electronic components.

N.B. Rods will be supplied centred each end and 25mm longer than nominal length for machining to requirements, with the exception of Kemet Tin which will be supplied uncentred at 150mm long. Prices for other sizes available on application.

Kemet Mounted Grinding Points

Kemet can supply to special order a wide range of mounted grinding points for specialist applications. These are available in a variety of shapes, sizes, grits and bonds. For full information consult Kemet Technical Department.

Kemet CO - 42 Cleaning Fluid

CO-42 is a cleaning and degreasing fluid with many of the performance characteristics of 1.1.1 Trichloroethane, but without the ozone depleting properties. It is designed for cold use and may be applied by spray, brush, cloth or full immersion. However, it is not approved for use at elevated temperatures or in Ultrasonic Cleaning Machines.

Features:

- ◆ Immediate Substitute for 1.1.1. Trichloroethane.
- ◆ Contains no ozone depleting substances.
- ◆ Highly efficient degreasing power.
- ◆ Ideal evaporation rate.
- ◆ Immense cost saving potential.

CO - 42 CLEANING FLUID		
Size	Container Type	Code
450ml	Plastic with Trigger Spray	302103
5 Litres	Metal	302102
25 Litres	Metal	302101

Benefits:

- ◆ **Effectiveness** - CO-42 cuts through contamination such as Lapping and Polishing residue, grease, oils and general surface contamination.
- ◆ **Safety** - CO-42 is the safe alternative to chlorinated solvents and does not cause the nausea associated with such products.
- ◆ **Evaporation** - CO-42 is quick drying, but not so fast as to leave dried staining on the surfaces of products. The controlled wetting and evaporating properties of CO-42 make it extremely versatile and efficient.
- ◆ **Versatility** - able to act as an extremely efficient cleaning agent for most metals, most plastics, ceramics, glass and other similar materials. (Always test small area first).



Kemet C70 Solvent Cleaning Fluid

Kemet C70 is a Solvent cleaning and degreasing fluid with all of the characteristics needed to remove grease, oil and residues from parts. It is supplied in a pressurised container complete with detachable extended spray tube for reaching into the most difficult areas.

Features:

- ◆ High efficient degreasing solvent.
- ◆ Very fast evaporation rate.
- ◆ No staining.
- ◆ Instantly removes lapping and polishing residue.
- ◆ Cost effective.
- ◆ Versatile and can be used on all metals, ceramics etc. (Always test small area first).
- ◆ Contains no ozone depleting substances.

CO - 70 SOLVENT CLEANING FLUID		
Size	Container Type	Code
500 ml	Aerosol	302114
500 ml	Aerosol Pack of 12	302115



Tool and Mould Cleaning Systems from 3 to 3000 Litres

Cleaning mould/forming tools to remove plastic/rubber residues, release agent build up, non-ferrous mould debris etc. can now be achieved with **Kemet Mould Cleaning MC** - range of systems.

Normally cleaning is a manual process sometimes using abrasives. Not only is this manual labour time consuming, but also, abrasion can damage precision edges, profiles and surfaces.

Kemet's systems use an aqueous process which 'searches' the intricate areas of the tooling, no solvents are used, making the process kinder to the environment and personnel.

Rinsing and Dewatering units can be specified and supplied to complete and complement the Cleaning process.

At our factories in Maidstone, Kent and the Netherlands we have demonstration and test facilities to develop a process tailored to the customer's requirements.



STANDARD PRODUCT RANGE

Model	Ultrasonic power kW	Tank Vol 1	Dimensions l x d x w (mm)
Small			
40MC	0.6	40	455 x 265 x 230
80MC	1.2	80	580 x 330 x 340
MC-110	1.2	120	510 x 360 x 430
Medium			
MC-170	1.2	200	440 x 650 x 440
MC-230	2.4	330	470 x 740 x 560
MC-360	3.6	430	800 x 600 x 600
MC-550	4.8	550	900 x 500 x 780
Large			
MC-950	6.0	1050	1170 x 570 x 1000
MC-1400	8.4	1400	1550 x 550 x 1100
MC-2100	12.0	2100	1550 x 900 x 1100
MC-2900	14.4	2900	1800 x 1000 x 1200

Kemet Ultrasonic Cleaning Equipment

Industry and manufacturers require thoroughly clean parts (typical applications include the cleaning of lapped components, e.g. mechanical seals, valves and medical equipment). Nothing cleans faster, safer or more thoroughly than Kemet Ultrasonic Cleaners. Getting into awkward and hidden surfaces is no problem. With no moving parts, the vibrating transducers create an implosion of microscopic bubbles through the aqueous cleaning fluid that literally blasts dirt, scale and waste from intricate objects and from the most inaccessible places.

Full range of complimentary Rinse / Dewatering / Drying / Filtration / Platform and Automation equipment is available.

Features

- ◆ Powerful ultrasonics for good cleaning.
- ◆ Thermostatically controlled indirect heating. (heating panels in side walls).
- ◆ Floor sloping to drain valve.
- ◆ Built-in ultrasonic generator.
- ◆ Electronic controls with digital time/temperature display.
- ◆ Level guard which cuts off heating and ultrasonics if there is insufficient liquid in the tank.
- ◆ Double lid with thermal and acoustic insulation.
- ◆ Overflow weir for oil skimming.



DIMENSIONS & TECHNICAL DATA					
Model	Si-25	Si-40	Si-80, 12	Si-120	Si-160, 24
Tank Volume / litres	25	40	80	120	160
External Dimensions / mm	540L x 400W x 500H	640L x 390W x 540H	760L x 460W x 720H	740L x 580W x 745H	1340L x 460W x 770H
Tank Dimensions / mm	385L x 280W x 250H	475L x 265W x 300H	585L x 330W x 400H	585L x 450W x 450H	1180L x 330W x 400H
Basket Dimensions / mm	345L x 240W x 195H	420L x 225W x 225H	540L x 290W x 340H	540L x 400W x 390H	1110L x 280W x 300H
Load / kg	5	5	20	35	40
Ultrasonic Frequency / kHz	30	30	30	30	30
Ultrasonic Power / W	300	600	1200	1200	2400
Heating Power / W	1000	1500	2000	4000	6000
Voltage Frequency / V / Hz	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50
Connected Load / W	1300	2100	3200	5200	8400

Dimensions and data are subject to change without further notice

CLEANING FLUID			
Description	Chemistry	Application	Size
Type A9	Light Alkaline	General purpose - All metals	20kg
Type A	Alkaline	General purpose - All steels	1, 5 & 25 litres
Type H14	Strong Alkaline	Mould cleaning - carbon removal Steel, glass / ceramics	20kg
Type N	Neutral	All materials including plastic	1 & 30 litres
Type I	Acid	Rust & oxide removal on all materials Restore white ceramics etching prior to surface treatment	20kg
M99	De-watering	Removes water moisture & protects	20kg

Kemet cleaning fluids are specialist formulated concentrated detergents available in neutral, alkaline and acid types.

For our full range of cleaning systems, please refer to the Kemet Cleaning Division Literature.

Kemet Portable Hand Lap Kits for Lapping and Polishing

The Kemet 3 Lap Kit

Admirably suited for Flat Lapping and Polishing by hand. It contains three lapping plates, each with its own grade of Kemet Diamond Compound. This makes it possible to process many components in three stages, from lapping through to polishing. Each lapping plate is backed with anti-slip matting.



KEMET PORTABLE 3 LAP KIT FOR LAPPING AND POLISHING	
Description & Contents	Code
<p>Kemet Iron Lap Plate (for lapping) 150mm dia., on an aluminium backing plate.</p> <p>Kemet XP Lap Plate (for smoothing), 150mm dia., on an aluminium backing plate.</p> <p>Kemet Tin Lap Plate (for polishing), 150mm dia., on an aluminium backing plate.</p> <p>1 x 10g Kemet Diamond Compound Applikation Stick - 25 Micron. 1 x 10g Kemet Diamond Compound Applikation Stick - 8 Micron. 1 x 10g Kemet Diamond Compound Applikation Stick - 3 Micron.</p> <p>1 x Kemet OS Lubricating Fluid. 1 x Polished Wooden Box with Operating Instructions.</p>	352206

Kemet Single Hand Lap Kits

Components lapped and/or polished by hand in minutes rather than hours. Ideal for components manufactured from ceramics, tungsten carbide, ni-resist etc. Kemet Portable Hand Lapping Kits are also ideally suitable for low volume production, when optimum surface finish is required, and where it is not economical to purchase a lapping or polishing machine.

KEMET HAND LAP KIT TYPE 'L' FOR LAPPING	
Description & Contents	Code
<p>Kemet Iron Lap Plate (for lapping) 348mm dia. with concentric grooving, on an aluminium backing plate. 1 x 10kg Kemet Diamond Compound Applikation Stick - 25 Micron. 1 x Kemet OS Lubricating Fluid. 1 x Polished Wooden Box with Operating Instructions.</p>	352216

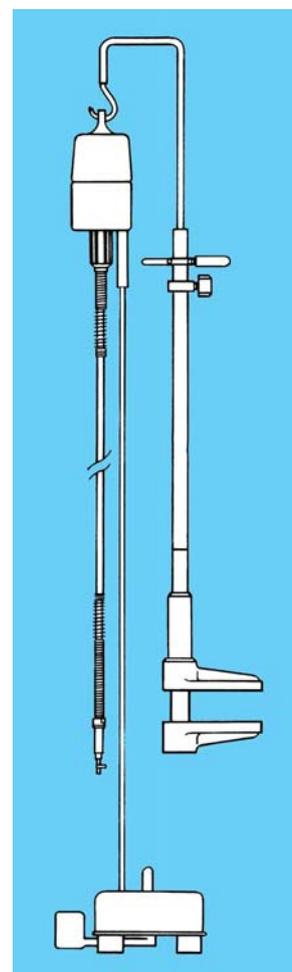


KEMET HAND LAP KIT TYPE 'P' FOR POLISHING	
Description & Contents	Code
<p>Kemet XP Lap Plate (for polishing) 348mm dia. with concentric grooving, on an aluminium backing plate. 1 x 10kg Kemet Diamond Compound Applikation Stick - 3 Micron. 1 x Kemet OS Lubricating Fluid. 1 x Polished Wooden Box with Operating Instructions.</p>	352208

Kemet K.F.D. Flexible Drive System

Electric Motor - Heavy duty motor with high torque, even at low speeds. Robust construction for long and continuous service giving quiet running and vibration free operation. Maximum speed - 22,000rpm. Input voltage - 230 volt (110/120 volt quote G.F.D.). Power output - 300 watts. **Flexible Drive Shaft** - High flexibility and resistant to looping and twisting with double ball races at the tool holder end. A slip joint is provided for the attachment of handpieces for rotating tools and also the Diprofil hand filing machine. **Foot Control** - Built-in variable speed electronic system giving speed range 0-22,000rpm, with increased torque at low speeds. **Bench Stand** - Simple to use variable height adjustment with a free moving centre fulcrum, providing infinitely variable motor drive positioning.

KFD FLEXIBLE DRIVE EQUIPMENT	
Contents	Code
K.F.D. Kit 3E. Flexible Drive Kit for rotary action comprising: Motor, Variable Speed Foot Control Unit. 6mm Stainless Steel Flexible shaft, TH-SZ Handpiece with two collets 3/32" and 1/8". Supplied with Bench Stand. Input voltage of 230 volt. (For input of 110/120 volts quote G.F.D.).	321001
KFD Kit 3K. Electric Motor, Foot Controller and Flexible Shaft.	321003
Electric Motor.	322086
Flexible Drive Shaft.	322011
Foot Control.	322032
Bench Stand.	325001
Support Cradle (alternative to bench stand)	322014



KEMET KFD HANDPIECES			
Description	TH-SZ	VTN	VTN-S
	Code	Code	Code
Handpiece.	322005	322003	322004
3/32" Collet.	325007	325018	325007
1/8" Collet.	325010	325013	325010
1/4" Collet.	325011	-	325011
2.35mm Collet.	325007	325020	325007
3mm Collet.	325008	325012	325008
6mm Collet	325009	-	325009

TH-SZ Handpiece

The TH-SZ straight is supplied with 1/8" and 3/32" diameter collets. (1/4", 2.35mm, 3mm and 6mm diameter collets are available).

VTN Handpiece

This head can be readily swivelled and telescopically extended. Supplied with 1/8" and 3/32" diameter collets. (2.35mm, and 3mm diameter collets are available).

VTN-S Handpiece

Similar to VTN, but larger construction without swivelling or telescopic facility. A 1/4" diameter collet is supplied as standard. (1/8", 3/32", 2.35mm, 3mm and 6mm diameter collets are available).



NSK Electer - E-MAX

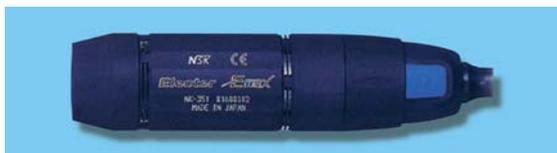
A precision power hand tool system with a wide range of attachments suitable for grinding, smoothing, polishing and deburring.

Features of the Standard Set.

- ◆ A lightweight and compact motor with speed range 1000 - 35,000rpm.
- ◆ Slim easy grip handpiece with quick release collet control lever.
- ◆ Versatile control unit with handle.
- ◆ Full variable speed control with forward and reverse.



ELECTER - E-MAX STANDARD TYPE SET		
Description	Model	Code
Lever Standard E-Max (NK351-1H) 1pc. Collet Chuck ϕ 3.0 (CHH-3.0), ϕ 2.35 mm (CHH-2.35). Control Unit (NE129) 1pc. Handpiece Holder 1pc. Handpiece Stand 1pc. Spanner (7x5.1) 1pc. Pin Spanner (K-233) 1pc.	EL351-IH	340225



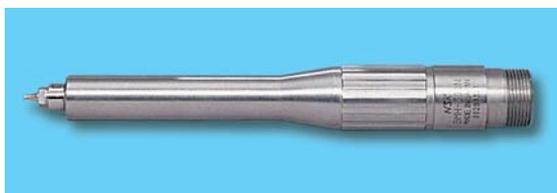
STANDARD MOTOR NK350		
Description	Model	Code
Smooth running motor. Speed range 1000 - 35,000rpm.	NK351	340227



STANDARD ATTACHMENT		
Description	Model	Code
Straight Handpiece with two collets 3mm ϕ and 2.35mm ϕ . (Other collet sizes available).	IH-300	340271



RIGHT ANGLED ATTACHMENT		
Description	Model	Code
Small 90° angle attachment with 3mm ϕ collet chuck. Most suitable for polishing flat surface corners and internal surfaces of pipes. (Other collet sizes available).	IC-300	340272



LONG ATTACHMENT		
Description	Model	Code
This unique slim body makes it ideal for cutting and grinding the bottom surface of deep ribs or holes. 3.0mm ϕ collet. (Other collet sizes available).	BMH-300	340245



1/4 SPEED REDUCER		
Description	Model	Code
The speed is reduced to 1/4 but the torque is multiplied by 4 times.	RG-01	340258

NSK Electer - E-MAX Coreless DC Micro Motor

Features

- ◆ NSK Smart Switch.
- ◆ High performance samarium cobalt magnet.
- ◆ High accuracy, lightweight, compact high reliability and superior durability.
- ◆ The life of the carbon brushes is about three times greater than conventional motors.
- ◆ Major reduction of RF noise.
- ◆ Provides extremely quiet operation from low to high speed and stepless speed adjustment.



High Speed Motor *Emax*

Excellent combination of high speed, lightweight, small diameter and high torque. This lightweight and compact general-use type is perfect for precision work.

1,000 ~ 35,000 min⁻¹



Technical Data

Max. Torque: 4.1 cN · m (420 gf · m)
 Weight: 109 g (w/o Cord)
 Output Power: 71 W
 Standard Accessories: Coiled Cord: 1.5 m

Cat No: 8003
Model: NK-351
Code: 340227

Torque Type *Emax*

Combines the best of both high speed and high torque. It is perfect for applications requiring large burs.

1,000 ~ 27,000 min⁻¹



Technical Data

Max. Torque: 4.6 cN · m (470 gf · m)
 Weight: 146 g (w/o Cord)
 Output Power: 72 W
 Standard Accessories: Coiled Cord: 1.5 m

Cat No: 8012
Model: NK-261
Code: 340228

Super Torque Type *Emax*

High power type combines medium speed and super high torque. Perfect for use with 6mm shank or large diameter burs. Also perfect for low speed cutting, grinding, and drilling.

1,000 ~ 13,000 min⁻¹



Technical Data

Max. Torque: 9.8 cN · m (1,000 gf · m)
 Weight: 201 g (w/o Cord)
 Output Power: 52 W
 Standard Accessories: Coiled Cord: 1.5 m

Cat No: 8022
Model: NK-151
Code: 340229

NSK Electer - E-MAX

System Chart

Attachment

Lever Type

1005 IH-300 340271

Ring Type

1008 IR-300 -

6mm Type (*1)

1016 HG-200 340242

Slim Ring Type

1007 SR-300 -

Long Type

1017 BMH-300 340245

Long Type (Very Thin)

1011 MH-300 340246
15,000 min⁻¹ Max. (*2)

90° Mini Angle Type

1012 MFC-300S 340247
15,000 min⁻¹ Max. (*2)

90° Mini Angle Type (Very Small Head)

1013 MFC-300M 340248
15,000 min⁻¹ Max. (*2)

90° Angle Type

1006 IC-300 340272
20,000 min⁻¹ Max. (*2)

45° Angle Type

1014 KC-300 340273
20,000 min⁻¹ Max. (*2)

Luster (Reciprocating motion)

1302 LS-100 340251
30,000 min⁻¹ Max. (*2)

Mini Luster (Reciprocating motion)

1307 ML-8 340252
1308 ML-4 340253
1309 ML-2 340254

Swing Luster (Right to left motion)

1380 SLS-16 -

Hammer Action Type

8060 HA-500 -
20,000 min⁻¹ Max. (*2)

Pen Luster (Reciprocating motion)

1303 K-042 340255
20,000 min⁻¹ Max. (*2)

Fine Belt Sander

1065 KBS-100 340256



1454 NLS-100 340230
30,000 min⁻¹ Max. (*2)

CAT NO. MODEL CODE

Speed Reducer Extension Joint

Extension Joint

1015 CN-01 340260

1/4 Speed Reducer

1009 RG-01 340258

1/15 Speed Reducer

1010 RG-02 340259

May be connected between the motor and the attachment as the need.

Motor

Standard Type Motor with Coiled Cord

8003 NK-351 340227

Torque Type Motor with Coiled Cord

8012 NK-261 340228

Super Torque Type Motor with Coiled Cord

8022 NK-151 340229



Electer *Emax* Standard Set

9984 (230V) EL351-1H 340225

Set contents

Lever standard E-max (NK351-IH) : 1 pc.
Collet Chuck ø 2.35 mm
Control Unit (NE129) : 1 pc.
Handpiece Holder : 1 pc.,
Handpiece Stand : 1 pc.



Electer *Emax* Control Unit

9981 (120V) NE129 340224
9982 (230V) 340226

*1 : Don't use 6 mm Torque Attachment (HG-200) with NK-351, NK-350.

*2 : Maximum Allowable Speed, intermittent use.

NSK Espert 500 Torque System

An ultra precision power hand system which features a Espert 500 Torque brushless motor.

ESPERT 500 Torque System Features.

- ◆ Powerful brushless motor 1,000 - 50,000rpm and 200W output.
- ◆ Digital speed indicator.
- ◆ Stepless variable speed control.
- ◆ Hand or foot control switches.
- ◆ Can be used with Electer attachments with an adaptor.



NSK ESPERT 500 TORQUE SET		
Description	Model	Code
Control Unit (NE96) Compact Motor Handpiece. (ENK50T-HR) Collet Chuck ø3.0 (CHH-3.0), ø2.35(CHH-2.35) 1pc.each. Attachment Holder 1pc. Attachment Stand 1pc. Spanner (7x5.1) 1pc. Pin Spanner 1pc. L-Spanner (9) 1pc.	ES50T-HR	340002



ESPERT 500 TORQUE MOTOR		
Description	Model	Code
The brushless DC motor with a power output of 200 watts - low noise - long life - highly efficient - high torque - quick response.	ENK 500T	340007



STANDARD ATTACHMENT		
Description	Model	Code
Straight handpiece supplied with collets 3mm ø and 2.35mm ø - screwing connection - simple ring lock tool change. (Other collet sizes available).	EHR-500	340008



RIGHT ANGLE ATTACHMENT		
Description	Model	Code
90° Angle attachment supplied with 3mm ø collet and spanner. (Other collet sizes available). Speed reduction ratio 1/1.5.	ERA 270	340009

System Chart

CAT NO. MODEL CODE

Attachment

Ring Type

9090 EHR-500 340008
50,000 min⁻¹ Max. (*1) 40,000 min⁻¹ Max. (*2)

Lever Type

1515 EHL-401 -
50,000 min⁻¹ Max. (*1) 40,000 min⁻¹ Max. (*2)

*6 mm Torque Type

1552 EHG-400 340006
40,000 min⁻¹ Max. (*1) 30,000 min⁻¹ Max. (*2)

90° Angle Type

1525 EIC-300 340014
40,000 min⁻¹ Max. (*1) 20,000 min⁻¹ Max. (*2)

45° Angle Type

1526 EKC-300 340011
40,000 min⁻¹ Max. (*1) 20,000 min⁻¹ Max. (*2)

90° Angle Torque Type

1551 ERA-270 340009
40,000 min⁻¹ Max. (*1) 20,000 min⁻¹ Max. (*2)

Luster Reciprocating Polisher

1516 ELS-100 340010
40,000 min⁻¹ Max. (*1) 30,000 min⁻¹ Max. (*2)

Mini Luster Reciprocating Polisher

1554 EML-8 340012
1555 EML-4 -
1556 EML-2 -
40,000 min⁻¹ Max. (*1) 30,000 min⁻¹ Max. (*2)

Fine Belt Sander

1557 EBS-100 340021
40,000 min⁻¹ Max. (*1)

Spindle

1520 ENR-302 -
20,000 min⁻¹ Max. (*1)

Auto Tool Change Spindle

1558 ENR-420 ATC -
30,000 min⁻¹ Max. (*1)

Speed Reducer

1/4 Speed Reducer

1553 ERG-01B 340016
40,000 min⁻¹ Max. (*1) 30,000 min⁻¹ Max. (*2)

*Connects between the motor and attachment

Motor

Compact Motor and Cord

9088 ENK-500C 340005

Torque Motor and Cord

9089 ENK-500T 340007

Control Unit

Esper 500

9885 (120V) NE96 340013
9886 (230V) 339990

*1 Maximum Allowable Speed, intermittent use.

*2 Maximum Allowable Speed, continuous use.



Technical Data

Speed Range : 1,000~50,000 min⁻¹
Weight : 115 g excluding cord
Output Power : 140 W
Maximum Torque : 6.0 cN·m
Cord Length : 1.5 m

Description: Compact Type Motor

Cat No: 9088

Model: ENK-500C

Code: 340005



Technical Data

Speed Range : 1,000~50,000 min⁻¹
Weight : 160 g excluding cord
Output Power : 200 W
Maximum Torque : 8.7 cN·m
Cord Length : 1.5 m

Description: Torque Type Motor

Cat No: 9089

Model: ENK-500T

Code: 340007

SHEENUS Ultrasonic Polisher

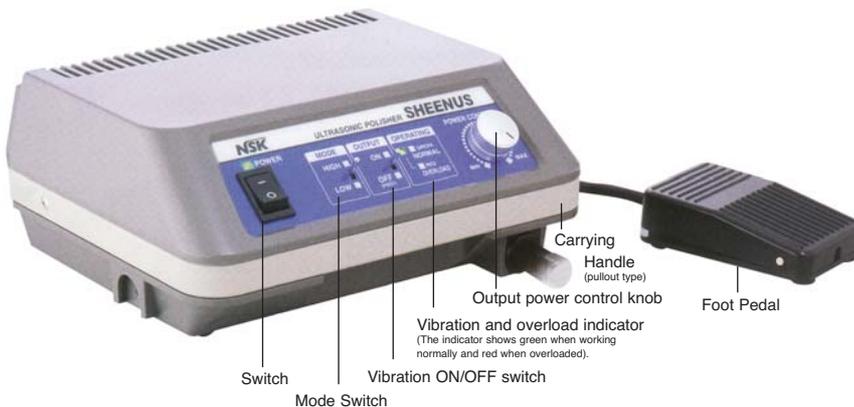
The ideal tool for precision die polishing and burr removal

- ◆ SHEENUS can be used for grinding, polishing and mirror finishing on a wide range of material from aluminum dies to cemented carbide dies. It is also perfect for plastic molds, press, casting, forging, trimming and header dies.
- ◆ This tool quickly removes hard layer of EDM deposits and polishes difficult areas such as complex corners and ribs.
- ◆ Capabilities include burr removal, grinding and polishing of precision molds, dies electronic and ceramic components.



Control Unit

- ◆ With a maximum output of 45W, this tool has the power to quickly finish any job.
- ◆ Its frequency homing system provides constant output power regardless of the tool being used or the pressure applied.
- ◆ The LED indicator on the panel shows status.
- ◆ High and Low power can be selected.
- ◆ An amplitude-limiting circuit keeps output constant even when high pressure is applied to the tool.



Technical Data

Oscillation frequency: 24kHz (centre frequency)
 Frequency Control: Homing type
 Output Power:
 High Mode: Max. 45W
 Low Mode: Max. 20W
 Power Conditioning: Continuous variable type
 Input power source: AC 120/230V 50-60Hz
 Power Consumption: 100VA
 Dimension: W225 x D195 x H97mm
 Weight: 1.7kg

Handpiece



Technical Data

Oscillator: PZT piezoelectric type
 Attachment fixing: M6 screw
 Cable length: 2m
 Dimension: ϕ 16 (Max. ϕ 28) x L 134mm
 Weight: 140g (excluding cable)

NSK SHEENUS			
Product	Description	Cat No.	Model
	Control Unit	8102	NE124
	Handpiece	8101	US-24PB
	Foot pedal (ON/OFF switch only)	8103	FC-24
	Handpiece stand	8104	Z095201

Please specify code when ordering

NSK Impulse System

A high torque air motor system which is compact and lightweight. The airline control unit can be wall mounted.

NSK Impulse Series Air Motors features.

- ◆ The twist free mechanism prevents hose twisting.
- ◆ Various angle heads for multiple applications.
- ◆ Outstanding durability.
- ◆ Quiet and smooth running.



NSK IMPULSE AIR LINE KIT		
Description	Model	Code
Compact unit. Hose Joint for Piping. On/off Airline valve. Pressure Regulator, Pressure Gauge, Air Filter Check Window. Lubrication Reservoir and adjustable lube metering. Handle. Unit suitable for wallmounting.	AL 807	340425



NSK IMPULSE SYSTEM NSP601		
Description	Model	Code
Speed: 60,000rpm. Weight: 165g. Air Consumption: 160NL/min. Drive Air Pressure: 4-6kg/cm ² . Hose Length: 1.5m. Supplied with 3.0mm ϕ collet. (Other collet sizes available)	NSP601	340417



NSK IMPULSE SYSTEM NA45-400		
Description	Model	Code
45° Angle Head. Speed: 40,000rpm. Weight: 210g. Air Consumption: 160NL/min. Drive Air Pressure: 4-6kg/cm ² . Hose Length: 1.5m. Supplied with 3.0mm ϕ collet. (Other collet sizes available)	NA45-400	340418



NSK IMPULSE SYSTEM NA90-230		
Description	Model	Code
90° Angle Head. Speed: 23,000rpm. Weight: 190g. Air Consumption: 160NL/min. Drive Air Pressure: 4-6kg/cm ² . Hose Length: 1.5m. Supplied with Grind Stone, collet 3.0mm ϕ and accessories.	NA90-230	340420



NSK IMPULSE SYSTEM NA45-230		
Description	Model	Code
45° Angle Head. Speed: 23,000rpm. Weight: 190g. Air Consumption: 160NL/min. Drive Air Pressure: 4-6kg/cm ² . Hose Length: 1.5m. Supplied with Grind Stone, collet 3.0mm ϕ and accessories.	NA45-230	340419

DIPROFIL Powered Hand Tools

The Original Diprofil Reciprocating Filing Machine and Diprofil Rotary Handpiece are designed for precision surface finishing operations. A wide range of tools and accessories have been developed to facilitate filing, lapping, honing, smoothing and polishing. Diprofil Powered Hand Tools are in use worldwide by Precision Engineers, Toolmakers, Mouldmakers and Die-Sinkers.

Features

- ◆ Interchangeable tool holders. ◆ Rugged construction. ◆ Wide range of Diprofil tools available.
- ◆ Proven reliability.



ORIGINAL DIPROFIL FILING MACHINE		
Description	Model	Code
The original Diprofil Filing Machine is available for connection to the KFD and GFD flexible drive systems. The machines can be supplied with standard 3.5mm ϕ or heavy duty 6.5 ϕ tool holders. An ergonomic rubber sleeve reduces vibration.	FPB/R	331017
	FPK/R	331018

Technical Data

Tool holder: Max. 3.5mm ϕ (FPB/R) or 6.5 mm ϕ (FPK/R)
 Stroke length: 0 - 6 mm
 Speed: Max. 10.000 rpm
 Weight: 0.6 kg



AIR DRIVEN DIPROFIL FILING MACHINE		
Description	Model	Code
The Air Driven Diprofil Filing Machine, FPD,FPL, is based on the original Diprofil Filing Machine driven by a specially developed 18-cylinder radial piston type air motor with integrated speed regulator. The machine is available with the same tool holders as described above.	FPD/R	331006
	FPL/R	331008

Technical Data

Tool holder: Max. 3.5mm ϕ (FPD) or 6.5mm ϕ (FPL).
 Stroke length: 0 - 6mm.
 Speed: Approx. 3,000 - 10,000rpm.
 Weight: 0.8 kg.

NEW



DI-PRO – LOW VIBRATING POLISHING/FILING MACHINE		
Description	Model	Code
To achieve as low vibration levels as possible, the machine has been optimised for tools within a certain weight-span. This is based on Diprofil's long experience in tools normally used with this type of machine and keeping within this weight-span gives optimal efficiency in relation to the vibration levels.	DI PRO FXB Integrated Micromotor	332030
	DI PRO FXPEJ Integrated Micromotor Eneska 3-1 Connection	332031
	DI PRO FXD Integrated Airmotor	332032
	DI PRO FXB For Flexible Shaft Slip Joint	332033

Technical Data

Tool holder: ϕ 3.5
 Speed: max 10,000rpm.
 Stroke length: 0 - 6mm.
 Weight: approx 0.9 kg.

DIPROFIL Filing Machine with Micromotor

The Reciprocating and Rotary Handpieces are available with powerful micromotors. This allows more flexibility and control. The DPU/2 power unit compensates for speed drop when loaded and a convenient Foot Switch stop/start is available.



DIPROFIL RECIPROCATING HANDPIECE		
Description	Model	Code
The Original Diprofil Filing Machine with Micromotor. The machines can be supplied with two different tool holders: Standard 3.5mm \varnothing (FPP) or heavy duty 6.5mm \varnothing (FPM). For better comfort, each model is supplied with an ergonomic rubber sleeve. If required, all models have the possibility of air cooling through a thin air tube, connected to a nipple on the machine housing.	FPP/R	331023
	FPM/R	331011

Technical Data

Tool holder: Max. 3.5mm \varnothing (FPP) or 6.5mm \varnothing (FPM).
 Stroke length: 0 - 6mm.
 Speed: Approx. 1,000 - 9,000rpm.
 Weight: 0.8kg.



DIPROFIL ROTARY HANDPIECE (HPN)		
Description	Model	Code
The micromotor-driven Diprofil Rotary Handpiece, HPN, is suitable for a wide variety of applications, especially for high torque work.	HPN	331015

Technical Data

Speed: Approx. 3,000 - 22,000 rpm.
 Collets: 3 - 3.5mm \varnothing and 5.5 - 6.5mm \varnothing .



DIPROFIL POWER UNIT (DPU/2)		
Description	Model	Code
The Diprofil Power Unit (DPU/2) is designed to give maximum performance to the Diprofil micromotor machines. An electronic feedback system compensates for speed drop when loaded. The Diprofil Power Unit is also adaptable to other micromotors and has dual outputs.	DPU/2	331012

Technical Data

Input: AC 115/230V.
 Output: DC 0 - 32V. 3 amp.
 Weight: 2.8kg.
 Size: W151 x D171 x H77mm.



DIPROFIL FOOT SWITCH (DPU/2-C)		
Description	Model	Code
The Diprofil Switch (DPU/2-C) is connected to DPU/2 for convenient start/stop and variable function.	DPU/2-C	331507

KEMWELDER III a smaller light duty welding machine.

Technical Data

Welding Apparatus

Electrical supply: 230V \pm 5% 50Hz \pm 1%.
 Output voltage: 0-10V.
 Max Power
 Consumption: 800W
 Max Output Current: 2500 amp.

The New Control Unit is upgraded as follows:

Welding Current	Cycle Time	Frequency
Up to 1,500A	100ms	10.0Hz
Up to 1,800A	200ms	5.0Hz
Up to 2,200A	250ms	4.0Hz
Up to 2,500A	400ms	2.5Hz

Cycle Time Range: 0.1 - 1.0 seconds.
 Protection against overload.
 Air cooling by automatic fan.
 Bayonet cable connectors.

Continuous Sound

Pressure level: < 70 dB (A)

Dimensions: 365mm (length), 180mm (width), 280mm (height).

Weight: 21.7kg.



Materials to be worked with

Sheet Metal Strips: 0.3mm
 Wires: 0.6mm
 Powders: -

KEMWELDER CONSUMABLES

Consumables			Code
Metallic Strip: Rigor	5mm x 0.2mm x 1000mm.		339014
	HPM-31 5mm x 0.2mm x 1000mm.		339015
	HPAX-1 5mm x 0.1mm x 1000mm.		339007
	HPAX-1 5mm x 0.2mm x 1000mm.		339004
	HPAX-2 5mm x 0.1mm x 1000mm.		339003
	HPAX-2 5mm x 0.2mm x 1000mm.		339013
Metallic Powder:	HAP-40 40g.		339011
	NAK-80 40g.		339009
	Z-943 40g.		339008
Paste:	NAK-80 40g.		339032
	Z-943 40g.		339033
Electrodes:	Copper Alloy 2mm dia x 25mm.		ES01-2025Cu
	Copper Alloy 3mm dia x 25mm.		ES01-3025Cu
	Copper Alloy 4mm dia x 25mm.		ES01-4025Cu
	Copper Alloy 2 x 4 x 25mm.		ES01-2425Cu
	Magnetic. 3mm dia x 25mm.		ES01-3025M
	Magnetic. 4mm dia x 25mm.		ES01-4025M

KEMWELDER III

Machine Contents	Code
Foot Switch. Electrode Holder plus cable. Copper Earth Plate plus cable. Copper Alloy Electrodes (2mm dia, 3mm dia, 4mm dia). Magnetic Electrode (4mm dia). Copper Alloy Electrode Blade Type (2x4mm). Welding Strip (0.1 x 20mm, 0.2 x 20mm). Stainless Wire (0.6mm). 50g Magnetic Powder. Hardness Testing Kit. Spanner, Safety Glasses, Safety Gloves. Toolbox.	

SPARES & ACCESSORIES

Contents	Code
Hardness Testing Kit.	339027
Foot Switch.	FS01-200
Electrode Holder.	EH01-000
Electrode Holder Cable.	NK01-250
Earth Plate and Cable.	EK01-100
Extension Cable.	VK01-100

Bench Mounted Precision Diamond Flat Lapping & Polishing Machines

The Kemet 15 is a bench mounted Lapping Machine of rigid metal construction with a Work Table, adjustable for height. It incorporates a digital Process Timer and a fully automatic liquid Diamond Dispensing System.

Features

- ◆ Produces optically flat surfaces with high precision surface finish.
- ◆ Reduces lapping costs - fully controllable Kemet Electronic Dispensing System accurately meters diamond abrasive onto the lapping plate.
- ◆ Reduces waste - only small quantities of diamond abrasive and non-toxic fluids are used.
- ◆ Built in Abrasive System for conditioning Kemet plates.
- ◆ Electrical System complies with EN 60 204.

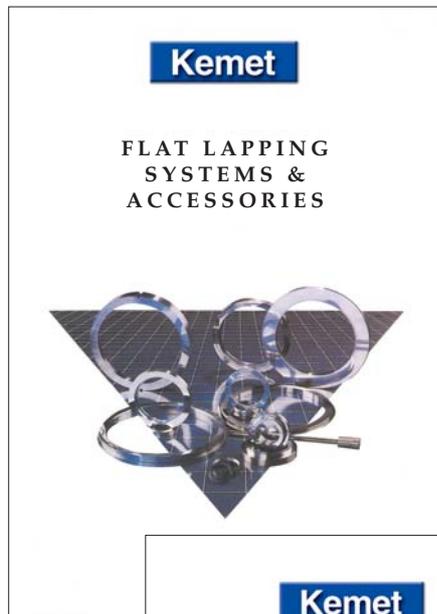
Technical Data

Height:	700mm.
Working Height:	310mm.
Width:	750mm.
Depth:	600mm.
Nett Weight:	100kg.
Lapping Plate Diameter:	380mm.
No of conditioning rings:	3.
Inside Diameter of Conditioning rings	140mm.
Main Motor:	0.37kW.
Abrasive Pump Motor:	0.06kW.
Air requirements:	1 Bar min. 5 Bar max.
Electronic Dispensing Equipment:	Standard.
Digital Tachometer:	N/A.
Hand Weights:	3kg standard.
Lift Off disc Assembly:	Optional.
Shoulder Lapping Conversion:	Optional.
Fibre Optic Polishing Conversion:	Optional.
Metallurgical Polishing Conversion:	Optional.
Electrical Supply:	3 Phase.
Special Voltages are available on request.	415v 50Hz 380v 50Hz.

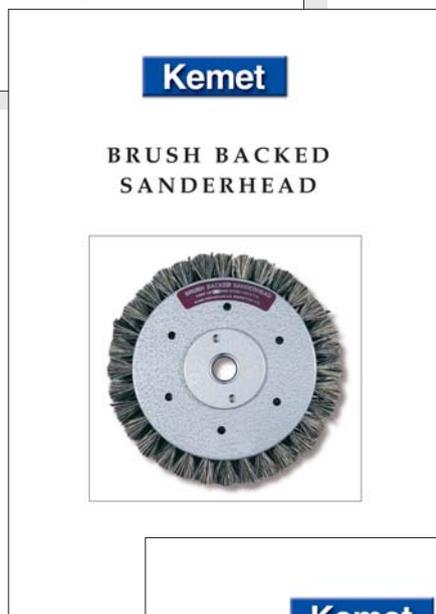


KEMET 15	
Machine Contents	Code
Automatic diamond dispensing system. Conventional abrasive pump. Kemet Lapping/Polishing Plate. 3 Serrated cast iron conditioning rings. Pressure hand weight set. Instruction manual. Initial supply of consumables.	360105

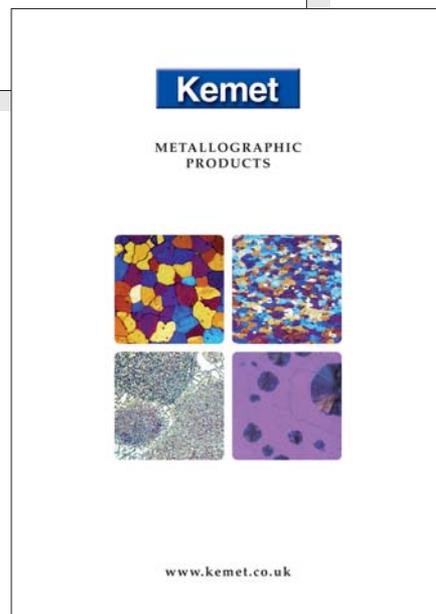
Other Kemet catalogues available upon request



**FLAT LAPPING
SYSTEMS &
ACCESSORIES**



**COATED ABRASIVES
& ACCESSORIES**



**METALLOGRAPHIC
CONSUMABLES**

**TRAINING COURSES ARE
AVAILABLE FOR ALL
KEMET PRECISION PROCESSES**

Kemet

the world over

Kemet International Ltd. Subsidiary Companies



◆ **Netherlands**

Kemet Europe B.V.

◆ **Belgium Luxembourg**

Kemet Europe B.V.B.A.

◆ **Singapore**

Kemet Far East Pte Ltd

◆ **Malaysia**

Kemet Precision (M) SDN BHD

◆ **Japan**

Kemet Japan Co Ltd

◆ **Australia**

Kemet Australia Pty Ltd

**Kemet Products are available through a Worldwide
Network of Authorised Distributors in**

**Europe
Asia**

**Africa
U.S.A.**

**Middle East
Australasia**

Kemet

KEMET INTERNATIONAL LTD

Cuxton Road, Parkwood Trading Estate
Maidstone, Kent ME15 9NJ, United Kingdom.

Tel: +44 (0) 1622 755287 Fax: +44 (0) 1622 670915
E-mail: sales@kemet.co.uk Website: www.kemet.co.uk