

PLASSTEZE

- ◆ Lapping & Polishing Machines
- ◆ Lapping & Polishing Consumables



Seamless Polishing Solutions
Ensuring Excellent Metallic Finish...

A company on the move.....

Polishing is an art more than science. It's just not "rubbing on the surface with a box of rocks". It is a carefully arranged series of applied skills that result in a polished surface. Polishing helps in better aesthetic and superior end product finishing, easy release of components, facilitate flow of plastic, shorten injection time and prolong tool life. In many cases, it constitutes 20-30% of the cost of manufacturing a mould. Polishing is a very important step in mould building sequence which, if not taken seriously, can end up taking huge time and destroying the work of your best of Designers, Machinists and Die-Fitters.

Polishing is a profession that must be learned and practiced in order to achieve the desired results in the shortest time possible for which you need good equipment, polishing supplies and experienced hand.

PLASSTEZE offers top of the line, quality polishing equipment, tools and abrasives, imported from different parts of world. Representing some of the world renowned companies we offer right mix of price and quality. Established with an objective to provide world-class products, we are today recognized for our high quality, State-of-the-art products and prompt services.



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Ultrasonic Polishing



Manual polishing is a tedious process. In particular small, intricate, detail work requires additional effort and patience. Our Ultrasonic Polishing Machines effectively replace certain time-consuming and costly small, detailed hand finishing work.

Ultrasonic Applications & Advantages

Conventional die profilers, as well as air-powered lapping machines may have a stroke length of up to 6~7 mm, the reciprocating action of an ultrasonic unit ranges only from 5~30microns. However, the extremely fast reciprocating tool motion of 21,000 to 28,000 strokes per second provides the extra productivity and gives the polisher complete fingertip control when finishing even the most intricate ribs, slots and details. An experienced individual, when working with an ultrasonic polishing machine on very small details, may reduce finishing time by as much as 40 to 65 percent. Ultrasonic units with super fast, very short strokes, provide virtual unrestricted finger tip control. The harder the materials are which require finishing, the more likely it is that an ultrasonic unit will improve polishing time. Subsequently, complicated heat-treated moulds and dies, carbide dies or inserts and detailed punches with fine edges and very narrow slots machined by EDM are perfect for using ultrasonic polishing systems. It is ideal and justifiable when work on small to very small details is required. Other applications are ribs, slits, tapered or different shaped holes and other areas that are hard to polish or finish by hand.

Ultrasonic Polishing

Ultra II Dual function polishing machine which performs Ultrasonic Polishing & EDM Erosion

During ultrasonic polishing, the vibration movement reciprocates upto 28,000 times per second.

During EDM erosion, the machine discharges high frequency electric spark to remove excessive material at adjustable speed.

ULTRA II works much faster than manual polishing, it can polish deep and narrow area where manual polishing cannot reach. Its EDM erosion function offers an economical and fast method to polish extra-hard alloys and carbide. ULTRA II performs both these operations at exceptionally low sound level and is a very compact work horse.



Features of Ultra II:

- Able to adjust the EDM gap automatically to obtain maximum output
- Controlled power output and stored current consume little power
- Fine EDM process, suitable for intricate mould
- Nine step digital Ultrasonic power control
- Nine step digital EDM power control
- Ultrasonic vibration auto tracking

Applicable Material: Steel, Carbide, Glass, Precious Stones

Output: 60W, 19-28 KHz, 9-stage output selection

Input: Single Phase 220V \pm 10%, 50 Hz

EDM fluid: Kerosene/Water/EDM oil

Dimensions: 230mmx130mmx78mm

Weight: 3 Kg approx



Ultrasonic + Micro Motor Combo



Straight Rotary Handpiece



Ultrasonic Handpiece



MOTOSONIC V1.1 Ultrasonic & Micromotor Combo

- One Controller with two polishing operations
- Safety circuit to preclude the probability of over-heating or overloading.
- Possible to use in clockwise and counter clockwise direction for micro-motor handpiece.
- A compact & light weighted handpiece ergonomically designed to enhance the operational efficiency.
- Two ports to keep two Micromotor handpiece connected, helps quickly switching the polishing operation.
- Applications include the finishing of plastic moulds, diecasting dies, ceramic, nonferrous and precious metal. Ideal for deburring, polishing and removing EDM grains and machining marks.

Technical Specifications

Input	: AC220V 50/60Hz 30VA	Stroke	: 45μ
Output	: Ultrasonic AC6~60V, 0.5A	Dimensions	: Controller W94 x H130 x D283mm
	: DC 3 30V, 0.5A		: Rotary H/P: 30x155mm, Ultrasonic H/P: 30x155mm
Frequency	: 22.6 Hz	Weight	: Controller 4.5 KG
			: Rotary Handpiece: 265 gm, U/S Handpiece: 200gm

The standard package includes:

* Hybrid Controller	* Spanner	* Spare Fuse	* Ceramic Stones – 2 pcs
* Ultrasonic handpiece.	* Clamp.	* Spare Screw	* Abrasive Mounted Points – 10 pcs
* Straight Rotary Handpiece	* Allen key.	* Collets – 2 pcs	* Rubberised Mounted Points – 5 pcs
* Power Cable	* Diamond File – 3 Pcs		

Refer to Page 4 for additional Handpiece options

UltraSonic + Micro Motor Combo



UC 550 HYBRID CONTROLLER



US55 Ultrasonic Handplace with accessories set

- One Controller with two polishing operations
- Automatic feed system is incorporated to adjust the frequency depending on the tool being used.
- 4 stage safety circuit are built in to preclude the probability of over-heating or overloading in both controller and handpiece.
- Possible to use in clockwise and counter clockwise direction for micro-motor handpiece.
- A compact-sized & light weight handpiece ergonomically designed to enhance the operational efficiency.
- Applications include the finishing of plastic moulds, diecasting dies, ceramic, nonferrous and precious metal. Ideal for deburring, polishing and removing EDM scales

Technical Specification	
Input	AC230V 50/60Hz 30VA
Output	Ultrasonic AC6 ~ 60V, 0.3A, DC 3 ~ 30V, 0.3A
Frequency	22.6 k Hz
Stroke	45μm
Dimensions	Controller W170 X H110 X D195mm Handpiece Φ29mm x 139mm
Weight	Controller 2.6 KG Handpiece 180 gms w/o cord



UM23



UM21



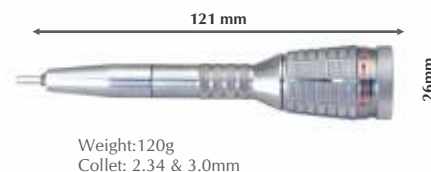
UT01 STANDARD HEAD



UT03 POWER ROTARY HEAD



UT11 LONG STENDER HEAD



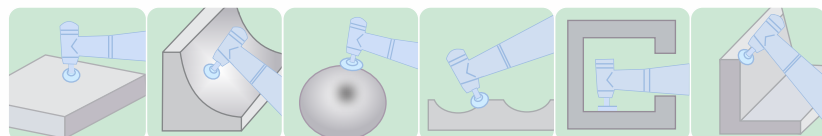
UT06 POWER ANGLE HEAD 90



UT07 POWER ANGLE HEAD 120



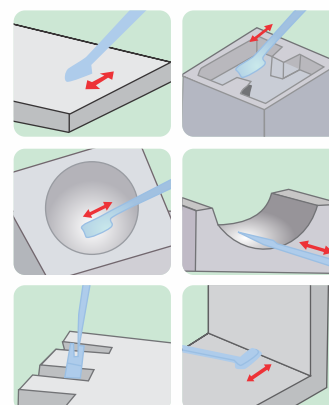
RE 35 - RECIPROCATING HANDPIECE



UA12A/UA13A - ONE PIECE HEAVY DUTY HANDPIECE



	UA12A	UA13A
Speed	2000 ~ 20000 rpm	3500 ~ 35000rpm
Max. Torque	6.5 Ncm	5.4 Ncm
Collet	2.34 & 3.0 mm	2.34 & 3.0 mm
Weight	175g w/o motor cord.	



Micro Motor Polishing Machines

Excellent for detailed finishing & polishing applications where vibration-less rotary tools are to be used for very precise work. Easy portability is another big advantage with these machines.

Handy 702 **Brush**

- Max speed : 45,000 rpm
- 4.5 Ncm Torque
- Digital speed display window
- Lowest noise, lowest vibration
- Excellent durability
- Self-diagnosis function
- Error code display
- Variable speed control pedal (FS60N)
- Vertical & easy-carry system
- Auto-cruise function



- Max speed : 40,000 rpm
- 4.5 Ncm



Multi 600 **Brushless**

- Max speed : 50,000 rpm
- 7.8 Ncm Torque
- Digital speed display window
- Lowest noise, lowest vibration
- Excellent durability
- Ceramic ball bearing
- Knee-control type
- Self-diagnosis function
- Error code display
- Auto-cruise function
- Variable speed control pedal (FS60N)
- 230W



- Max speed : 50,000 rpm
- 7.8Ncm

Flexible Shaft Polishing Machine

Outstanding Features

- Reversible Motor – rotates clockwise and anti clockwise.
- This feature is very helpful in intricate polishing applications.
- Excellent results are assured – thanks to its low noise & vibrations, smooth motion.
- Easy maintenance – inner liner of flexible shaft can be replaced in just one minute
- Variety of Hand pieces to suit individual's requirement and polishing applications.
- Powerful motor for heavy duty, tireless use
- Immediate availability of all spares and full range of world class polishing consumables to complement the range.

FPXHD5551 Flexible Power XHD

Technical Specifications

- Speed : 30000 RPM
- Rotation : Forward / Reverse
- Output : ½ HP
- Motor : 220V AC



SFSN01 Stand for Flexible Shaft Polishing Machine



FP301 Flexible Power

Technical Specifications

- Speed: 20000 RPM
- Rotation: Forward / Reverse
- Output: 1/4 HP
- Motor: 220V AC



FPHD551 Flexible Power HD

Technical Specifications

- Speed: 26000 RPM
- Rotation: Forward / Reverse
- Output: 1/3 HP
- Motor: 220V AC



Stand shown in above pictures is an optional accessory.

Polishing Machine

Flexible Shaft Polishing Machine Handpiece

- 26518 – Large Handpiece, w ¼” chuck (1 ~ 6 mm opening)



- 26517 - Right Angle Handpiece, w/2 collets (2.4 & 3.0mm)

- PL019 - 120° Angle Handpiece (Made in India)



- PL 013 Chamfer Handpiece**
- Maximum Chamfer: 3mm
 - Chamfer per pass: 1mm
 - Degree of Chamfer: 45°



Carbon Brushes



Grease



Coupler



Outer Sleeve



Inner Shaft

Spares	FP301/FPHD551	FPXHD5551
Coupler	PCFPHD551	-----
Outer Sleeve	OSFPHD551	OSFPHD5551
Inner Shaft	ISFPHD550	ISFPHD5551



- PL020 Tool Holder for Reciprocating Handpiece



- PL018 - Reciprocation Handpiece (Made in India)

Air Tools

UG-500/Silent type

- High-torque, quiet-running and well balanced.
- Ideal for precision grinding and finishing works.
- Replaceable collet chuck: $\varnothing 3.0\text{mm}$ is standard, $\varnothing 2.34$ as option
- Speed : 60,000 rpm
- Weight : 110 g
- Dimensions : $\varnothing 20 \times 160\text{L}$ (mm)



UG-400/Economic type

- Reliable quality and competitive price.
- Fixed type collet chuck: $\varnothing 3.0\text{mm}$.
- Speed : 60,000 rpm
- Weight : 130g
- Dimensions: $\varnothing 17 \times 159\text{L}$ (mm)



UG-300 Dual Collet type

- High torque, heavy-duty, general-purpose applicable for deburring, chamfering, milling and finishing the welded surfaces etc.
- Dual collet chuck: $\varnothing 3.0 / \varnothing 6.0\text{mm}$.
- Speed : 35,000 rpm
- Weight : 170g
- Dimensions : $\varnothing 22 \times 180\text{L}$ (mm)



GP-260 Precision Type

- High-torque, quiet-running and well balanced.
- Ideal for precision grinding and finishing works.
- Fixed type collet chuck: $\varnothing 3.0\text{mm}$.
- Speed : 60,000 rpm
- Weight : 180g
- Dimensions: $\varnothing 17.5 \times 142\text{L}$ (mm)



GP-380 Precision Type

- High-torque, quiet-running and well balanced.
- Ideal for precision grinding and finishing works.
- Fixed type collet chuck: $\varnothing 3.0\text{mm}$.
- Speed : 80,000 rpm
- Weight : 160g
- Dimensions: $\varnothing 20.3 \times 143\text{L}$ (mm)



PLA-590 Econ Type

- * High Torque, general purpose applicable for deburring, chamfering, milling, and finishing the welded surface
- * Speed: 50000 RPM
- * Weight: 110 gms
- * Dual collet chuck D3mm & D2.4mm
- * Dimension : D19 mm x L150 mm
- * Rear air exhaust type



Air Pressure 6 bar max., use oil mist lubrication for long life of air tools

Air Tools

AG-45/Angle Surface Grinder

- 45 degree angle surface grinder.
- M7 screw Shaft for mounting abrasive cup wheels and abrasive paper disc.
- Ideal for surface grinding, chamfering, deburring and finishing welded surfaces etc.
- Speed : 23,500 rpm
- Weight : 180 g
- Dimensions : $\varnothing 17 \times 153L \times 50 H$ (mm)

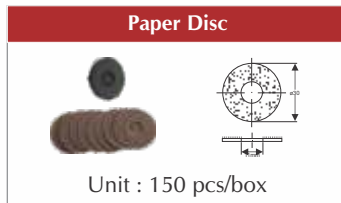


AG-90/Angle Surface Grinder

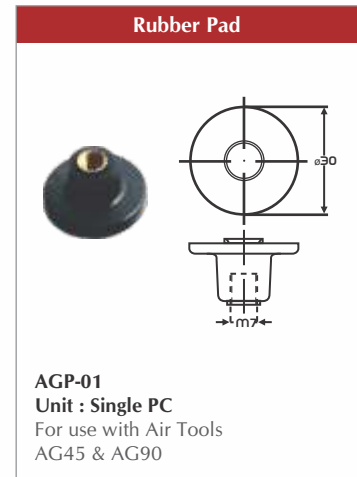
- 90 degree angle surface grinder.
- M7 screw Shaft for mounting abrasive cup wheels and abrasive paper disc.
- Ideal for surface grinding, chamfering, deburring and finishing welded surfaces etc.
- Speed : 23,500 rpm
- Weight : 170 g
- Dimensions : $\varnothing 17 \times 140L \times 39H$ (mm)



Grit #	Part #
60	AGC01G60
100	AGC01G100
150	AGC01G150



Grit #	Part #
60	AGS01G60
100	AGS01G100
150	AGS01G150
240	AGS01G240
320	AGS01G320
400	AGS01G400



MAG-121N/Silent type

- 135 degree high speed angle grinder.
- Speed : 52,500 rpm
- Weight : 140 g
- Collet Chuck : 3mm



NAK-A90

- 90 degree high speed angle grinder
- Speed : 35,000 rpm
- Weight: 220 g
- Collet Chuck: 3 mm
- Length : 140mm

UTR-70 Turbo Air Lappers



- Driven by turbine air motor.
- Low noise, low vibration and durable tool life.
- UTR-70 suits general purpose polishing and finishing process of mold and die.
- Stroke : 0.7mm
- Speed : 28,000 spm.
- Weight : 220g
- Dimensions : $\varnothing 28 \times 200$ mm

UTR-30 Turbo Air Lappers

- Driven by turbine air motor.
- Low noise, low vibration and durable tool life.
- UTR-30 suits intricate area lapping
- Stroke : 0.3mm
- Speed : 30,000 spm.
- Weight : 220g
- Dimensions : $\varnothing 28 \times 200$ mm



PLA-70 Air Lapper



- Driven by turbine air motor.
- Low noise, low vibration and durable tool life.
- PLA 70 suits general purpose polishing and finishing process of mould and die.
- Stroke : 0.7mm
- Speed : 28,000 spm.
- Weight : 200g
- Dimensions : $\varnothing 29 \times L 210$ mm

Air Pressure 6 bar max., use oil mist lubrication for long life of air tools

Polishing Machine

Air Tools

US-200 Swing Air Lappers

- Side to side stroke.
- Bigger swing stroke suit for lapping bigger surface and excellent for deburring or chamfering works of die casting parts.
- Stroke : 2.0mm
- Speed : 16,000 spm.
- Weight : 520g
- Dimensions : ø34x205mm



High efficiency surface finishing solutions



DG32M Air Grinder

Speed	- 18000 RPM
Weight	- 682 gms
Collet	- 6 mm
Air Inlet	- ¼" BSP

Compatible abrasives:

Flap Wheels
Abrasive Mounted Points
Felt Bobs
Felt Flap Wheels



DG37 Air Sender 2"

Speed	- 15000 RPM
Weight	- 478 gms
Air Inlet	- ¼" BSP
Options	- 3" pad available on request

Compatible Abrasives:

2" Emery Disc (ALOX / ZIRCON)
2" Non Woven Disc
3" Discs available on request



Mold Spotting Compound

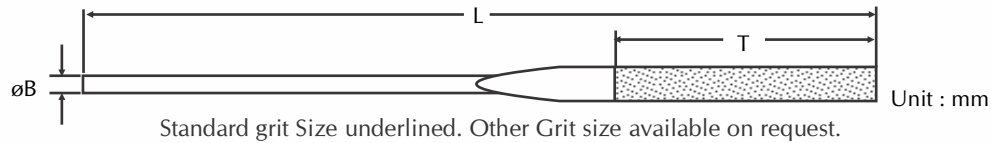


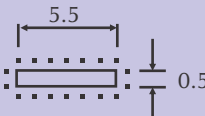
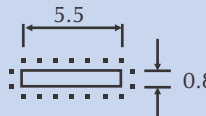
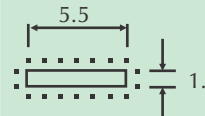
Order # : MSC1	Order # : MSC1L
Weight : 65 grams	Weight : 1.87 Kg
Size : Ø82 X 23 mm	Size : Ø145 X 108 mm

- Bright colour for easy identification
- Thin coating – does not give false spotting
- Applied easily by brush
- Easy to check matching of intricate profiles and very small sections

Air Pressure 6 bar max., use oil mist lubrication for long life of air tools

Diamond Needle Files

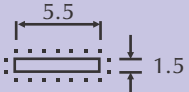
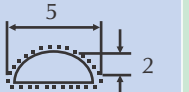



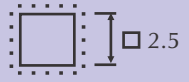

Order No.	PF-705	PF-708	PF-710
Cross section			

PF-70: 140L x 40 ~ 50T x Ø3.0B


Grit size : #150, #200, #400



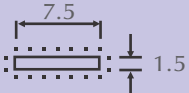
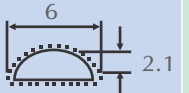

Order No.	PF-101	PF-102	PF-103
Cross section			

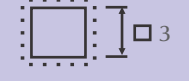

Order No.	PF-104	PF-105
Cross section		

PF-10 :
140L x 50T x Ø3.0B
Grit size : #120, #200, #400


 PF-100 : 5pcs, set



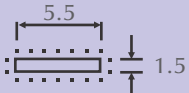
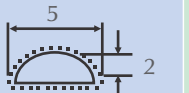

Order No.	PF-301	PF-302	PF-303
Cross section			

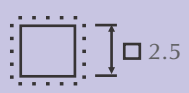

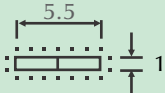
Order No.	PF-304	PF-305
Cross section		

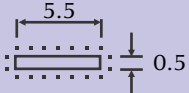
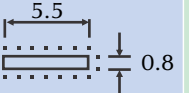

PF-30 :
180L x 60T x Ø3.4B
Grit size : #120, #200, #400

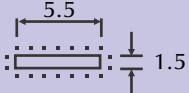
 PF-300 : 5pcs, set




Order No.	PFL-101	PFL-102	PFL-103
Cross section			

Order No.	PFL-104	PFL-105	PFL-106
Cross section			

Order No.	PFL-705	PFL-708	PFL-03
Cross section			


Order No.	PFL-01
Cross section	

PFL-10 :
180L x 25 ~ 50T x Ø3.0B
Grit size : #200, #150, #400

 PFL-100 : 10pcs, set / wooden case




Diamond Files

Order No.	PF-101L	PF-102L	PF-103L	PF-104L
Cross section				
Order No.	PF-105L	PF-106L	PF-107L	PF-108L
Cross section				
Order No.	PF-102L	PF-110L	PF-10L : 140L x 70T x Ø3.0B Grit size : #120, #200, #400  PF-10L : 10pcs, set	
Cross section				



Total length	Dia. length	Cross-section	Grit size	Order no.
130	30		#200 #400 #600	PTF-12F PTF-12V PTF-12X
130	30		#200 #400 #600	PTF-14F PTF-14V PTF-14X
130	30		#200 #400 #600	PTF-16F PTF-16V PTF-16X
140	50	Ø3	#600	PF-103X

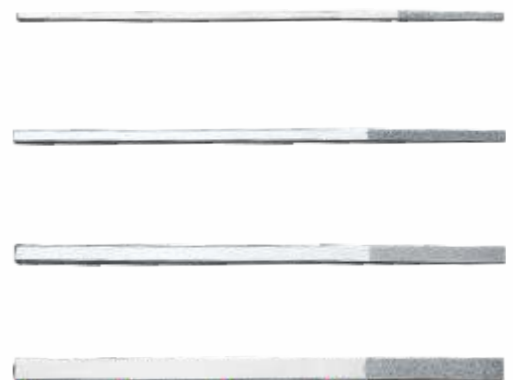



 PTF-100 : 10pcs, set 10 pcs. set in pvc pouch, contains one each of all above files

Diamond Hand Tapered Files

Total length	Dia. length	Cross-section	Grit size	Order no.
180	40		#150 #200 #400	CF-402J CF-402F CF-402V
180	50		#150 #200 #400	CF-404J CF-404F CF-404V
180	50		#150 #200 #400	CF-406J CF-406F CF-406V
180	50		#150 #200 #400	CF-408J CF-408F CF-408V

CF-40



 CF-400: 12pcs. Set/PVC pouch

CF-50 DIAMOND HAND TAPPER FILES

L	T	Cross-section	Grit	Order No.
180	70		#150 #200	CF-501
180	60		#150 #200	CF-502
180	60		#150 #200	CF-503
180	50		#150 #200	CF-504
180	50		#150 #200	CF-505



CF-500: 5pcs. Set/Wooden Case, Grit Size: #150, #200

Total length	Dia. length	Cross-section	Order no.
215	80		IF-501
215	80		IF-502
215	80		IF-503
215	80		IF-504
215	80		IF-505

IF-50, Grit size : #100



Diamond Bent File (Riflers)

Order No.	BF-901	BF-902	BF-903	BF-904	BF-905
Cross section					
Order No.	BF-906	BF-907	BF-908	BF-909	BF-910
Cross section					


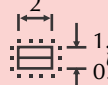

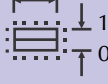

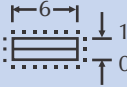


BF-900 : 10pcs, set BF-90 : 140L x 20T x Ø3.0B, Grit size : #150, #200, #400

Diamond Files

DIAMOND MACHINE FILES



MTP Series	L	T	Cross-section	Grit	Order No.
	70	25		#150 #200 #300 #400	MTP-12J MTP-12F MTP-12H MTP-12V
	70	25		#150 #200 #300 #400	MTP-14J MTP-14F MTP-14H MTP-14V
	70	25		#150 #200 #300 #400	MTP-16J MTP-16F MTP-16H MTP-16V

MTP-120 : 12pcs. set/pvc pouch



Order No.	MPF-101	MPF-102	MPF-103	MPF-104	MPF-109
Cross-section					

MPF-10 : 90L x 45T x Ø3.0B Grit size : #150, #200, #400

MPF-100 : 5pcs. set



MBF - 90

Total length : 65mm



Tool shank : ø3.0mm

Diamond coating length : 20 ~ 30mm etc.

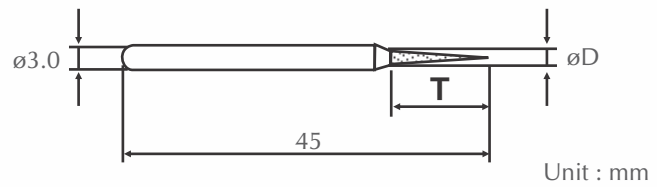


Order no.				
Shape & Size (mm)	#150	#200	#400	
1.	MBF-901	MBF-901F	MBF-901V	
2.	MBF-902	MBF-902F	MBF-902V	
3.	MBF-903	MBF-903F	MBF-903V	
4.	MBF-904	MBF-904F	MBF-904V	
5.	MBF-905	MBF-905F	MBF-905V	
6.	MBF-906	MBF-906F	MBF-906V	
7.	MBF-907	MBF-907F	MBF-907V	
8.	MBF-908	MBF-908F	MBF-908V	
9.	MBF-909	MBF-909F	MBF-909V	
10.	MBF-910	MBF-910F	MBF-910V	
10 pcs. set	MBF-900	MBF-900F	MBF-900V	

SINTERED DIAMOND FILES

	L	T	Cross-section	Grit	Order No.
	54	20		#200	MMF-615F

DIAMOND MOUNTED POINTS



Grit Size:

øD over ø6.0mm : #100, 2.0~5.0mm : #120, ø1.5mm & under : #150, Shank Dia : 3mm
Shank 2.4 & 6mm diameter available on request.

øD	ø1	ø1.5	ø2	ø2.5	ø3	ø3.5	ø4	ø5	ø6	ø1	ø1.5	ø2	ø2.5	ø3	ø3.5	ø4	ø5	ø6
T	8	8	8	8	10	10	10	10	10	8	8	8	8	10	10	10	10	10
No.	10A	15A	20A	25A	30A	35A	40A	50A	60A	10C	15C	20C	25C	30C	35C	40C	50C	60C

øD	ø2	ø3	ø3	ø1.2	ø1.5	ø1.5	ø2	ø3	ø2	ø3	ø4	ø5	ø6	ø2	ø3	ø4	ø5	ø6
T	10	10	10	16	13	10	12	14	12	15	15	15	13	10	12	10	10	12
No.	20T	30T	30V	13R	14R	15R	20R	30R	20P	30P	40P	50P	60P	20F	30F	40F	50F	60F

øD	ø3	ø4	ø5	ø5	ø6	ø1	ø1.5	ø2	ø2.5	ø3	ø4	ø5	ø6	ø8	ø2	ø3	ø4	ø3	ø4	ø5	ø6
T	14	10	10	13	13	-	-	-	-	-	-	-	-	-	4	6	7	5	7	9	10
No.	30J	40J	50J	51J	60J	10B	15B	20B	25B	30B	40B	50B	60B	80B	20S	30S	40S	30Q	40Q	50Q	60Q

ASSORTMENT SET

BMS-20 / 20pcs.set Contains one each of below:

BM-10A, 15A, 20A, 25A, 30A, 35A, 15C, 20C, 25C, 30C, 20P, 30P, 15R, 20R, 30R, 20B, 30B, 20F, 30F, 20T.

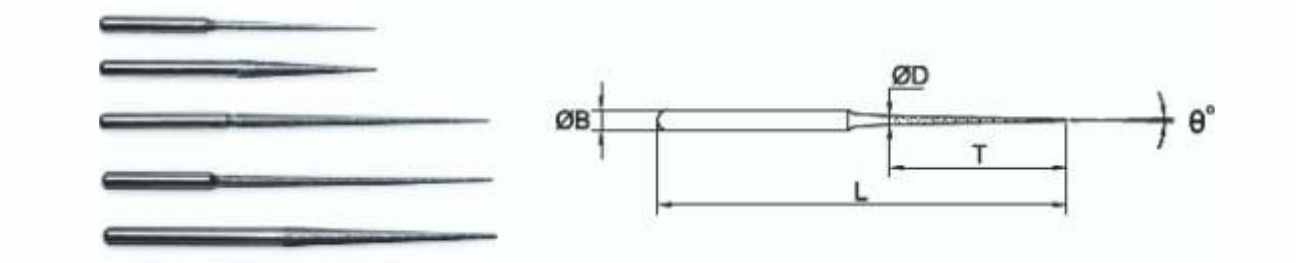









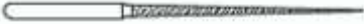
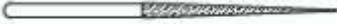






BMS-30 / 30pcs.set Contains one each of below:

BM-10A, 15A, 20A, 25A, 30A, 35A, 40A, 50A, 20B, 30B, 50B, 15C, 20C, 25C, 30C, 35C, 40C, 50C, 20P, 30P, 15R, 20R, 30R, 30S, 20F, 30F, 50F, 20T, 30T, 30V.

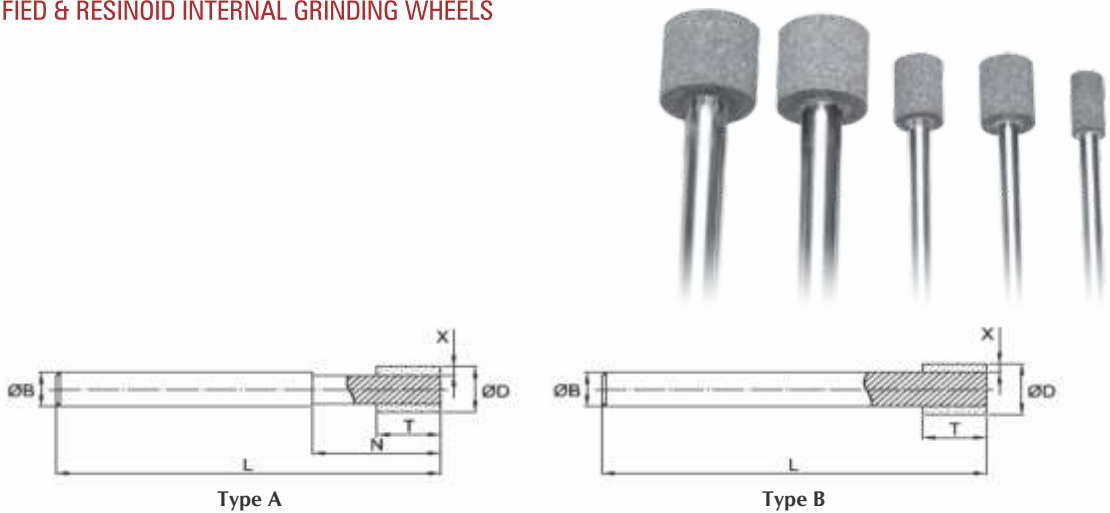


DIAMOND TAPER POINTS



Specification :							Unit : mm
	ØD	T	Ø°	ØB	L	Grit size	Order No.
	Ø1.8	25	3.1	Ø3.0	50	#150	18PL
	Ø2.1	34	2.8	Ø3.0	55	#150	21PXL
	Ø3.0	25	6.4	Ø3.0	60	#150	30PL
	Ø4.8	26	9.6	Ø3.0	55	#150	48PL
	Ø1.5	26	2.3	Ø3.0	55	#150	15PL
	Ø2.0	48	1.9	Ø3.0	70	#150	20PXL
	Ø2.3	40	2.7	Ø3.0	65	#150	23PXL
	Ø2.5	45	2.6	Ø3.0	70	#150	25PXL
	Ø3.0	38	4.2	Ø3.0	70	#150	30PXL
	Ø6.0	33	10	Ø6.0	60	#120	60P10
	Ø6.0	28	12	Ø6.0	60	#120	60P12
	Ø6.0	23	14	Ø6.0	60	#120	60P14
	Ø6.0	21	16	Ø6.0	60	#120	60P16
	Ø6.0	17	20	Ø6.0	60	#120	60P20
	Ø10.0	19	30	Ø6.0	60	#120	100P30

VITRIFIED & RESINOID INTERNAL GRINDING WHEELS



Vitrified CBN internal points are used for internal grinding and jig grinding of high speed steel and hardened alloy steel.
(Wet Grinding)

Specification :

Unit : mm

Order No.	Type	ØD	T	X	N	L	ØB	Grit size
VIB-3040	A	4.0	6	1.0	12	60	3	#200
VIB-3050	A	5.0	6	1.5	12	60	3	#200
VIB-3060	A	6.0	6	2.0	12	60	3	#200
VIB-3080	A	8.0	8	3.0	12	60	3	#200
VIB-6100	B	10.0	8	2.0		80	6	#200
VIB-6120	B	12.0	10	3.0		80	6	#200
VIB-8140	B	14.0	12	3.0		80	8	#200
VIB-6140	B	14.0	12	4.0		80	6	#200
VIB-8160	B	16.0	12	4.0		80	8	#200
VIB-6160	B	16.0	12	5.0		80	6	#200
VIB-8180	B	18.0	12	5.0		80	8	#200
VIB-6180	B	18.0	12	6.0		80	6	#200

Resinoid CBN internal points are used for internal grinding and jig grinding of high speed steel and hardened alloy steel.

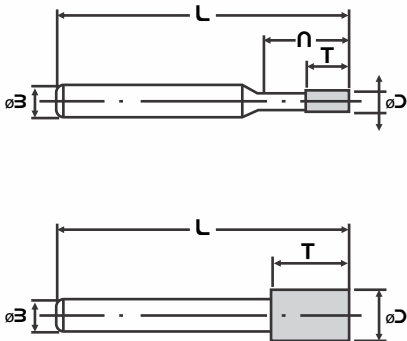
Specification :

Unit : mm

Order No.	Type	ØD	T	X	N	L	ØB	Grit size
RIB-3040	A	4.0	5	1.0	12	45	3	#200
RIB-3045	A	4.5	6	1.25	12	45	3	#200
RIB-3050	A	5.0	6	1.5	12	45	3	#200
RIB6060	A	6.0	6	2.0	12	80	3	#150
RIB-6070	A	7.0	8	2.5	15	80	6	#150
RIB-6080	A	8.0	8	3.0	15	80	6	#150
RIB-6100	A	10.0	10	2.0	20	80	8	#150
RIB-6120	B	12.0	10	3.0	20	80	6	#150
RIB-6140	B	14.0	10	4.0	-	80	6	#150
RIB-6160	B	16.0	10	4.0	-	80	6	#150
RIB-6180	B	18.0	10	5.0	-	80	6	#150
RIB-6200	B	20.0	10	6.0	-	80	6	#150

Grit size in the above table is standard for that item, others are available upon request.

DIAMOND/CBN INTERNAL GRINDING WHEELS



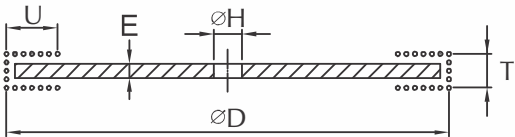
Order No.		ØD	T	N	L	ØB	Grit size
Diamond	CBN						
ID-3004	IB-3004	0.4	2	5	35	3.0	#400
ID-3005	IB-3005	0.5	2	5	35	3.0	#400
ID-3006	IB-3006	0.6	3	5	40	3.0	#200
ID-3007	IB-3007	0.7	3	8	40	3.0	#200
ID-3008	IB-3008	0.8	3	8	40	3.0	#200
ID-3009	IB-3009	0.9	4	8	40	3.0	#200
ID-3010	IB-3010	1.0	5	8	40	3.0	#200
ID-3015	IB-3015	1.5	5	8	45	3.0	#150
ID-3020	IB-3020	2.0	5	12	45	3.0	#150
ID-3025	IB-3025	2.5	5	15	45	3.0	#150
ID-3030	IB-3030	3.0	5	15	45	3.0	#150
ID-3040	IB-3040	4.0	5	-	50	3.0	#150
ID-3050	IB-3050	5.0	8	-	50	3.0	#150
ID-3060	IB-3060	6.0	8	-	50	3.0	#150

Order No.		ØD	T	N	L	ØB	Grit size
Diamond	CBN						
ID-6040	IB-6040	4.0	10	22	80	6.0	#100
ID-6050	IB-6050	5.0	10	22	80	6.0	#100
ID-6060	IB-6060	6.0	10	22	80	6.0	#100
ID-6070	IB-6070	7.0	10	-	80	6.0	#100
ID-6080	IB-6080	8.0	10	-	80	6.0	#100
ID-6090	IB-6090	9.0	10	-	80	6.0	#100
ID-6100	IB-6100	10	10	-	80	6.0	#100
ID-6120	IB-6120	12	10	-	80	6.0	#100
ID-6140	IB-6140	14	10	-	80	6.0	#100
ID-6160	IB-6160	16	10	-	80	6.0	#100
ID-6180	IB-6180	18	10	-	80	6.0	#100
ID-6200	IB-6200	20	10	-	80	6.0	#100

DIAMOND DISC



- Diamond Discs are used for grooving, cutting and grinding glass, tungsten carbide, ceramic, stone, hard rubber, FRP, composite materials and graphite...etc.



Order no.	Type	ØD	T	U	E	ØH	Grit
		(mm)	(mm)	(mm)	(mm)	(mm)	
BM-190E	E	19	0.4	2	0.2	1.7	#200
BM-190A	A	19	0.4	6	0.2	1.7	#200
BM-250E	E	25	0.4	2	0.2	1.7	#200
BM-250A	A	25	0.5	8	0.2	1.7	#150

Abrasives

Tungsten Carbide Rotary Burrs



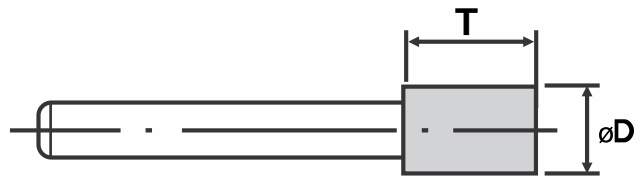
Cylindrical End				Cylindrical Radius End				Conical End				Oval End			
D	T	Shank	Part #	D	T	Shank	Part #	D	T	Shank	Part #	D	T	Shank	Part #
3	13	3	CE 0303	3	13	3	CR 0303	3	13	3	CN 0303	3	7	3	OE 0303
4	13	3	CE 0403	5	13	3	CR 0503	5	13	3	CN 0503	5	8	3	OE 0503
5	13	3	CE 0503	6	13	3	CR 0603					6	10	3	OE 0603
6	13	3	CE 0603												



Ball End				Tree Radius End				Cylindrical with End Cut				Pointed Nose Tree End			
D	T	Shank	Part #	D	T	Shank	Part #	D	T	Shank	Part #	D	T	Shank	Part #
3	2.7	3	BE 0303	3	9	3	TR 0303	4	14	3	CC 0403	4	13	3	PT0403
4	4	3	BE 0403	5	13	3	TR 0503	6	14	3	CC 0603	5	13	3	PT0503
5	5	3	BE 0503	6	13	3	TR 0603					6	13	3	PT0603



Flame End				Inverted Cone End			
D	T	Shank	Part #	D	T	Shank	Part #
4	13	3	FE0403	4	6	3	IC0403
5	13	3	FE0503	5	7	3	IC0503
6	13	3	FE0603	6	7	3	IC0603



Assortment: TC 20 : 20 Pc set



Cylindrical End-Double Cut				Oval End-Double Cut				Ball End-Double Cut				Tree Radius End-Double Cut			
D	T	Shank Ø	Part #	D	T	Shank Ø	Part #	D	T	Shank Ø	Part #	D	T	Shank Ø	Part #
8	20	6	CE0806	8	18	6	OE0806	8	7.2	6	BE0806	8	18	6	TR0806
10	20	6	CE1006	10	20	6	OE1006	10	9	6	BE1006	10	20	6	TR1006
12	25	6	CE1206												



Single Cut - for Aluminium				Single Cut - for Aluminium				Single Cut - for Aluminium				Tree Radius End-Double Cut			
D	T	Shank Ø	Part #	D	T	Shank Ø	Part #	D	T	Shank Ø	Part #	D	T	Shank Ø	Part #
10	21	6	AC1006	10	16	6	AO1006	8	8	6	AB0806	8	18	6	AT0806
12	25	6	AC1206									10	20	6	AT1006



Diamond Dressers

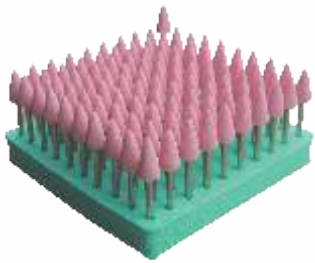


Diamond Wheels

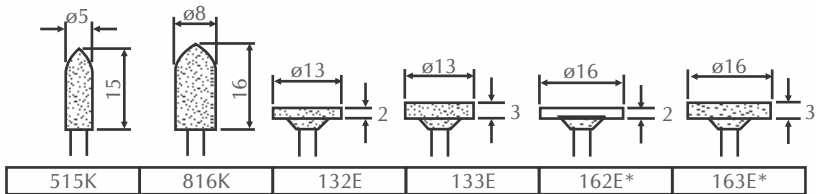
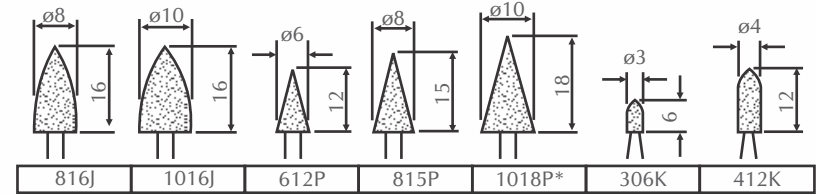
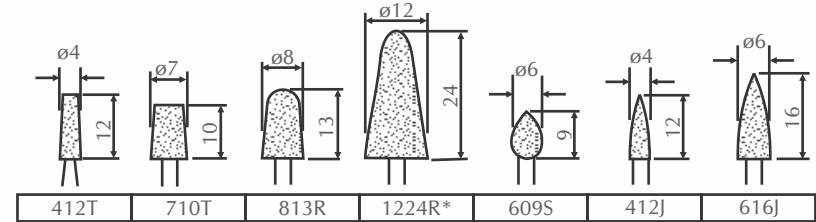
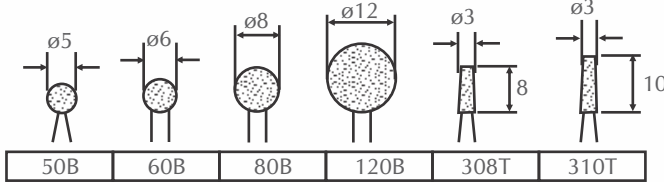
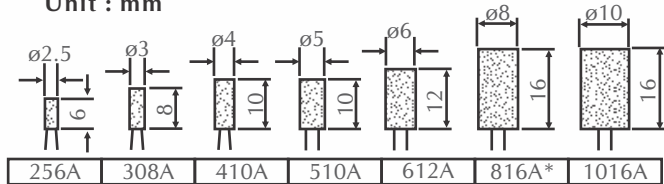
Detailed catalogue available on request

ABRASIVES MOUNTED POINTS

Made of Aluminium Oxide, our Abrasive Mounted Points have excellent cutting ability and very less wear rate. Available in variety of shapes and sizes, our range of Mounted Points, perfectly dressed to size, ensures saving of time and money



Unit : mm

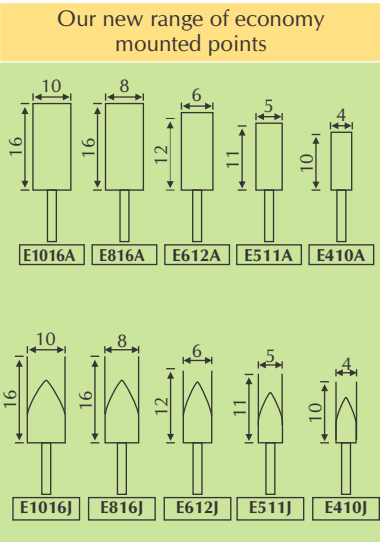


Shape	Size DXT (mm)	Shank Ø (mm)	Max. RPM	Part #
W186	13X19	6	40500	1319AS6
W189	13X50	6	26830	1350AS6
W196	16X25	6	34670	1625AS6
W204	19X19	6	36510	1919AS6
W205	19X25	6	32950	1925AS6
W216	25 X 6	6	38200	2506AS6
W218	25X13	6	37890	2513AS6
W220	25X25	6	30370	2525AS6
W221	25X38	6	24490	2538AS6

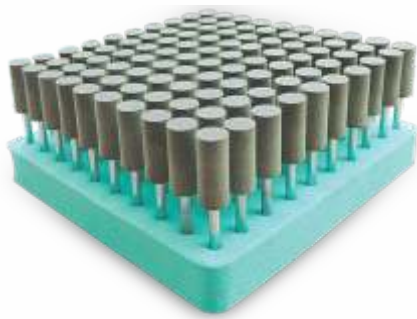
Assorted Abrasive Mounted Points

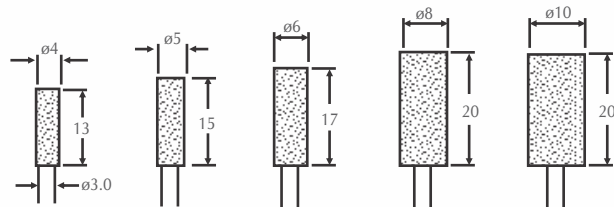
Item #	AMP 50	AMP 100
410A	05 Nos.	10 Nos.
816A	05 Nos.	10 Nos.
1016A	05 Nos.	10 Nos.
60B	05 Nos.	10 Nos.
132E	05 Nos.	10 Nos.
412J	05 Nos.	10 Nos.
612P	05 Nos.	10 Nos.
813R	05 Nos.	10 Nos.
412T	05 Nos.	10 Nos.
710T	05 Nos.	10 Nos.
Total	50 Nos.	100 Nos.

ECON Abrasive Mounted Points-Shank ø3 mm



RUBERISED / RESINOID MOUNTED POINTS





Standard Shank is Ø 3.0mm.

	Grit Size	Order No.				
Rubberized	#120	R413	R515	R617	R820	R1020
Resinoid	#120	N413	N515	N617	N820	N1020
Ceramic	#120,#220,#320	C413	C515	C617	C820	C1020

Rubberized Mounted Points

Made by fine quality raw material, Ruberized Mounted Points abrade and finish in one step. These can be dressed to any shape by using Diamond dressing block and are excellent for polishing mould runners and finishing soft metals, cleaning aluminium and stubborn deposits from PDC dies.

Resinoid Mounted Points

Resin bonded mounted points are excellent for grinding applications thanks to its very low wear properties. Other applications are blending parting lines, fins and risers in castings, finishing weld repairs on metals.

Ceramic Mounted Points

Available in three grit sizes (#120, #220 & #320) Ceramic mounted points are made of new age abrasives, resin bonded, allowing users to choose the surface finish they wish to achieve. Excellent for finishing weld repairs, modifications of die / mould profiles and general grinding.

Assorted Rubberised Mounted Points

Item #	RMP50	RMP100
R413	10 Nos.	20 Nos.
R515	10 Nos.	20 Nos.
R617	10 Nos.	20 Nos.
R820	10 Nos.	20 Nos.
R1020	10 Nos.	20 Nos.
Total	50 Nos.	100 Nos.

Assorted Resinoid Mounted Points

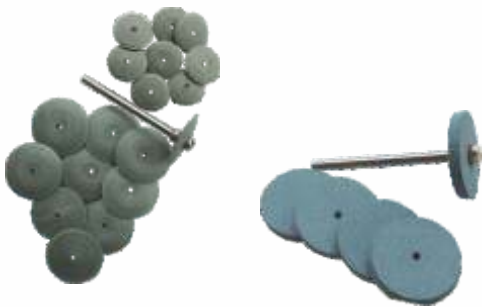
Item #	REMP50	REMP100
N413	10 Nos.	20 Nos.
N515	10 Nos.	20 Nos.
N617	10 Nos.	20 Nos.
N820	10 Nos.	20 Nos.
N1020	10 Nos.	20 Nos.
Total	50 Nos.	100 Nos.

Assorted Ceramic Mounted Points

CMP 150			
Item#	CMP 50-120	CMP 50-220	CMP 50-320
C413	10 Nos.	10 Nos.	10 Nos.
C515	10 Nos.	10 Nos.	10 Nos.
C617	10 Nos.	10 Nos.	10 Nos.
C820	10 Nos.	10 Nos.	10 Nos.
C1020	10 Nos.	10 Nos.	10 Nos.
Total	50 Nos.	50 Nos.	50 Nos.

Rubberised Wheels

For fine polishing with negligible stock removal and quick improvement in surface finish. Removes minor scratches, ideal for polishing in narrow ribs & threads. Used with Pin Hole Mandrel.



	Knife Edge		DISC	
Part #	R2236KEW	R1530KEW	R2232W	R1616W
ø	22	15	22	16
Thickness	3.6	3	3.2	1.6

Bellstone POLISHING STONE



BELLSTONE offers wide range of mould polishing stones excellent for removing machining marks and spark erosion grains for preparing the surface for final polishing. Finer grits available makes it possible to prepare the right surface for Diamond polishing eliminating the requirement of using fine emery papers , thus making the polishing process fast and free of defects like waviness.

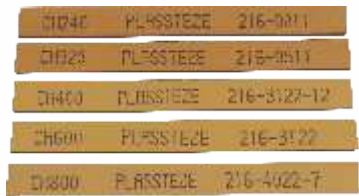
VH Series Mould Polishing Stone

Consisting of premium grade of white aluminium oxide (WA), VH series stones are manufactured by vitrified process. It has the right mix of abrasives, bonding & curing additives that imparts excellent cutting properties. The edges resist breaking down thus giving high cutting efficiency and very low wear rate. Used for polishing larger surfaces, edges and deep grooves, these can be dressed to polish virtually any shape or profile. Recommended for use on carbon steel, alloy tool steel, stainless steel, it virtually covers all kind of mould steels.

Size (mm)	Grit for all sizes	
6 X 1.5 X 150	120	240
6 X 3 X 150	320	400
6 X 6 X 150	600	800
13 X 3 X 150	800	1000
13 X 6 X 150	1200	1500
25 X 6 X 150	1500	2000

PLASSTEZE Polishing Stone

Description	Size (mm)	Grit for all sizes
CH Series Mould Polishing Stone Made of premium aluminium oxide, CH stone are Economy Series Polishing stones manufactured exclusively for polishing Moulds and Dies. The rough grits (240~320) are used by for removing EDM grains and machining marks. Finer grits (400~800) are recommended for further polishing to prepare the surface for Diamond polish.	6X3X150	240
	6X6X150	320
		400
	13X3X150	600
	13X6X150	800



Combination Stones

GC600/C240

Our range includes special combination stones – a combination of Fine (GC600) and Coarse (C240) in sizes convenient to hold and polish. Excellent for big moulds & dies, plates, hot runner manifold, machine slides. Used for numerous applications like cleaning, deburring, chamfering, polishing.....

Size (mm)	
13 X 25 X 100	
20 X 25 X 150	
25 X 50 X 150	

More Options for polishing stones available now:

Size (mm): Φ6x150, 6x6x150, 13x6x150 Grit # 180, 220, 320, 400, 600, 800, 1000



Use with **PLASSTEZE** stoning oil for best result

POLISHING STONE ASSORTMENT



Item #	VH 30	CH 30
6 X 3 X 150 GRIT # 240	05 Nos.	05
6 x 3 x 150 Grit # 400	05 Nos.	05
6 x 3 x 150 Grit # 600	05 Nos.	05
6 x 6 x 150 Grit # 240	05 Nos.	05
6 x 6 x 150 Grit # 400	05 Nos.	05
6 x 6 x 150 Grit # 600	05 Nos.	05
Total	30 Nos.	30 Nos.

Stoning Oil - SO 500

An oil based thin flowing Lubricant for use with Polishing stones & Diamond Compounds while polishing moulds, dies or any other metal parts

- Increase stone Life
- Gentle on human skin
- Cools down frictional heat
- Prevents clogging of porous stones
- Constantly renew cutting edge of stone
- Trigger Spray pack avoids contamination of oil
- Protect work-piece from scratches by washing away the detached waste grains of stone and dirt
- Pack size : 500 ml
- Bulk pack available on request



Polishing Stones on Plastic Shoes



PR03 Push Rod

Excellent for Polishing flat and large surfaces with Polishing/Filing machines. Used with our specially designed Push Rod

Part No.	Size	Grit
PSPS33G240	33 X 13 X 3	240
PSPS15G240	15 X 13 X 3	240
PSPS33G400	33 X 13 X 3	400
PSPS15G400	15 X 13 X 3	400
PSPS33G600	33 X 13 X 3	600
PSPS15G600	15 X 13 X 3	600
PSPS33G800	33 X 13 X 3	800
PSPS15G800	15 X 13 X 3	800
PSPS33G1000	33 X 13 X 3	1000
PSPS15G1000	15 X 13 X 3	1000

Ceramic Diamond Stones



Dimensions (mm)	Grit Size & Order No		
	#200	#400	#800
1 x 4 x100	DM1004M	DF1004M	DS1004M

Made of diamond abrasives and ceramic fibers bonded together with thermosetting resin. Diamond’s cutting performance in combination with the superior tensile strength of ceramic fiber makes Ceramic Diamond Stone a perfect lapping tool. The ordinary ceramic fiber stone is efficient only to lap by its tip, while the Ceramic Diamond Stone works well with any sides or surface. Materials those are difficult to be ground by ordinary ceramic stone, can easily be polished using Ceramic Diamond Stone. Ceramic diamond stone is ideal for lapping all kind of hardened Steel, EDM surface, Tungsten Carbide, Ceramics and Glass efficiently.

Assortment PSPS50

5 pcs each of Grit# 240, 400, 600, 800 & 1000 in size 15X13X3 & 33X15X3. Total 50 pcs with one Push Rod

CERAMIC FIBER STONE

Ceramic Fiber Stones are manufactured using special fiber filaments. Widely used for removing EDM grains and machining marks, thanks to its flexibility, Ceramic Fiber Stones are ideal choice for polishing deep and narrow rib, slots, grooves & engravings which are difficult to polish using conventional abrasive stones. When used with Ultrasonic polishing machines and air lapper, our stones help in very fast stock removal. For manual applications, special stone holders are available. Use **PLASSTEZE** Stoning Oil to enhance performance. Ceramic Fiber Stones cuts only through its tip and is normally held at 5 ~ 45° to the surface to be polished. These stones can be dressed to any desired shape on our Diamond Dressing Blocks available separately.



T x W x L (ØD X L)	#180	#250	#320	#400	#700	#1000	#1200
	Coffee	Orange	Grey	Blue	Yellow	White	Red
1 x 4 x 100	BSC-1004	BSO-1004	BSG-1004	BSB-1004	BSY-1004	BSW-1004	BSR-1004
1 x 6 x 100	BSC-1006	BSO-1006	BSG-1006	BSB-1006	BSY-1006	BSW-1006	BSR-1006
1 x 10 x 100	BSC-1010	BSO-1010	BSG-1010	BSB-1010	BSY-1010	BSW-1010	BSR-1010
Ø3.0 x 100	BGC-30	BGO-30	BGG-30	BGB-30	BGY-30	BGW-30	BGR-30

Xebec Ceramic Fiber Stone

Dimension	#3000	#2000	#1500	#1200	#1000	#800	#600	#400	#220	#120
(MM)	Pink	Cream	Yellow	Red	White	Blue	Black	Orange	Dark Brown	Violet
0.5 x 4 x 100	AS-1001	AC-1001M	-	AR-0504M	AW-0504M	AB-0504M	AP-0504M	AO-0504M	AD-0504M	-
1.0 x 1 x 100	MAS-1002M	AC-1002M	AY-1001M	AR-1001M	AW-1001M	AB-1001M	AP-1001M	AO-1001M	AD-1001M	-
1.0 x 2 x 100	-	-	AY-1002M	AR-1002M	AW-1002M	AB-1002M	AP-1002M	AO-1002M	AD-1002M	AV-1002M
1.0 x 4 x 100	-	-	AY-1004M	AR-1004M	AW-1004M	AB-1004M	AP-1004M	AO-1004M	AD-1004M	AV-1004M
1.0 x 6 x 100	-	-	AY-1006M	AR-1006M	AW-1006M	AB-1006M	AP-1006M	AO-1006M	AD-1006M	AV-1006M
1.0 x 10 x 100	-	-	AY-1010M	R-1010M	AW-1010M	AB-1010M	AP-1010M	AO-1010M	AD-1010M	AV-1010M
2.0 x 4 x 100	-	-	-	AR-2004M	AW-2004M	AB-2004M	AP-2004M	AO-2004M	AD-2004M	AV-2004M
Ø2x 100	-	-	-	PR-20M	PW-20M	PB-20M	PP-20M	PO-20M	PM-20M	-

Mini Ceramic Fiber Stones

Available from 0.5 x 0.5 mm to 1 x 2 mm size. Ideal for ribs, corners, engraving and detailed polishing, in various mould and dies. Traditional Oil Stone and ruby stones tend to break in such small sizes, while Mini Ceramic Stone provide high strength and high elasticity. Special stone holders are available for its manual applications.

Dimensions (mm) T x W x L (ØD X L)	Grit Size, Colour & Order No.				
	#250	#400	#700	#1200	Holder
0.5 x 0.5 x 50	MOS-055	MBG-055	MYS-055	MRS-055	XH-007
0.7 x 0.7 x 50	MOS-075	MBG-075	MYS-075	MRS-075	XH-009
0.9 x 0.9 x 50	MOS-095	MBG-095	MYS-095	MRS-095	XH-013
1 x 2 x 100	MOS-121	MBG-121	MYS-121	MRS-121	XH-200
Ø0.9 x 50	MOS-105	MBG-105	MYS-105	MRS-105	XH-009
Ø2 x 100	MOG-201	MBG-201	MYG-201	MRG-201	XH-200



DIAMOND FOIL

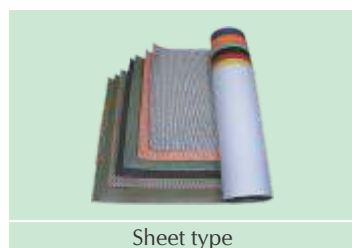
- Diamond Foils can be cut to any shape & size easily and stick on to your own tools, to make a "self-made" tool.
- Diamond Foils are adhesive backed, makes it easier and faster to use.
- Its flexibility helps to create custom tools to polish difficult curves & profiles. In addition, it is useful to finish ribs, narrow grooves, slots, corners and many other infinite applications.
- Aggressive cutting action and wide range of grit sizes enables fast cutting or polishing on steels and carbides.



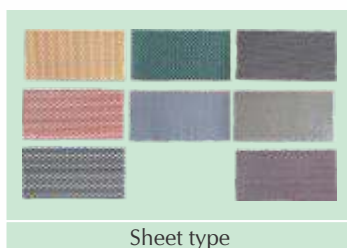
Size (mm)	Grit Size & Order No.								
	#120	#150	#200	#300	#400	#600	#800	#1200	#1800
10 x 100	XF-1012	XF-1015	XF-1020	XF-1030	XF-1040	XF-1060	XF-1080	XF-1120	XF-1180
50 x 100	XF-2012	XF-2015	XF-2020	XF-2030	XF-2040	XF-2060	XF-2080	XF-2120	XF-2180
100 x 100	XF-3012	XF-3015	XF-3020	XF-3030	XF-3040	XF-3060	XF-3080	XF-3120	XF-3180



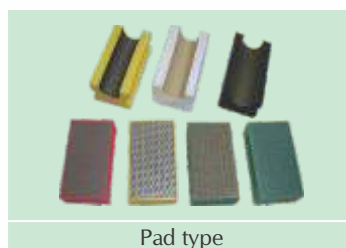
Diamond Cloth



Sheet type



Sheet type



Pad type

The application of diamond power on a flexible cloth has allowed the development of new generation of diamond tools. This tools perform a more aggressive cutting action than any other abrasive tool, thanks to its flexibility and to the spacing between islands, the diamond cloth can be easily cut with scissor.

Applications :

The applications of diamond cloth are :

Wet grinding (lapping) hardened steel of any hardness, tungsten carbide, hard ceramic coated steels, glass, hard ceramic, marble, granite and stone...etc, or for the lapping of mold and die.

Specifications :

Unit : mm

Grit Size	Color	Bond Material	Dimensions & Order No.			
			50 x 100	100 x 100	1,170 x 295	690 x 295
#60	Green	Ni Bond	XZ-1006N	XZ-2006N	XZ-5006N	-
#120	Black	Ni Bond	XZ-1012N	XZ-2012N	XZ-5012N	-
#200	Red	Ni Bond	XZ-1020N	XZ-2020N	XZ-5020N	-
#400	Yellow	Ni Bond	XZ1040N	XZ2040N	XZ-5040N	-
#600	White	Ni Bond	XZ-1060N	XZ-2060N	XZ-5060N	-
#800	White	Resin Bond	XZ-1080R	XZ-2080R	-	XZ-6080R
#1500	Purple	Resin Bond	XZ-1150R	XZ-2150R	-	XZ-6150R
#3000	Orange	Resin Bond	XZ-1300R	XZ-2300R	-	XZ-6300R

Remark :

1. Standard 50 x 100m and 100 x 100 mm come with PSA backing, others without PSA backing.
2. Other size or type (shape), available on request.

EMERY

AL OX Emery Roll with Cloth Backing

Fully synthetic resin bonded high quality corundum grains for demanding tasks, such as precision lapping of profiles of moulds and dies, cleaning of machine parts, rollers and shafts etc. Extremely soft and flexible cloth makes it very easy to use

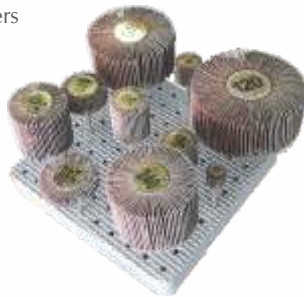


Past	Grit	Roll Size
641PF120	# 120	35/50mm X 50 mtr
641PF220	# 220	35/50mm X 50 mtr
641PF320	# 320	35/50mm X 50 mtr
641PF400	# 400	35/50mm X 50 mtr
641PF600	# 600	35/50mm X 50 mtr

More options available on request

Emery Flap Wheels With Mounted Steel Shank

- Excellent for finishing and blending
- Flaps made of Aluminium Oxide
- Consistent and uniform grained satin finish
- Work with straight die grinders



Size (DXW) Ø (mm)	Shank Ø (mm)	Abrasive	Grit	Max. RPM	Part #
10 X 10	3	AL OX	240	30000	FW240AO101003
15 X 15	3	AL OX	240	30000	FW240AO151503
20 X 10	3	AL OX	240	30000	FW240AO201003
20 X 15	3	AL OX	240	30000	FW2401O201503
25 X 10	3	AL OX	240	25000	FW240AO251003
30 X 05	3	AL OX	240	25000	FW240AO300503
20 X 25	6	AL OX	240	30000	FW240AO202506
25 X 25	6	AL OX	240	25000	FW240AO252506
30 X 30	6	AL OX	240	25000	FW240AO303006
40 X 30	6	AL OX	240	25000	FW240AO403006

Other grits available on request

SiC Water Proof Emery Paper

Size: 230mm X 275mm (9" X 11")

Sharp Silicon Carbide grains backed with optimum weight paper, extremely flexible bond makes it strong, tear resistant emery papers from coarse to extremely fine grits for applications on wide variety of materials like wood, plastics and metals in dry or wet application



Past #	Grit	Pack Size
991A0120	#120	50 pcs
991A0220	# 220	50 pcs
991A0320	# 320	50 pcs
991A0400	# 400	50 pcs
991A0600	# 600	50 pcs
991A0800	# 800	50 pcs
991A1000	# 1000	50 pcs
991A1200	# 1200	50 pcs
991A1500	# 1500	50 pcs
991A2000	# 2000	50 pcs
991A3000	# 3000	50 pcs
991A5000	# 5000	50 pcs
991A7000	# 7000	50 pcs

WPP 50 Emery Paper Assortment

Size: 230mm X 275mm (9" X 11")

Item #	Quantity
991A0220Grit # 220	10 pcs
991A0400Grit # 400	10 pcs
991A0600Grit # 600	10 pcs
991A0800Grit # 800	10 pcs
991A1000Grit # 1000	10 pcs
Total	50 pcs

Abrasives

Polinet Sheet

- A new age alternative to Emery Sheets
- Water resistant, open meshed abrasive sheet, can be used from both sides
- Non-Clogging, great product life time, long lasting polishing till the product life end for both wet and dry use.
- Abrasive grains are evenly coated and firmly adhered to both sides of open meshed synthetic fiber cloth
- Because of its flexibility, it can easily be used for both machine polish and hand-polishing.



Size	Grit Size & Order No							
(mm)	#180A	#240A	#400A	#600A	#800A	#1000A	#1500WA	#2000WA
230X280	PS0180	PS0240	PS0400	PS0600	PS0800	PS1000	PS1500	PS2000

Specifications

Backing : Open Meshed synthetic fiber
 Abrasive : A (Al₂O₃) / WA (White Alumina)
 Bond : Resin Bond

NON WOVEN SURFACE CONDITIONING DISC

- ✓ Quick change type, help saving time
- ✓ Used on right angle (high and low speed) sander or die grinder
- ✓ Ideal for cleaning and removing imperfections on metal surfaces, cleaning, deburring or finishing a variety of surfaces, blending weld seams, or creating decorative finishes
- ✓ The open construction of the non-woven material enables aggressive cutting action and improved surface while maintaining its non-loading feature



Ø (mm)	Abrasive	Color	Grit	Max. RPM	Part #
50	AL OX	MAROON	Medium	25000	NW50MEDI
50	AL OX	BLUE	Fine	25000	NW50FINE
50	AL OX	GREY	Ultra Fine	25000	NW50UFIN

Ø 75 mm available on request

QUICK CHANGE FIBER DISC

For welding grinding and blending; heavy metal removal, light deburring and finishing
 Heavy stock removal, greater durability, longer life To be used with backing pad on portable angle grinders / sanders

Ø (mm)	Abrasive	Grit	Max. RPM	Part #
50	AL OX	60	25000	AOF50060
50	AL OX	80	25000	AOF50080
50	AL OX	120	25000	AOF50120
50	Zirconium	120	25000	ZCF50120
50	Ceramic Oxide	120	25000	COF50120



- ◆ Ø 75 mm available in request
- ◆ other grits available on request

ROLOC QUICK CHANGE DISCHOLDER-WITH STEEL SHANK

Abrasive Ø (mm)	Pad Size Ø (mm)	Shank Ø (mm)	Max. RPM	Part #
50	45	6	25000	ROLDH5006

Ø 75 mm available on request



DIAMOND COMPOUNDS

Kemet Diamond Compound - IC



Kemet

The chemists at Kemet International have worked very closely with leading mould polishers to develop the next generation of high quality Kemet Diamond Compound at a cost effective price.

Kemet Diamond Compound Type IC is both water and oil soluble and is used for rapid stock removal and superfine surface finish. It has an added advantage of being stable at high temperatures. It is particularly suitable for polishing tool steel moulds.

Kemet Diamond Compound Type IC is available in the following grades:

Part #	Colour	Micron Size
Kemet ¼ IC	White	¼
Kemet 1 IC	Blue	1
Kemet 3 IC	Green	3
Kemet 6 IC	Yellow	6
Kemet 9 IC	Red	9
Kemet 15 IC	Brown	15
Kemet 30 IC	Mahogany	30
Kemet 45 IC	Purple	45

Diamond Compounds - ECON



Economy series Diamond Compounds, popular among professional Polishers, an excellent mix of value and performance.

- Water and oil soluble
- Rapid stock removal
- Superfine surface finish
- Optimum mix of Lubricant & Cleaner
- 5 gms syringe packing
- Screwed cap avoids wastage & contamination

Part #	Colour	Micron Size
ECON 0.5	Grey	0.5
ECON 1	White	1
ECON 3	Yellow	3
ECON 6	Orange	6
ECON 9	Green	9
ECON 15	Blue	15
ECON 20	Dark Green	20
ECON 30	Brown	30
ECON 50	Purple	50

Pack Size: 5 gms



Lap-Lusture

LAP-LUSTURE is used for final polishing with high gloss mirror finish. It's ideal for steel, silver, aluminium, brass, copper etc. A small amount of LAP-LUSTURE applied to a clean felt bob will remove the smokey haze often seen after final finish using rotary polishing machines, bringing out the brilliance of metal. If polishing by hand use our special POLISHING PADS.



SPARKLE

Sprinkle some powder and rub over the finally mirror polished surface with fine Cotton (Use our SUPRAFINISH for excellent results) and see the miracle. Its a powder with magical power which makes your finally mirror polished surface sparkle like stars.

POLISHING BRUSHES

Category	Size (mm)	Brass	Black Hair	Soft Natural Hair	BA 90 Brush Assortment		
Shape					1	BR3C	10 pcs
					2	BR3E	10 pcs
					3	BR3W	10 pcs
Part No.	Cup Brush	BR3C	BH3C	SN3C	4	BH3C	10 pcs
Shape					5	BH3E	10 pcs
					6	BH3W	10 pcs
					7	SN3C	10 pcs
Part No.	End Brush	BR3E	BH3E	SN3E	8	SN3E	10 pcs
Shape					9	SN3W	10 pcs
					TOTAL		90 pcs
Part No.	Wheel Brush	BR3W	BH3W	SN3W			

Wood Lap

Wood lap sticks, bobs and cones are available in Hard & Soft wood which are produced by layering quality wood to achieve excellent polishing result. Hard wood is used for faster stock removal with coarser grits of Diamond compounds and the Soft wood used with finer grits of Diamond compounds, produce high luster and polish.



Wood Bobs		
Dimensions (mm)	Code	
	Hard	Soft
Ø 7 X 12	321104	321124
Ø 12 X 20	321105	321125
Ø 18 X 28	321106	321126

Wood Cones		
Dimensions (mm)	Code	
	Hard	Soft
Ø 7 X 16	321130	321130
Ø 12 X 30	321111	321131
Ø 18 X 30	321112	321132

Wood Lapping Sticks		
Dimensions (mm)	Code	
	Hard	Soft
4 X 6 X 150	321202	321222
6 X 6 X 150	321203	321223
8 X 12 X 150	321205	321225
8 X 19 X 150	321206	321226
Ø 3 X 150	321207	321227
Ø 6 X 150	321209	321229

Brass Lapping Sticks






Dia : 3 mm
Length: 75 mm
Special size available on request.

LAPPING BITS

Lapping Bits for use with Diamond compounds. Ball Rods are used to drive lapping bits using Reciprocating Handpiece. Available in Plastic & Brass, 3 shapes, 5 colours.



Lapping Bits

Shape	Material	Size (mm)	Part No.
	Brass	4	LBBS4
	Brass	6	LBBS6
	Brass	8	LBBS8
	Plastic	8	LBPS8
	Brass	7	LBBS7
	Brass	10	LBBS10
	Brass	14	LBBS14
	Plastic	14	LBPS14
	Brass	4	LBBS4
	Brass	6	LBBS6
	Brass	8	LBBS8
	Plastic	8	LBPS8

Ball Rods



Straight Ball Rod – BR1
Bent Ball Rod – BR2

Polishing Pads

Double sided, textured, soft, smooth, cotton Polishing Pads that avoids scratches and lints on mirror polished surface while cleaning or polishing

- Excellent for cleaning mirror polished metal surfaces, glass, lenses and critical surfaces
- Made of soft organic cotton, produced by insecticide free cotton farming.
- Ideal for hand touch up of mirror polished surfaces.

Description : Polishing Pads
Wipe Size : 55mm Round
Qty/Box : 50 Pcs



Polishing Shoes

Polishing Shoes Plastic

Item code	Size
PSS	12X9
PSB	30X9

Polishing Shoes Felt

PSPS	15X13
PSPB	33X13



Used for Diamond polishing on flat surfaces, the engineering plastic used to manufacture plastic shoes acts as an excellent lap. Polishing Shoes are also available with felt for mirror polishing.

Reciprocating handpiece driven by Micromotor / Flexible shaft machine are used to polish by Polishing Shoes with Push rod.

Push Rod : PR03



Suprafinish

A premium quality cotton exclusively made for very fine Diamond Polishing Applications for hand touch of fine mirror polished surface using diamond compounds. Also used to wipe / clean highly polished surface.

Kleen Wipes

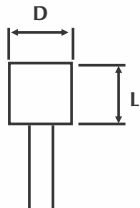
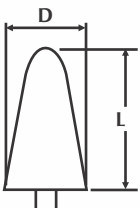
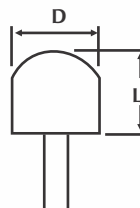
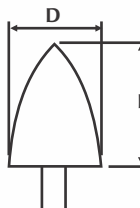

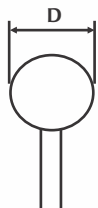


Description : Kleen wipes
Wipe Size : 4.5"x8.5"
Qty/Box : 280 Pulls

single ply lint free wipes that protects critical glass surfaces, lenses and highly polished metal surface from cleaning-induced scratches and lint

- excellent for cleaning mirror polished metal surfaces, glass, lenses and critical surfaces
- will not scratch even when used wet

FELT BOBS

																							
D I A M E T E R	L E N G T H	S H A P E	S H A N K D I A	D I A M E T E R	L E N G T H	S H A P E	S H A N K D I A	D I A M E T E R	L E N G T H	S H A P E	S H A N K D I A	D I A M E T E R	L E N G T H	S H A P E	S H A N K D I A	D I A M E T E R	L E N G T H	S H A P E	S H A N K D I A	D I A M E T E R	L E N G T H	S H A P E	S H A N K D I A
4	8	CY	3	4	8	CN	3	4	8	R	3	4	8	P	3	-	-	-	-	-	-	-	-
5	10	CY	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	12	CY	3	6	12	CN	3	6	12	R	3	6	12	P	3	-	-	-	-	-	-	-	
8	12	CY	3	8	12	CN	3	8	12	R	3	8	12	P	3	8	12	F	3	8	8	S	3
10	10	CY	3	10	13	CN	3	10	13	R	3	10	13	P	3	10	13	F	3	10	10	S	3
13	13	CY	3	13	25	CN	3	13	13	R	3	13	25	P	3	13	19	F	3	13	13	S	3
19	19	CY	3	19	38	CN	3	19	19	R	3	19	38	P	3	19	25	F	3	19	19	S	3
19	25	CY	6	25	50	CN	6	25	25	R	6	25	50	P	6	25	32	F	6	25	25	S	6
19	38	CY	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	25	CY	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
32	32	CY	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
38	38	CY	6	*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Item Code: D x L+Shape + Shank Dia (Example 4X8 - Cy3)
Custom sizes available on request.



Assorted Felt Bobs

Item #	FB 60
4x 8 - CY3	05 Nos.
6 x 12 - CY3	10 Nos.
10 x 10 - CY3	10 Nos.
19 x 19 - CY3	10 Nos.
10 x 13 - CN3	05 Nos.
10 x 13 - R3	05 Nos.
10 x 13 - P3	05 Nos.
10 x 13 - F3	05 Nos.
10 x 10 - S3	05 Nos.
Total	60 Nos.

Custom sizes available on request.

FELT STICKS



Part No.	FMS0606	FMS1010
W X T X L	6 X 6 X 100 X 45°	10 X 10 X 100 X 45°

Felt Pads with Adhesive



Part No.	Dimension
FPA2010	20 x 10 x 2

Felt Mounted Sticks

Part No.	FMS0606	FMS1010
W X T X L	6 X 6 X 25	10 X 10 X 45



FPH-Felt Pad Holder

ø 3mm Shank



Felt Sheet

Cut to any size to make your own feltlap or use felt sheet/block for polishing by hand.

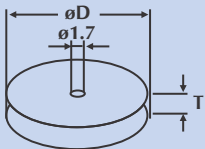


Part No.	FSH230280	FSH100070
W X T X L	230 X 280 X 6.5	100 X 70 X 20

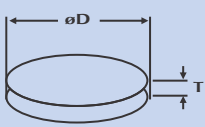
Felt Flap Wheels For fine polishing on large surfaces.

Part No.	Size (mm)
FFP2020	20 X 20 X 6
FFP2525	25 X 25 X 6
FFP3025	30 X 25 X 6
FFP4025	40 X 25 X 6
FFP5025	50 X 25 X 6

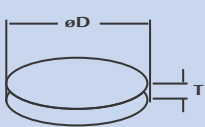


	FELT DISK WITH PIN HOLE (FDH)								
	DIAMETER	12	12	19	19	25	32	50	50
	THICKNESS	3	6	3	6	6	6	6	12



	FELT DISK WITH ADHESIVE (FDA)								
	DIAMETER	12	12	19	19	25	32	50	50
	THICKNESS	3	6	3	6	6	6	6	12

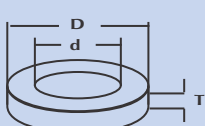


	FELT DISK WITH VELCRO								
	DIAMETER	12	12	19	19	25	32	50	50
	THICKNESS	3	6	3	6	6	6	6	12









	KNIFE EDGE FELT DISK WITH PIN HOLE (KEW)				
	DIAMETER	12	16	19	25
	THICKNESS	5	5	5	5










	FELT RING WITH ADHESIVE (FRA)				
	D	50	30	20	15
	d	20	11	8	5
	T	6	6	5	4









STONE HOLDER

Order No.	Stone Holder	Capacity (mm)	Application
XH-041		4 x 1	Ceramic Stones
XH-061		6 x 1	Ceramic Stones
XH-101		10 x 1	Ceramic Stones
XH-062		6 x 2 or 6 x 3	Oil Stones
XH-133		13 x 3	Oil Stones
XH-136		13 x 6	Oil Stones

- Resist Breaking of Stones
- Easy to use small pieces of Stones
- Make Polisher's job easy

Order No.	Stone Holder	Capacity (mm)	Application
XH-007		0.5 x 0.5 or ø0.7	Mini Ceramic Stones
XH-009		0.7 x 0.7 or ø0.9	Mini Ceramic Stones
XH-013		0.9 x 0.9 or ø1.3	Mini Ceramic Stones
XH-200		2 x 1 or ø2.0	Mini Ceramic Stones
XH-22		ø3.0	Ceramic Stones
XH-012		Ø1.7 ~ 3	Stones & Files
XH-01			Diamond Foils, Cloth, Emery

Tool Holder for Air Lappers and other Reciprocation Handpiece :						
Order No.	No. 664	No. 665	No. 661	No. 662	No. 667	No. 666
Specification	Ø3 & 1mm	1mm slot	3.2 x 13mm	3.2mm slot	6.3 x 13mm	Adjustable
Shape						

Disc Holder



Disc Holder with Velcro

Shank Dia (mm)	Disc Dia (mm)	DISC Rubber Holder	DISC Holder with velcro
3	10	DH 10	DHV 10
3	15	DH 15	DHV 15
3	20	DH 20	DHV 20
3	25	DH 25	DHV 25
6	50	DH 50	DHV 50

Mandrel



Pin Hole Mandrel - Shank Dia : 3mm



Paper Mandrel - Shank Dia : 3mm



Paper Mandrel Brass, Shank Dia: 3mm

TRANSFORMING A DULL METAL SURFACE TO MIRROR



POLISHING KIT

- Keeps all items in order
- Separate compartment for various grit sizes of Polishing Stones
- Place to keep various laps used with different micron size Diamond Compounds, separately
- Helps preventing the contamination of laps and stones
- Easily portable, rugged steel body
- Available in two versions – ECONOMY & FULLY LOADED
- Easy to maintain your inventory – never fall short of items in the hour of need
- Contains virtually everything that you need for polishing your Dies & Moulds please refer the packing list
- Contents can be customized on request
- Packing List available on request

Polishing Station - Customised Contents



Polishing Station with Trolley



Polishing Station - Table Mounted

Call us today for any technical support on your POLISHING requirements

Some tips to improve your mould polishing

- Pre-machine as fine as possible to reduce polishing work.
- Cleanliness is most important. Keep your polishing area away from grinding dust and chips. All it takes is one stray piece of grinding grit to ruin your finish.
- Separate your stones. Do not mix up stones and diamond polishing sticks of various grits. Keep different grit of stones in separate boxes.
- Maintain constant hand pressure while using polishing machines and other hand tools while polishing.
- Keep the surface well lubricated by stoning oil when polishing with stones and diamonds
- Avoid high speed of polishing machines when polishing large surfaces.

Our other products:

Ask for catalogue if you need more information on our other products or refer to our website



Standard Mould Parts



Mould Flipper



Magnetic Chuck

Die Spotting Press



Gun Drill Machine



Hydraulic Quick Mould Change System



e-CAMGUARD Die & Mould Protection System



Ultrasonic Cleaning System



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