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# Flexible Diamond Products Technical Data

Flexible's diamond product tools are tailored for many industrial applications. Flexible offers flexible diamond and CBN tools in a variety of sizes and dimensions, including belts, discs, sheets and strips. Technological advantages combined with unique products allow Flexibility to offer innovative solutions with high added value, perfectly coordinated with market demands. Performance and technical reliability are the best choice for diamond tools of various structures.

## **Main market areas**

- Architectural glass, scientific and crystal glass
- Tableware manufacturers, refractory industry, tile manufacturers
- Composite industry
- Aerospace, Transportation, Oil & Gas, Paper

## **Materials**

Diamond is the hardest material and provides a predictable, consistent and repeatable finish to different materials. It is ideal for grinding and finishing applications on glass, ceramics, porcelain, composites, superhard steel, titanium, epoxies and thermal spray coatings and textiles

## **General Technical Data**

## **Life performance**

Diamond outperforms every time. Diamond tools have an Exceptional longer life, consistent finish and a consecutive High grinding rates.

## **Product construction**

Flexible diamond tools are made of 3 main elements: Grit, Bond and Backing. Various combinations of these elements offer many possibilities to meet industrial needs with the highest efficiency.

## **Grits**

Diamond consists of pure carbon in a crystalline structure. For grinding tools, the diamonds used are generally synthetic, produced at very high temperatures under high pressure. The grit size data for diamond is based upon the average grit diameter in  $\mu\text{m}$ . A rough grit size increases the stock removal and surface roughness of the workpiece. Choosing the right grit size depends on various factors: the application, the material, the tool drive, wet (water, lubricant) or dry grinding (general rule use wet).

## **Grit range**

All grits are colour coded and available in: 251  $\mu\text{m}$  (60 – 80) , 126  $\mu\text{m}$  (120), 91  $\mu\text{m}$  (180), 64  $\mu\text{m}$  (240 – 320), 46  $\mu\text{m}$  (400) , 30 $\mu\text{m}$ (600) , 20 $\mu\text{m}$ (800) , 15 $\mu\text{m}$ (1200) , 12 $\mu\text{m}$ (1800)

## **Bond:**

Flexible has flexible diamond tools available in metal and resin bond versions.

### **Nickel bond**

Nickel bond for nickel layer with special electroplating process, mainly used for coarse and medium particle size and operations requiring high material removal rate. The process starts with metallizing the fabric. The pattern was electroformed using nickel plating. Sprinkle diamond on it and proceed to plating to the required specifications.

### **Resin bond**

Resin is mainly used for finer grit and polishing. Continuous resin layer. Diamonds go all the way through the resin. Product must be "on" for optimum performance.

### **Backing**

Backing for flexible diamond tools, special fabric made on special needs. This unique process provides strength and flexibility compared to our competitors. This fabric has good dimensional stability, high abrasion resistance, and excellent heat dissipation, and can be laminated to many different types of backings. This unique sheet can then be laminated to many different backings depending on the application. A variety of backings (from heavy duty to flexible) are designed

for optimum diamond retention, excellent edge wear, and can be combined with many different patterns and particle sizes to suit different demanding applications.

### **Pattern**

Large circle dot: used for applications where loading is a problem. Grades 250um and 300um only.

Medium circle dot: 17 pellets/inch for aggressive cutting action, improved coolant flow and increased swarf removal

small circle dot: 25 pellets/inch for the finishes. Provides fastest stock removal on very hard materials such as thermal spray coating and ceramics

### **Arrow:**

Strong interlocking arrow pattern, specifically developed for heavy stock removal and finishing.

Ideal for grinding on the slack of the belts and for grinding surface with sharp edges. This

pattern – with lines in all directions, has always contact with the work piece ensuring a high level of comfort grinding due to no soldiering. The structure of the pattern ensures good heat dissipation.

**Metal Bond-** Connected arrows - Closed pattern - Medium-fine grits - Mainly used for discs.

**Metal Bond-** More open pattern – not connected arrows - Giving higher Flexibility and stock removal - For high performance belt grinding, glass arrissing.

## **Flexible diamond belt glass edging solution**

Specifically developed in cooperation with OEMs, it is designed to equip automatic Seaming and edges machine.

The flexible diamond tool does not stress the glass, adapts to the edge of the glass, makes the glass angular, smooth and fast, and eliminates the possibility of glass chipping cracks and chips.

High quality pattern design, Supported by a durable yet flexible waterproof backing. Special pattern connection for extended service life without collision. This allows processing of glass sheets of different squares. The unique electroplating technology makes the diamond electroplating layer strong and durable, avoiding scratches caused by the loose grit design of standard traditional electroplating abrasive belts, and has a long service life.

## **Choice of diamond grain size**

The most commonly used granules are 120GGrit and 200Grit

Coarse grit 60 or fine grit 320 is occasionally required for special rough or finer finishes.

## **edges and corners:**

200Grit grinding 3-5mm thick glass plate, can achieve 0.5mm edge angle.

120Grit achieving an arriss of 1.0 mm or larger on 6-10 mm thick glass panes.

## **Wet and dry use:**

Automatic production lines always use coolants to improve the performance of diamond belts and maximize service life. Use diamond belts for wet grinding unless otherwise specified.

**Recommended working speed:** 25 – 32m/s, max speed 45m/s. Conventional belts run at about 12-15 m/s, and diamond belts grind at about 25-32 m/s and perform best, providing the highest productivity while the conventional belts operate at about 25-32 m/s Grinding efficiency is also good at speed

### **Tech Tips**

For optimum performance and optimum service life, the following precautions are recommended The parameters conform to the machine's instructions for use and operating conditions:

**Coolant:** Use solvent-free clean water and additives. Keep the flow constant at the grinding point.

**Pressure Condition:** Apply the correct pressure for the belt setting, too low will cause varnish, too high will cause Belt wear is uneven. Deformation under tension is about 20mm.

**Timing:** Once the panel is conveyed to the middle of the belt, the abrasive side of the belt should touch the glass. Align the center of the grinding surface for the smallest contact points and longest belt life and reduce unnecessary wear.



**Belt Guide Roller:** Use a clean belt guide wheel with a flat surface to ensure smooth running of the belt.

**Configuration statement** - normal belt crown - or slight bevel on outer edge.

**Equipment maintenance:** Regularly check the setting parameters of the belt grinder to avoid unnecessary abrasive belt wear caused by inaccurate parameter settings.

Note: Doubling the seam width from 0.5mm to 1.0mm means 4 times the stock to be removed.

Grain Type	Diamond and CBN
Backing Material	special cloth
Grit Size	<p><b>Metal Bonded:</b></p> <p><u>Stock Removal:</u> 300µm (50Grit) 251 µm (60Grit) , 126 µm (120Grit);</p> <p>Semi-finish: 91 µm (180), 74µm(200Grit) 64 µm (240);</p> <p><u>Finish:</u> 50µm (325Grit) , 40µm(400Grit) , 30µm(600);</p> <p><u>Super-finish:</u> 20µm (800), 10µm (1000Grit), 15µm (1200), 12µm (1800).</p> <p><b>Resin Bonded:</b></p> <p><u>Finish:</u> 50µm(325);</p>

	<p><u>Semi-polishing:</u> 30<math>\mu</math>m (500Grit) ,20<math>\mu</math>m(600Grit);</p> <p><u>Polishing:</u> 10<math>\mu</math>m(1000Grit), 9<math>\mu</math>m(1200Grit)5<math>\mu</math>m (3000Grit)</p> <p>2<math>\mu</math>m(8000Grit) 1<math>\mu</math>m (14000Grit) 0.5<math>\mu</math>m(50000Grit)</p>
Bonding:	galvanic-bonded, electroplated and Resin Bonded
Fabricated width	320 mm
Pattern	Dot,Arrow,Wave,Semi-moon and Octagonal
Recommended applications Material	Non-metallic materials, e.g. tungsten carbide, titanium carbide, glass, ceramic, plastic fiber glass, GRP, natural stone, Kevlar fiber etc.
Workpiece:	rolls (paper industry, foil and wire manufacturing), tubes coated with hard material, extruder screws, glass edges, turbine blades, blades and knives grinding, ceramic and ceramic coated parts, GRP rotor blades, PUR lacquer coatings, components of high-pressure controls, marble and granite plates
Operation	automatic grinding, robotic grinding, backstand grinding, grinding by hand

# Diamond Emery Paper

Diamond emery paper and tapes, seamless diamond abrasive strips and diamond paper for



fabric sueding machine ( LAFER / CARU /UNITECH )

are single layer strip resists heat and prevents stretching Precise

diamond pellet placement and concentration for best swarf

removal and cool performance can be fitted to any vertical,

horizontal, or drum sueding industry machines reduces down time for up to 25% increase in

throughput increase tool life produces a perfect finish and eliminates fiber strain. also textile

sueding eliminate breakage at the seam, allowing for continuous textile sueding production

without interruption for strip replacement. Strips will completely wear before needing replaced,

resulting in increased, predictable performance and production. There are many machinery types

for which we can fit our diamond sueding abrasives. The machinery names are Broma, Caru,

Comet Unitec, Curtin-Hebert, Danti Paolo, Haining, HAS Lafer-Turk, Lafer, Lamperti, Lisa,

Mario Crosta, MCS, Memnum, Sanwa, Sperotto, Sucker Muller, Xetma. The bold names are by

far the most popular throughout the world as Italians somewhat dominate the market.\*Available

Grits: 220, 400, 600 Available.

264" x 3"			1900mm x 230mm		
GRADE	CODE	Price	GRADE	CODE	
M 220	DSMP2643220		M 220	DSMP1923220	
M 400	DSMP2643400		M 400	DSMP1923400	
M 600	DSMP2643600		M 600	DSMP1923600	
6700mmx 75mm					
GRADE	CODE				
M 220	DSMP6775220				
M 400	DSMP6775400				
M 600	DSMP6775600				

## Flexible Diamond Belts

### Flexible Diamond Sanding Belts



Flexible diamond abrasive belts include the broadest line of diamond abrasives coated on a variety of flexible backings for use on extremely hard and wear resistant. Top quality diamond belts with great price-performance ratio for a manufacturing environment, where productivity is key, flexible abrasive diamond belts are being used extensively in wet grinding applications and have a very aggressive cutting action which is maintained throughout the long life of the belt. Flexible Abrasive Diamond Belts are being used extensively in wet grinding and polishing applications throughout the Aerospace, Ceramics, Glass, Paper and Stone industries. Advantages are consistent finish, increased productivity and reductions in downtime and abrasive costs. All sizes are available or can be manufactured to fit Hand, Cross Belt and Robotic machines.

## Flexible CBN Sanding Belts

The support material is applied with a formfitting copper layer. With a nickel base alloy, the



CBN crystals are bonded to the abrasive belt galvanic ally, strewn in a regular intermittent pattern or with no spacing, covering the entire surface. The new CBN(Cubic Boron

Nitride) Abrasive belts are suited especially for work with hardened steels (>55 HRC) and titanium alloys. Next to diamonds, CBN (cubic boron nitride) is the hardest abrasive grain.

Because of the hardness of the CBN abrasive grain, the new CBN abrasive belts achieve outstanding results on hardened steels, chrome (layers), carbon metals, grey cast iron. Most sizes

are available for many Carbide, Cast Iron, Ceramic, Chilled Cast Iron, Chrome Carbide, Chrome Oxide, Composites, Granite, Hard Composite, High Nickel Alloy, HVOF, Nickel Based,

Non-ferrous Metals, Oxides, Soft Composite, Soft Metals, Stone and Tungsten Carbide applications for use on hand or automatic machines. A very strong polyfiber backing material

allows the belts to be manufactured with a superior join for extra strength and smooth running as there are no bumps on the join.

330 Long x 8mm Wide			1010 Long x100mm Wide			2000 Long x 50mm Wide		
GRADE	CODE		GRADE	CODE		GRADE	CODE	
M 60	DAGB33860		M 60	DAGB101010060		M 60	DAGB20005060	
M 100	DAGB338100		M 100	DAGB1010100100		M 100	DAGB200050100	
M 120	DAGB338120		M 120	DAGB1010100120		M 120	DAGB200050120	
M 200	DAGB338200		M 200	DAGB1010100200		M 200	DAGB200050200	
M 400	BEPN338400		M 400	BEPN1010100400		M 400	BEPN200050400	

M 600	BEP338600		M 600	BEP1010100600		M 600	BEP200050600	
330 Long x 20mm Wide			1160 Long x100mm Wide			2000 Long x 100mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB332060		M 60	DAGB116010060		M 60	DAGB200010060	
M 100	DAGB3320100		M 100	DAGB1160100100		M 100	DAGB2000100100	
M 120	DAGB3320120		M 120	DAGB1160100120		M 120	DAGB2000100120	
M 200	DAGB3320200		M 200	DAGB1160100200		M 200	DAGB2000100200	
M 400	BEPN3320400		M 400	BEPN1160100400		M 400	BEPN2000100400	
M 600	BEP3320600		M 600	BEP1160100600		M 600	BEP2000100600	
457 Long x 18mm Wide			1180 Long x 80mm Wide			2130 Long x 60mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB4571860		M 60	DAGB11808060		M 60	DAGB21306060	
M 100	DAGB45718100		M 100	DAGB118080100		M 100	DAGB213060100	
M 120	DAGB45718120		M 120	DAGB118080120		M 120	DAGB213060120	
M 200	DAGB45718200		M 200	DAGB118080200		M 200	DAGB213060200	
M 400	BEPN45718400		M 400	BEPN118080400		M 400	BEPN213060400	
M 600	BEP45718600		M 600	BEP118080600		M 600	BEP213060600	
520 Long x 20mm Wide			1180 Long x 100mm Wide			2400 Long x 100mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB5222060		M 60	DAGB118010060		M 60	DAGB240010060	
M 100	DAGB52220100		M 100	DAGB1180100100		M 100	DAGB2400100100	
M 120	DAGB52220120		M 120	DAGB1180100120		M 120	DAGB2400100120	
M 200	DAGB52220200		M 200	DAGB1180100200		M 200	DAGB2400100200	
M 400	BEPN52220400		M 400	BEPN1180100400		M 400	BEPN2400100400	
M 600	BEP52220600		M 600	BEP1180100600		M 600	BEP2400100600	
533 Long x 30mm Wide			1220 Long x 50mm Wide			2500 Long x 100mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB5333060		M 60	DAGB12205060		M 60	DAGB250010060	
M 100	DAGB53330100		M 100	DAGB122050100		M 100	DAGB2500100100	
M 120	DAGB53330120		M 120	DAGB122050120		M 120	DAGB2500100120	
M 200	DAGB53330200		M 200	DAGB122050200		M 200	DAGB2500100200	
M 400	BEPN53330400		M 400	BEPN122050400		M 400	BEPN2500100400	
M 600	BEP53330600		M 600	BEP122050600		M 600	BEP2500100600	
570 Long x 25mm Wide			1010 Long x 70mm Wide			2500 Long x 150mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB5702560		M 60	DAGB10107060		M 60	DAGB250015060	
M 100	DAGB57025100		M 100	DAGB101070100		M 100	DAGB2500150100	

M 120	DAGB57025120		M 120	DAGB101070120		M 120	DAGB2500150120	
M 200	DAGB57025200		M 200	DAGB101070200		M 200	DAGB2500150200	
M 400	BEPN57025400		M 400	BEPN101070400		M 400	BEPN2500150400	
M 600	BEP57025600		M 600	BEP101070600		M 600	BEP2500150600	
610 Long x 25mm Wide			1600 Long x 8mm Wide			2642 Long x 100mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB6102560		M 60	DAGB1600860		M 60	DAGB264210060	
M 100	DAGB61025100		M 100	DAGB16008100		M 100	DAGB2642100100	
M 120	DAGB61025120		M 120	DAGB16008120		M 120	DAGB2642100120	
M 200	DAGB61025200		M 200	DAGB16008200		M 200	DAGB2642100200	
M 400	BEPN61025400		M 400	BEPN16008400		M 400	BEPN2642100400	
M 600	BEP61025600		M 600	BEP16008600		M 600	BEP2642100600	
750 Long x 25mm Wide			1600 Long x 15mm Wide			2700 Long x 16mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB7502560	US\$28.00	M 60	DAGB16001560	US\$35.00	M 60	DAGB27001660	US\$65.00
M 100	DAGB75025100	US\$28.00	M 100	DAGB160015100	US\$35.00	M 100	DAGB270016100	US\$65.00
M 120	DAGB75025120	US\$28.00	M 120	DAGB160015120	US\$35.00	M 120	DAGB270016120	US\$65.00
M 200	DAGB75025200	US\$28.00	M 200	DAGB160015200	US\$35.00	M 200	DAGB270016200	US\$65.00
M 400	BEPN75025400	US\$28.00	M 400	BEPN160015400	US\$35.00	M 400	BEPN270016400	US\$65.00
M 600	BEP75025600	US\$28.00	M 600	BEP160015600	US\$35.00	M 600	BEP270016600	US\$65.00
760 Long x 40mm Wide			1800 Long x 50mm Wide			3350 Long x 50mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB7604060	US\$45.00	M 60	DAGB18005060	US\$135.00	M 60	DAGB33505060	US\$250.00
M 100	DAGB76040100	US\$45.00	M 100	DAGB180050100	US\$135.00	M 100	DAGB335050100	US\$250.00
M 120	DAGB76040120	US\$45.00	M 120	DAGB180050120	US\$135.00	M 120	DAGB335050120	US\$250.00
M 200	DAGB76040200	US\$45.00	M 200	DAGB180050200	US\$135.00	M 200	DAGB335050200	US\$250.00
M 400	BEPN76040400	US\$45.00	M 400	BEPN180050400	US\$135.00	M 400	BEPN335050400	US\$250.00
M 600	BEP76040600	US\$45.00	M 600	BEP180050600	US\$135.00	M 600	BEP335050600	US\$250.00
762 Long x 25mm Wide			1800 Long x 70mm Wide			3350 Long x 60mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB7622560	US\$25.00	M 60	DAGB18007060	US\$190.00	M 60	DAGB33506060	US\$300.00
M 100	DAGB76225100	US\$25.00	M 100	DAGB180070100	US\$190.00	M 100	DAGB335060100	US\$300.00
M 120	DAGB76225120	US\$25.00	M 120	DAGB180070120	US\$190.00	M 120	DAGB335060120	US\$300.00
M 200	DAGB76225200	US\$25.00	M 200	DAGB180070200	US\$190.00	M 200	DAGB335060200	US\$300.00
M 400	BEPN76225400	US\$25.00	M 400	BEPN180070400	US\$190.00	M 400	BEPN335060400	US\$300.00
M 600	BEP76225600	US\$25.00	M 600	BEP180070600	US\$190.00	M 600	BEP335060600	US\$300.00
820 Long x 40mm Wide			1800 Long x 75mm Wide			3350 Long x 100mm Wide		

GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB8204060	US\$50.00	M 60	DAGB18007560	US\$200.00	M 60	DAGB335010060	US\$500.00
M 100	DAGB82040100	US\$50.00	M 100	DAGB180075100	US\$200.00	M 100	DAGB3350100100	US\$500.00
M 120	DAGB82040120	US\$50.00	M 120	DAGB180075120	US\$200.00	M 120	DAGB3350100120	US\$500.00
M 200	DAGB82040200	US\$50.00	M 200	DAGB180075200	US\$200.00	M 200	DAGB3350100200	US\$500.00
M 400	BEPN82040400	US\$50.00	M 400	BEPN180075400	US\$200.00	M 400	BEPN3350100400	US\$500.00
M 600	BEP82040600	US\$50.00	M 600	BEP180075600	US\$200.00	M 600	BEP3350100600	US\$500.00
<b>830 Long x 70mm Wide</b>			<b>1800 Long x 80mm Wide</b>			<b>3350 Long x 150mm Wide</b>		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB8307060	US\$90.00	M 60	DAGB18008060	US\$215.00	M 60	DAGB335015060	US\$755.00
M 100	DAGB83070100	US\$90.00	M 100	DAGB180080100	US\$215.00	M 100	DAGB3350150100	US\$755.00
M 120	DAGB83070120	US\$90.00	M 120	DAGB180080120	US\$215.00	M 120	DAGB3350150120	US\$755.00
M 200	DAGB83070200	US\$90.00	M 200	DAGB180080200	US\$215.00	M 200	DAGB3350150200	US\$755.00
M 400	BEPN83070400	US\$90.00	M 400	BEPN180080400	US\$215.00	M 400	BEPN3350150400	US\$755.00
M 600	BEP83070600	US\$90.00	M 600	BEP180080600	US\$215.00	M 600	BEP3350150600	US\$755.00
<b>914 Long x 50mm Wide</b>			<b>1830 Long x 100mm Wide</b>			<b>740 Long x 40mm Wide</b>		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DAGB9145060	US\$70.00	M 60	DAGB183010060	US\$275.00	M 60	DAGB744060	US\$45.00
M 100	DAGB91450100	US\$70.00	M 100	DAGB1830100100	US\$275.00	M 100	DAGB7440100	US\$45.00
M 120	DAGB91450120	US\$70.00	M 120	DAGB1830100120	US\$275.00	M 120	DAGB7440120	US\$45.00
M 200	DAGB91450200	US\$70.00	M 200	DAGB1830100200	US\$275.00	M 200	DAGB7440200	US\$45.00
M 400	BEPN91450400	US\$70.00	M 400	BEPN1830100400	US\$275.00	M 400	BEPN7440400	US\$45.00
M 600	BEP91450600	US\$70.00	M 600	BEP1830100600	US\$275.00	M 600	BEP7440600	US\$45.00



# Expanding Rubber Drum Belts

Top quality flexible diamond belts with great price-performance ratio for a manufacturing

environment, Wet grinding and polishing discs for manual angle

grinders. The high concentration of diamond particles in these

diamond belts ensures a extraordinarily smooth finish. These

diamond belts have a strong flexible fabric backing that will not crack

or lose pliancy after repeated use. diamond abrasive belts is ideal for blending and finishing

contours on thermal sprays, ceramics, carbides, composites, chilled iron, non-ferrous metals,

and other hard to grind materials. The high flexibility of the backing is excellent for lighter duty

applications such as blending and finishing, even on extreme contours.



ø10x20mm Wide			ø22x20mm Wide			ø50x40mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	FDMB102060	US\$1.50	M 60	FDMB222060	US\$2.50	M 60	FDMB504060	US\$10.00
M 100	FDMB1020100	US\$1.50	M 100	FDMB2220100	US\$2.50	M 100	FDMB5040100	US\$10.00
M 120	FDMB1020120	US\$1.50	M 120	FDMB2220120	US\$2.50	M 120	FDMB5040120	US\$10.00
M 200	FDMB1020200	US\$1.50	M 200	FDMB2220200	US\$2.50	M 200	FDMB5040200	US\$10.00
M 400	FDMB1020400	US\$1.50	M 400	FDMB2220400	US\$2.50	M 400	FDMB5040400	US\$10.00
M 600	FDMB1020600	US\$1.50	M 600	FDMB2220600	US\$2.50	M 600	FDMB5040600	US\$10.00
ø15x30mm Wide			ø45x30mm Wide			ø25x25mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	FDMB153060	US\$3.00	M 60	FDMB453060	US\$7.00	M 60	FDMB252560	US\$3.00
M 100	FDMB1530100	US\$3.00	M 100	FDMB4530100		M 100	FDMB2525100	US\$3.00
M 120	FDMB1530120	US\$3.00	M 120	FDMB4530120	US\$7.00	M 120	FDMB2525120	US\$3.00
M 200	FDMB1530200	US\$3.00	M 200	FDMB4530200	US\$7.00	M 200	FDMB2525200	US\$3.00

M 400	FDMB1530400	US\$3.00	M 400	FDMB4530400	US\$7.00	M 400	FDMB2525400	US\$3.00
M 600	FDMB1530600	US\$3.00	M 600	FDMB4530600	US\$7.00	M 600	FDMB2525600	US\$3.00
ø30x30mm Wide								
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	FDMB303060	US\$4.50						
M 100	FDMB3030100	US\$4.50						
M 120	FDMB3030120	US\$4.50						
M 200	FDMB3030200	US\$4.50						
M 400	FDMB3030400	US\$4.50						
M 600	FDMB3030600	US\$4.50						

## Expanding Drums Band and Disc



Flexible Diamond bands and discs are made from a two-ply polyester backing film evenly coated with diamond filled nickel plated dots. These flexible diamond bands have been designed and developed for light grinding, shaping and polishing applications with contours and hard to

reach areas on hard materials, such as granite, marble, natural stone, engineered stone, glass, ceramics and hard metals. Use wet or dry. Use to grind, sand and smooth on these materials: glass, stone, wood, carbide, steel, bone, composites, exotic alloys, chrome cobalt, plastic, gypsum, painted or plated surfaces, enamels, ceramics and hard metals. .All flexible diamond bands are colour coded

for easy grade identification and are manufactured to fit expanding rubber mandrels.

ø10x20mm Wide			ø22x20mm Wide			ø50x40mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	FDMB102060	US\$1.50	M 60	FDMB222060	US\$2.50	M 60	FDMB504060	US\$10.00
M 100	FDMB1020100	US\$1.50	M 100	FDMB2220100	US\$2.50	M 100	FDMB5040100	US\$10.00
M 120	FDMB1020120	US\$1.50	M 120	FDMB2220120	US\$2.50	M 120	FDMB5040120	US\$10.00
M 200	FDMB1020200	US\$1.50	M 200	FDMB2220200	US\$2.50	M 200	FDMB5040200	US\$10.00
M 400	FDMB1020400	US\$1.50	M 400	FDMB2220400	US\$2.50	M 400	FDMB5040400	US\$10.00
M 600	FDMB1020600	US\$1.50	M 600	FDMB2220600	US\$2.50	M 600	FDMB5040600	US\$10.00
ø15x30mm Wide			ø45x30mm Wide			ø25x25mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	FDMB153060	US\$3.00	M 60	FDMB453060	US\$7.00	M 60	FDMB252560	US\$3.00
M 100	FDMB1530100	US\$3.00	M 100	FDMB4530100		M 100	FDMB2525100	US\$3.00
M 120	FDMB1530120	US\$3.00	M 120	FDMB4530120	US\$7.00	M 120	FDMB2525120	US\$3.00
M 200	FDMB1530200	US\$3.00	M 200	FDMB4530200	US\$7.00	M 200	FDMB2525200	US\$3.00
M 400	FDMB1530400	US\$3.00	M 400	FDMB4530400	US\$7.00	M 400	FDMB2525400	US\$3.00
M 600	FDMB1530600	US\$3.00	M 600	FDMB4530600	US\$7.00	M 600	FDMB2525600	US\$3.00
ø30x30mm Wide								
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	FDMB303060	US\$4.50						
M 100	FDMB3030100	US\$4.50						
M 120	FDMB3030120	US\$4.50						
M 200	FDMB3030200	US\$4.50						
M 400	FDMB3030400	US\$4.50						
M 600	FDMB3030600	US\$4.50						

# Diamond Sheet and Paper

The electroplated hand polishing sheet are designed for hand polishing of stone and glass edge. it is



sharp and flexible. Hans manufactured the

Super Flexible Diamond-impregnated Abrasive

Polishing Cloths Sheet Paper for polishing all

surface contours. Flexible material can be

supplied in sheets of various sizes and backings, which can be easily cut with scissors to make

customized tooling. Use for polishing all hard materials such as Hard metals, Stone,Glass, Ceramic,

Marble, Granite and also Woods such as Ebony and Pink Ivory.

50 x 50mm Wide			50 x 150mm Wide			100 x 50mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DPS505060	US\$3.00	M 60	DPS5015060	US\$10.00	M 60	DPS1005060	US\$7.00
M 100	DPS5050100	US\$3.00	M 100	DPS50150100	US\$10.00	M 100	DPS10050100	US\$7.00
M 120	DPS5050120	US\$3.00	M 120	DPS50150120	US\$10.00	M 120	DPS10050120	US\$7.00
M 200	DPS5050200	US\$3.00	M 200	DPS50150200	US\$10.00	M 200	DPS10050200	US\$7.00
M 400	DPS5050400	US\$3.00	M 400	DPS50150400	US\$10.00	M 400	DPS10050400	US\$7.00
M 600	DPS5050600	US\$3.00	M 600	DPS50150600	US\$10.00	M 600	DPS10050600	US\$7.00
100 x 100mm Wide			120 x 180mm Wide			150 x 150mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DPS10010060	US\$14.00	M 60	DPS12018060	US\$32.00	M 60	DPS15015060	US\$32.00
M 100	DPS100100100	US\$14.00	M 100	DPS120180100	US\$32.00	M 100	DPS150150100	US\$32.00
M 120	DPS100100120	US\$14.00	M 120	DPS120180120	US\$32.00	M 120	DPS150150120	US\$32.00
M 200	DPS100100200	US\$14.00	M 200	DPS120180200	US\$32.00	M 200	DPS150150200	US\$32.00
M 400	DPS100100400	US\$14.00	M 400	DPS120180400	US\$32.00	M 400	DPS150150400	US\$32.00
M 600	DPS100100600	US\$14.00	M 600	DPS120180600	US\$32.00	M 600	DPS150150600	US\$32.00
200 x 100mm Wide			200 x 300mm Wide			300 x 300mm Wide		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	DPS20010060	US\$30.00	M 60	DPS20030060	US\$90.00	M 60	DPS30030060	US\$130.00
M 100	DPS200100100	US\$30.00	M 100	DPS200300100	US\$90.00	M 100	DPS300300100	US\$130.00
M 120	DPS200100120	US\$30.00	M 120	DPS200300120	US\$90.00	M 120	DPS300300120	US\$130.00
M 200	DPS200100200	US\$30.00	M 200	DPS200300200	US\$90.00	M 200	DPS300300200	US\$130.00
M 400	DPS200100400	US\$30.00	M 400	DPS200300400	US\$90.00	M 400	DPS300300400	US\$130.00
M 600	DPS200100600	US\$30.00	M 600	DPS200300600	US\$90.00	M 600	DPS300300600	US\$130.00

# Flexible Diamond Backed Discs

Quick release discs for grinding natural and synthetic stones, glass, ceramics and hard metals.



Colour coded for easy grade identification. These quick released (Velcro) flexible diamond discs are for hand and fixed machine polishing. They should be used wet. All sizes and grades available. All other

backings and fixings available including M14, snail lock, self adhesive, plastazote and magnetic.

Quick release diamond flexible material for wet grinding and polishing glass, ceramics, hard metals, natural stone including granite, marble and sandstone, and synthetic stone such as engineered stone.

These diamond discs are colour coded in green, black, red, yellow, white, blue and orange for easy grade identification.

VELCRO Backing Discs ø75mm			VELCRO Backing Discs ø125x20mm Bore		
GRADE	CODE	PRICE	GRADE	CODE	PRICE
M 60	BEPN065A	US\$9.00	M 60	BEPN085A	US\$224.00
M 120	BEPN065C	US\$9.00	M 120	BEPN085C	US\$224.00
M 200	BEPN065D	US\$9.00	M 200	BEPN085D	US\$224.00
M 400	BEPN065E	US\$9.00	M 400	BEPN085E	US\$224.00
VELCRO Backing Discs ø100x10mm Bore			VELCRO Backing Discs ø150x12mm Bore		
GRADE	CODE	PRICE	GRADE	CODE	PRICE
M 60	*BEPN069A	US\$16.00	M 60	*BEPN450A	US\$35.00
M 120	*BEPN069C	US\$16.00	M 120	*BEPN450C	US\$35.00
M 200	*BEPN069D	US\$16.00	M 200	BEPN450D	US\$35.00
M 400	*BEPN069E	US\$16.00	M 400	*BEPN450E	US\$35.00
VELCRO Backing Discs ø115x10mm Bore					

GRADE	CODE	CODE			
M 60	*BEPN075A	US\$20.00			
M 120	*BEPN075C	US\$20.00			
M 200	*BEPN075D	US\$20.00			
M 400	*BEPN075E	US\$20.00			

## Flexible Diamond Discs

Flexible Diamond Sanding Discs include the broadest line of diamond abrasives coated on a variety



of flexible backings, flexible diamond sanding diamond discs have raw diamonds electroplated to a tough foil surface. They may be used on flat or curved surfaces and can be run wet or dry. When compared to silicon carbide abrasive sandpaper, these discs work twice as

fast and will outlast hundreds of sheets of abrasive sandpaper .Flexible diamond flat lapping discs

are supplied with magnetic, Self Adhesive backing and Unbacked for grinding, polishing and

lapping natural and synthetic stones, glass, ceramics and hard materials. Colour coded for easy grade identification.

Magnetic Backing Discs ø150mm			Magnetic Backing Discs ø200mm			Magnetic Backing Discs ø250mm		
GRADE	CODE	Price	GRADE	CODE	Price	GRADE	CODE	Price
M 60	FDMD15060	US\$32	M 60	FDMD20060	US\$58	M 60	FDMD25060	US\$90
M 100	FDMD150100	US\$32	M 100	FDMD200100	US\$58	M 100	FDMD250100	US\$90
M 120	FDMD150120	US\$32	M 120	FDMD200120	US\$58	M 120	FDMD250120	US\$90
M 200	FDMD150200	US\$32	M 200	FDMD200200	US\$58	M 200	FDMD250200	US\$90

M 400	FDMD150400	US\$32	M 400	FDMD200400	US\$58	M 400	FDMD250250	US\$90
M 600	FDMD150600	US\$32	M 600	FDMD200600	US\$58	M 600	FDMD250600	US\$90
Magnetic Backing Discs ø300mm			Magnetic Backing Discs ø350mm			Magnetic Backing Discs ø400mm		
M 60	FDMD30060	US\$125	M 60	FDMD35060	US\$170	M 60	FDMD40060	US\$225
M 100	FDMD300100	US\$125	M 100	FDMD350100	US\$170	M 100	FDMD400100	US\$225
M 120	FDMD300120	US\$125	M 120	FDMD350120	US\$170	M 120	FDMD400120	US\$225
M 200	FDMD300200	US\$125	M 200	FDMD350200	US\$170	M 200	FDMD400200	US\$225
M 400	FDMD300400	US\$125	M 400	FDMD350400	US\$170	M 400	FDMD400400	US\$225
M 600	FDMD300600	US\$125	M 600	FDMD350600	US\$170	M 600	FDMD400600	US\$225
Magnetic Backing Discs ø450mm			Magnetic Backing Discs ø500mm			Magnetic Backing Discs ø600mm		
M 60	FDMD45060	US\$285	M 60	FDMD50060	US\$360	M 60	FDMD60060	US\$515
M 100	FDMD450100	US\$285	M 100	FDMD500100	US\$360	M 100	FDMD600100	US\$515
M 120	FDMD450120	US\$285	M 120	FDMD500120	US\$360	M 120	FDMD600120	US\$515
M 200	FDMD450200	US\$285	M 200	FDMD500200	US\$360	M 200	FDMD600200	US\$515
M 400	FDMD450400	US\$285	M 400	FDMD500400	US\$360	M 400	FDMD600400	US\$515
M 600	FDMD450600	US\$285	M 600	FDMD500600	US\$360	M 600	FDMD600600	US\$515



# Flexible Diamond Sheet Velcro Backing

Flexible Diamond Abrasive Paper Designed to tackle hard-to-grind materials like stone, glass,



ceramic, metal, carbide and composites

Colour coded for easy grade identification

and manufactured from the very successful

Flexible Diamond material. Flexible

Diamond VELCRO Cloth Sheet was designed to tackle hard-to-grind materials like stone, glass,

ceramic, metal, carbide and composites. The sharp-cutting diamond mineral and flexible backing

make this abrasive a good match for a variety of metalworking applications.

50 x 50mm Wide			50 x 150mm Wide			100 x 50mm Wide		
GRADE	CODE	PRICE	GRADE	CODE	PRICE	GRADE	CODE	PRICE
M 60	DPS505060	US\$3.50	M 60	DPS5015060	US\$10	M 60	DPS1005060	US\$7
M 100	DPS5050100	US\$3.50	M 100	DPS50150100	US\$10	M 100	DPS10050100	US\$7
M 120	DPS5050120	US\$3.50	M 120	DPS50150120	US\$10	M 120	DPS10050120	US\$7
M 200	DPS5050200	US\$3.50	M 200	DPS50150200	US\$10	M 200	DPS10050200	US\$7
M 400	DPS5050400	US\$3.50	M 400	DPS50150400	US\$10	M 400	DPS10050400	US\$7
M 600	DPS5050600	US\$3.50	M 600	DPS50150600	US\$10	M 600	DPS10050600	US\$7
100 x 100mm Wide			120 x 180mm Wide			150 x 150mm Wide		
GRADE	CODE	PRICE	GRADE	CODE	PRICE	GRADE	CODE	PRICE
M 60	DPS10010060	US\$14	M 60	DPS12018060	US\$30	M 60	DPS15015060	US\$31
M 100	DPS100100100	US\$14	M 100	DPS120180100	US\$30	M 100	DPS150150100	US\$31

M 120	DPS100100120	US\$14	M 120	DPS120180120	US\$30	M 120	DPS150150120	US\$31
M 200	DPS100100200	US\$14	M 200	DPS120180200	US\$30	M 200	DPS150150200	US\$31
M 400	DPS100100400	US\$14	M 400	DPS120180400	US\$30	M 400	DPS150150400	US\$31
M 600	DPS100100600	US\$14	M 600	DPS120180600	US\$30	M 600	DPS150150600	US\$31
200 x 100mm Wide			200 x 300mm Wide			300 x 300mm Wide		
GRADE	CODE	PRICE	GRADE	CODE	PRICE	GRADE	CODE	PRICE
M 60	DPS20010060	US\$28	M 60	DPS20030060	US\$82	M 60	DPS30030060	US\$123
M 100	DPS200100100	US\$28	M 100	DPS200300100	US\$82	M 100	DPS300300100	US\$123
M 120	DPS200100120	US\$28	M 120	DPS200300120	US\$82	M 120	DPS300300120	US\$123
M 200	DPS200100200	US\$28	M 200	DPS200300200	US\$82	M 200	DPS300300200	US\$123
M 400	DPS200100400	US\$28	M 400	DPS200300400	US\$82	M 400	DPS300300400	US\$123
M 600	DPS200100600	US\$28	M 600	DPS200300600	US\$82	M 600	DPS300300600	US\$123

# M14 & Snail-Lock Diamond Discs

Snail-Lock Flexible Diamond Abrasive Sanding Disc are specifically designed for single- or multiple-head automatic edge polishing machines for straight and beveled edge polishing. It only requires up to the 3000 grit to successfully polish edges. Fabricators will find that results are very consistent and can rely on the high quality performance. Utilizing the common snail lock adapter, SL pads will easily attach to edge polishing machinery. The pads simply fit into place and lock on with a twisting motion. To remove the pads simply untwist and remove, then replace with the next grit. The “twist and lock” design saves time and increases productivity.



M14 Backing Discs ø100mm		PRICE	Snail-Lock Backing Discs ø100mm		PRICE
M 60	M1410060	US\$15	M 60	SLBD10060	US\$15
M 100	M14100100	US\$15	M 100	SLBD100100	US\$15
M 120	M14100120	US\$15	M 120	SLBD100120	US\$15
M 200	M14100200	US\$15	M 200	SLBD100200	US\$15
M 400	M14100400	US\$15	M 400	SLBD100400	US\$15
M 600	M14100600	US\$15	M 600	SLBD100600	US\$15
M14 Backing Discs ø150mm		PRICE	Snail-Lock Backing Discs ø150mm		PRICE
M 60	M1415060	US\$32	M 60	SLBD15060	US\$32

M 100	M14150100	US\$32	M 100	SLBD150100	US\$32
M 120	M14150120	US\$32	M 120	SLBD150120	US\$32
M 200	M14150200	US\$32	M 200	SLBD150200	US\$32
M 400	M14150400	US\$32	M 400	SLBD150400	US\$32
M 600	M14150600	US\$32	M 600	SLBD150600	US\$32
<b>M14 Backing Discs ø127mm</b>		<b>PRICE</b>	<b>Snail-Lock Backing Discs ø127mm</b>		<b>PRICE</b>
M 60	M1412760	US\$24	M 60	SLBD12760	US\$24
M 100	M14127100	US\$24	M 100	SLBD127100	US\$24
M 120	M14127120	US\$24	M 120	SLBD127120	US\$24
M 200	M14127200	US\$24	M 200	SLBD127200	US\$24
M 400	M14127400	US\$24	M 400	SLBD127400	US\$24
M 600	M14127600	US\$24	M 600	SLBD127600	US\$24

# Roloc Flexible Diamond Disc

Roloc Flexible Diamond Abrasive Sanding Disc provide a burr-free surface suitable for painting or coating. These discs can be used for removal of light rust, oxides and coatings. Heavy duty discs for weld removal, grinding and blending large and small areas of metal surfaces. Available in regular and quick release forms. For hard to grind material, stone, glass, ceramic, metal, carbide, composites. Metal plated bond securely anchors micron graded diamonds to backing. For flat, edge, contour grinding and polishing. Heavy duty, water resistant, polyester backing.



Roloc Flexible Diamond Disc						
GRADE	1"	CODE	2"	CODE	3"	CODE
M 60	US\$1.50	ROLO160	US\$4	ROLO260	US\$8.50	ROLO360
M 100	US\$1.50	ROLO1100	US\$4	ROLO2100	US\$8.50	ROLO3100
M 120	US\$1.50	ROLO1120	US\$4	ROLO2120	US\$8.50	ROLO3120
M 200	US\$1.50	ROLO1200	US\$4	ROLO2200	US\$8.50	ROLO3200
M 400	US\$1.50	ROLO1400	US\$4	ROLO2400	US\$8.50	ROLO3400
M 600	US\$1.50	ROLO1600	US\$4	ROLO2600	US\$8.50	ROLO3600

# Diamond Flap Wheel Disc

Coated Diamond Abrasive flap wheels are the ideal choice for light grinding, blending, graining and scale removal on a variety of metals. The abrasive flaps offer a long lasting supply of fresh abrasives and load resistant design. Available in both flange mounted and spindle mounted constructions with general purpose CBN or diamond abrasive grain.



4"			4.5"			5"		
GRADE	CODE	PRICE	GRADE	CODE	PRICE	GRADE	CODE	PRICE
M 60	DFL460	US\$18	M 60	DFL4560	US\$20	M 60	DFL560	US\$25
M 120	DFL4120	US\$18	M 120	DFL45120	US\$20	M 120	DFL5120	US\$25
M 200	DFL4200	US\$18	M 200	DFL45200	US\$20	M 200	DFL5200	US\$25
6"			7"					
GRADE	CODE	PRICE	GRADE	CODE	PRICE			
M 60	DFL660	US\$33	M 60	DFL760	US\$46			
M 120	DFL6120	US\$33	M 120	DFL7120	US\$46			
M 200	DFL6200	US\$33	M 200	DFL7200	US\$46			

# Diamond Flexible Hand Pads

Hand polishing and grinding pads manufactured using diamond flexible material for use on



edges, corners and flat surfaces of a wide range of materials such as granite, marble, engineered stones, glass, ceramics, composites and hard metals.

All hand pads have colour coded foam backing for easy grade

identification and are available in the following options:-

**Hand Pads – Standard** 80 x 50mm, 90 x 55mm and 120 x 60mm

**Metal Grades**-60-1200 grit **Resin Grades** - 800-12000 grit

**Hand Pads – Profiled** A20, A30, A40, B20, B30, F20, F30, F40, H20, H30 V20, V30 and V40

80x50			90x55			120x60		
GRADE	CODE	PRICE	DH1206060	CODE	PRICE	GRADE	CODE	PRICE
M 60	DH757560	US\$5.50	DH12060100	DH955560	US\$6.50	M 60	DH1206060	US\$9.50
M 100	DH7575100	US\$5.50	DH12060120	DH9555100	US\$6.50	M 100	DH12060100	US\$9.50
M 120	DH7575120	US\$5.50		DH9555120	US\$6.50	M 120	DH12060120	US\$9.50
M 200	DH7575200	US\$5.50	DH12060400	DH9555200	US\$6.50	M 200	DH12060200	US\$9.50
M 400	DH7575400	US\$5.50	DH12060600	DH9555400	US\$6.50	M 400	DH12060400	US\$9.50
M 600	DH7575600	US\$5.50	120x60	DH9555600	US\$6.50	M 600	DH12060600	US\$9.50

# Semi-Flexible Diamond Sanding Pad

FLEXIBLE'S Semi-Flexible Diamond Sanding Pad is for grinding, smoothing and polishing



ceramics and glass. Order online here with free shipping from Sheffield Pottery. Diamond grit on these 2.5" x 2.5" and 1.75" x 2.75" pads will smooth off high-fired glaze or clay quickly and much more easily than any other type of sandpaper

or abrasive. Has 1/2" and 1/4" thick of semi-flexible pad for wet or dry use on any bisqued or high-fired glaze or clay or glass. Great for smoothing off grit or glaze, clay or whatever is stuck to the bottom of a piece after firing. Or smooth off the bottom of a piece so it won't scratch a table or snag a fabric tablecloth.

NOTE: Photo shows all 3 grits:60,120,and 240

1.75"x2.75"			2.5 "x2.5"		
GRADE	CODE	PRICE	GRADE	CODE	PRICE
M 60	DH17560	US\$5.50	M 60	DH2560	US\$6.50
M 100	DH175100	US\$5.50	M 100	DH25100	US\$6.50
M 120	DH175120	US\$5.50	M 120	DH25120	US\$6.50
M 200	DH175200	US\$5.50	M 200	DH25200	US\$6.50
M 400	DH175400	US\$5.50	M 400	DH25400	US\$6.50
M 600	DH175600	US\$5.50	M 600	DH25600	US\$6.50



# Flexible Diamond Belts Drum



M14 fitting, flexible diamond vanity drums with central water feed for wet grinding and polishing internal cutouts in glass. The diamond vanity drums are color coded M60 green, M120 black, M200 red and M400 yellow for easy grade identification.

M14 FITTING ø50 x 42mm Wide			M14 FITTING ø75 x 50mm Wide		
M 60	M14504260	US\$6	M 60	M14755060	US\$10
M 100	M145042100	US\$6	M 100	M147550100	US\$10
M 120	M145042120	US\$6	M 120	M147550120	US\$10
M 200	M145042200	US\$6	M 200	M147550200	US\$10
M 400	M145042400	US\$6	M 400	M147550400	US\$10
M 600	M145042600	US\$6	M 600	M147550600	US\$10

# Triangular Diamond Polishing Pads



The triangular polishing pads are used for FEIN MultiMaster type oscillation tools for detailed polishing of granite, marble, concrete and other types of stones. They are 3" for each side.

The entire set comes with grite 60# 120# 200# 400#. they can be used for wet. the triangle diamond polishing pads are also suitable for Dremel Multi-Max, Rockwell SoniCrafter, as well as Ryobi detail.

3"		
M 60	TD360	US\$10
M 100	TD3100	US\$10
M 120	TD3120	US\$10
M 200	TD3200	US\$10
M 400	TD3400	US\$10
M 600	TD3600	US\$10

# Flexible Diamond Hand Files

Flexible diamond hand files designed for general purpose use are available in four different



grade sizes, These files are supplied individually or in sets of four different profiles. Made of rigid plastic with flex

diamond laminated on the filing surface. The best sanding tool on the market and is ideal for hand sanding in small, hard-to-reach areas. Sets contain the same four styles in different grits.

Set contains 1 1/2" x 3/4" flat, 1 3/4" x 1/2" flat, a 2 1/2" x 1/4" flat, and a half-round, 1 3/4" x 3/8".

1 1/2" x 3/4" Flat		1 3/4" x 1/2" Flat		2 1/2" x 1/4" Flat		1 3/4" x 3/8" Half-Round	
GRADE	CODE	GRADE	CODE	GRADE	CODE	GRADE	CODE
M 60	DHF1123460	M 60	DHF1341260	M 60	DHF2121460	M 60	DHF343860
M 100	DHF11234100	M 100	DHF13412100	M 100	DHF21214100	M 100	DHF3438100
M 120	DHF11234120	M 120	DHF13412120	M 120	DHF21214120	M 120	DHF3438120
M 200	DHF11234200	M 200	DHF13412200	M 200	DHF21214200	M 200	DHF3438200
M 400	DHF11234400	M 400	DHF13412400	M 400	DHF21214400	M 400	DHF3438400
M 600	DHF11234600	M 600	DHF13412600	M 600	DHF21214600	M 600	DHF3438600

# Accessories

Backup pads can be supplied with a variety of backings including hard, cushioned and rubber backs. These VELCRO backing pads are equipped for central water feed and are available with M14 or snail-lock fittings and are ideally suited to our range of VELCRO backed diamond material in 100mm diameter. Also available in our range of backup pads is the M14 to snail-lock adaptor.

## Flat Hard Backed Backup Pad



VELCRO Flat Type	
DIAMETER	FITTING
80mm	M14
100mm	M14
100mm	Snail-Lock

## Rubber Backup Pad



Used with any of our 100mm wet/dry diamond polishing discs for shaped/profiled edges or internal/external radii/sink cut-outs on hand held variable speed polishers.

Available in 75, 100 and 125mm diameter with central water feed, M14 fitting and VELCRO/Velcro backing.

VELCRO Rubber Type (Semi Rigid)	
DIAMETER	FITTING
75mm	M14
100mm	M14
125mm	M14

## VELCRO Foam Back-Up Pad



Used with any of our wet/dry diamond polishing discs for shaped/profiled edges or internal/external radii/sink cut-outs on hand held variable speed polishers. Tend to be stiffer than our flexible rubber back-up pads.

Available in 100mm diameter with 10mm foam, central water feed, M14 fitting and VELCRO/Velcro backing.

VELCRO Cushioned Type (12mm Cushion)	
DIAMETER	FITTING
80mm	M14
100mm	M14
115mm	M14

## Snail Lock-M14 Aluminum Back-Up Pad



These aluminum backer plates are attached to the polishing tool and each of the pads has a snail lock adapter. The adapter simply fits into place and locks on with a twisting motion. To remove the pads simply untwist and remove, then replace with next grit. Available sizes: 4" ,5" and 6"

Aluminum Back-Up Pad M14 to Snail-Lock	
DIAMETER	CODE
100mm	*APM14100
125mm	APM14125
150mm	APM14150

## Snail Lock Back-Up Pads



Specially use for processing of natural stones in various shape ,also for the maintaining repairing and renewing of decorative stones, it is installed on portable grinding machine and operated by

hand. Various diamond polishing pad/wheels for polishing curving, restoring etc.

Snail Lock Back-Up Pads		
DIAMETER	CODE	PRICE
100mm	SLP00	US\$1
125mm	SLP125	US\$1
150mm	SLP150	US\$1.5

### Mandrel Quick Change Disc Holder



Abrasive Lock Sanding Discs Backing Pads Holder with 1/4 inch shank that chucks securely into any rotary tools. Threaded Pad Backs Polishers, Sanders & Sandpapers Screws Tightly onto the 1/4 Inch Mandrel. Various different treated pad backs available that screw tightly onto the mandrel of your power tool or drill.

Backup Pad	
ø mm	CODE
25	LM25
50	LM50
75	LM70





Heavy Duty Cushioned Drum				
CODE	M14	M16	5/8-11	PRICE
*ABP	3"	3"	3"	US\$3.5
*BES605	4"	4"	4"	US\$4
*BES520	5"	5"	5"	US\$5.5

## Expanding Rubber Mandrels



Flexible Diamond Mandrel Bands can be securely held by the Expanding Rubber Mandrels. These mandrels are available in most common sizes and are supplied with a 6mm diameter shank.

Expanding Rubber Mandrels		
CODE	SIZE	PRICE
ERM1020	10 x 20mm, Shank $\phi$ 6mm	US\$2.0
ERM1530	15 x 30mm, Shank $\phi$ 6mm	US\$2.5
ERM2220	22 x 20mm, Shank $\phi$ 6mm	US\$3.0
ERM2525	25 x 25mm, Shank $\phi$ 6mm	US\$3.5
ERM3030	30 x 30mm, Shank $\phi$ 6mm	US4.0
ERM4530	45 x 30mm, Shank $\phi$ 6mm	US\$5.5
ERM5040	50 x 40mm, Shank $\phi$ 6mm	
ERM5042	50 x 42mm, Shank $\phi$ 6mm	

## Expanding Rubber Drums



Expanding rubber drums are manufactured in various sizes including 75mm, 100mm and 150mm diameters to fit flexible diamond expanding rubber drum belts. These drums are suitable for use on handheld or stationary machines and when required a specially designed adaptor is available.

Heavy Duty Cushioned Drum	
CODE	SIZE
*BES580	ø75 x 38 x 25mm
*BES605	ø100 x 38 x 25mm
*BES520	ø150 x 38 x 50mm