COATED ABRASIVE SPECIALITIES

Quick Change DISCS
Specialities
Sanding Stars
Quick Change (Powerlok) Discs are a range of small abrasive discs ranging in sizes 19mm, 25mm, 38mm, 50mm, 75mm and 100mm. An outstanding quick-change sanding disc choice for general use applications, including blending light welds, breaking edges and removing parting lines and machine marks. These versatile discs can be used for working mild contours as well as flat surfaces and are most effective when used with pneumatic tools. The need for small finishing abrasive discs has increased to achieve the high standard of finish required in a modern world. One of the major reasons for the success and growth of these discs is the quick-change ability. Major abrasive users recognise that if a saving of 3 or 4 seconds per disc change can be achieved, the overall daily or weekly reduction in downtime can be enormous.

Powerlok discs come in a choice of three safe, easy-to-use fasteners:

- **Type 1**: snap-on/snap-off system using a nylon button
- **Type 2**: turn-on/turn-off system using a metal to metal fixing (Equivalent to Standard Abrasives’ Socatta® system)
- **Type 3**: roll-on/roll-off system using a nylon threaded male button (Equivalent to 3M™’s Roloc® system)

**Cloth and Fibre for sanding**

**ALUMINIUM OXIDE AL/OX**
- Most popular for general applications, mild steel, low carbon steel and other ferrous metals.
- Good performance and economical.
- Fast Cutting and long life.
- Available in Lantuck (edge wear resistance) and FX Cloth (flexibility) lamination.
- Can be used on flat or contoured surfaces.

**ALUMINIUM OXIDE AL/OX PLUS**
- Economic product for use on Steel and Alloys, Aluminium and heat-sensitive metals.
- Supersized coating with grinding aids running cooler and more efficiently.

**ZIRCONIA**
- High stock removal on Coarse grits, performs well on Stainless Steel.
- Zirconia’s inherent feature of cooler cutting when grinding makes it a much more durable and hard wearing grain than Aluminium Oxide and less likely to discolor Stainless Steel.
- Use heavy pressure for optimum performance.

**ZIRCONIA PLUS**
- High stock removal with cool action on stainless steel, titanium and nimonic.
- Supersized coating with grinding aids running cooler and more efficiently.
- High pressure required to get optimum performance.

**SG CERAMIC**
- Micron size particles break off during grinding producing many, new, self sharpening cutting points.
- Very high and fast stock removal on exotic and hard alloys, stainless steel and Titanium.
- Outlasts Al/Ox and Zirconia in many applications.
- Runs cooler than conventional Al/Ox and Zirconia.

**SILICON CARBIDE**
- Suitable for Titanium, Non Ferrous metals, Composites, PVC, Glass, rubber, plastics and carbon fibre products.
- Sharp Cutting.

**ZENITH FIBRE BACKING - CERAMIC**
- The fibre backing makes this product a tough performing disc resisting tearing which allows the product to perform to its optimum.
- Zenith SG Ceramic is perfect for those applications that require a firm aggressive disc and rapid stock removal.
- High pressure required for optimum performance.

**PowerLok Quick Change Discs**

**SCM Surface Blending Discs**
De-burring • Blending • Cleaning and corrosion removal

**Surface Blending: Abrasotex and AG**
2 main types of Surface Blending discs are available:
- **Abrasotex** = yields a consistent cut and finish, good lifetime.
- **AG** = high performance, longer lasting solution to a normal surface prep disc.
AG acts aggressively under high pressure and is perfect for heavier deburring and finishing applications (e.g. on Stainless Steel).

There are 3 colour coded grades available:
- **COARSE** (46 to 60 grit) - Brown
- **MEDIUM** (80 to 120 grit) - Maroon
- **VERY FINE** (180 to 240 grit) - Blue

**SCM: Buffing disc**
- Laminated to Lantuck backing for extra strength.
- Conforms to shapes and contours due to spring effect.
- Provides a uniform finish.

**SCM: White felt Polishing Disc**
- A white felt material ideal for polishing when used in combination with a variety of polishing compounds.
- 50 & 75mm diameter size only.
- Achieves spectacular results on a variety of metals such as Stainless steel or Aluminium.
UNITISED DISCS
- Constructed from compressed non woven web, specialised resin and grain to produce high performance finishing products.
- Excellent for light deburring of flashing and threads, blending alloys, polishing & finishing.
- Unitised discs are used widely in the preparation of metal surfaces.
- Unitised discs hold their shape well and do not undercut or gouge which limits accidental damage to the component.

MX DISCS
- Unique construction of multiple layers of cotton fibre.
- MX discs provide the ability to grind and finish in one action.
- Suitable for medium to light metal removal, deburring and finishing with excellent, cushioned grinding action.
- They remove small welds, blend machine marks and break edges.
- A very versatile disc that can increase productivity by reducing the number of process steps.
- On certain applications can last up to 10 times longer than regular discs but economically priced.
- Performs well grinding Stainless Steel, Composites and Aluminium.
- Non Clogging feature on Non-Ferrous metals is unique.

STRIPPA DISCS
- Nylon webbing construction provides a unique combination of aggressive performance, long life and improved finish.
- Ideal for surface refinishing, cleaning and blending and is a cost effective and safer alternative to a wire wheel.
- Excellent for rust, paint, scale & coatings removal on a variety of substrates including metal, stone, wood & plastics.
- Essential maintenance tool in shipyards, heavy plant engineering, steelworks and construction.
- Particularly efficient in Automotive After Market for removal of fillers and paint stripping.
- On certain applications can last up to 10 times longer than regular discs but economically priced.
- Performs well grinding Stainless Steel, Composites and Aluminium.
- Non Clogging feature on Non-Ferrous metals is unique.

Cartridge rolls
Cartridge Rolls are made up of rolls of Resin Bond Abrasive Cloth which allow a new cutting surface to be uncovered as the top layer is worn away.

They are available in 2 different shapes and in a wide variety of sizes and grades.

Cartridge Rolls are suitable for a range of applications including flash removal, polishing, edge breaking and removing machine tool marks. They are also especially good for reaching into corners. They are available in Aluminium Oxide - with a resin bond and also to special order in Silicon Carbide.

Many operations use straight cartridge and spiral rolls together. More flexible than a bonded mounted point and cause less chatter marks than a spirapland.

STRAIGHT SHAPED (PENCILS)
- Straight with no taper. Most popular.
- Wears to shape required.
- For sanding and polishing channels, fillets, recesses, side walls and bottoms of dead-end holes.

TAPER SHAPED (SPIRAPOINTS)
- Taper from Tip to Base.
- Particularly adaptable to grinding/polishing of channels, fillets, radii and small contours of metal parts.

SQUARE PADS
- With Square Pads, the corners wear down consistently exposing fresh abrasive - through time the pad becomes round for less stock removal.
- Grinds almost as fast as hard wheels, but they are much smoother and easier to control.
- For quick grind blending of difficult to access channels, fillets, corners or spotting flat surfaces.

CROSS PADS
- The shape of the Cross Pad enables you to see through to the contact area providing greater flexibility than square pads.
- Used for close-tolerance polishing of small radii and channels, deburring the ends, finishing bell-mouth configurations and when spotting on flat surfaces.

Table of grit availability

<table>
<thead>
<tr>
<th>Grain</th>
<th>24</th>
<th>36</th>
<th>40</th>
<th>50</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>150</th>
<th>180</th>
<th>240</th>
<th>320</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alox LB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alox FK Cloth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alox plus</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flex-edge Alox</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zirconia</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zirconia plus</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SG ceramic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silicon Carbide</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zenith fibre ceramic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SCM, AG and Buffing Discs available in Coarse, Medium and Very Fine. Unitised discs available in 2SFine, 2SMed and 6AMed

Check for availability

Trial kits available to purchase - allow testing of a variable range of shapes, grits and sizes.
OVERLAP SLOTTED DISCS

Our “2 to a set” disc configuration cuts on the inward motion only, while “4 to a set” configuration, assembled back to back, cuts on both the inward and outward motion. Used for rapid aggressive grinding, deburring, blending, finishing and polishing of cylinder walls, inside diameter of tubes, frontal and bottom areas of recesses and for chamfering drilled or stamped holes. Disc sets consist of two discs of the same diameter interlocked and joined by a fast-change eyelet. “4 to a set” available to special order. All discs are furnished with standard Quick-Change eyelet. Plain hole sizes must be specified.

BORE POLISHERS

Bore Polishes are a self-centring abrasive mop designed for internal grinding and polishing of cylinders and pipes (including stainless steel) where corrosion needs to be removed. They are a convenient way to remove scale, machine marks and rust to a high standard. The flaps expand to grind or polish the interior diameter covering the entire surface area with each pass.

- Wide Range of Flexible mops to suit most Internal grinding or polishing needs.
- Self-centring so pressure is applied equally to the full interior wall.
- Adjust automatically to interior diameter.
- Equal spacing between abrasive “leaves” eliminates heat build up.
- Scored and interleaved wheels available.
- Uniform Quality of internal finish.
- Vibration free operation.
- Fast cleaning, polishing and deburring of tubes and cylinders.
- Interleaved Bore Polishes polish & finish in one easy application.

SANDING STAR for Metal

The Sanding Star is the ideal tool for those difficult to access deburring and polishing applications. They remove sharp edges and flash which can cause manual handling problems (e.g. finger cuts) on irregular or awkward sized components. Made from flexible top quality Aluminium Oxide Abrasive Cloth, Sanding Stars are the ideal finishing product making the operator’s task easier.

- Top Quality Abrasive Cloth.
- Very flexible cloth used.
- Large selection of grades 80-600.
- Selection of sizes.
- Long lasting.
- Can enter into difficult area without destroying profile.
- Will achieve the finish you require.
- Can be used on small and large applications.

SANDING STAR for Wood / DIY

The Sanding Star is a new concept and is designed to sand wooden profile shapes with an electric drill or pneumatic tool. They are superb for sanding wood mouldings and painted surfaces.

SURFACE PREPARATION STAR

Surface Preparation Stars are the perfect item for small internal dimension work. Their shape enables you to penetrate the internal dimension and polish or clean the surface without disturbing any tolerances.

SPIRABANDS

Spirabands are made of Abrasive Cloth which is rolled and glued onto a Cotton Backing. Spirabands can be used on metals - steel, stainless steel etc., leather, glass, plastic and wood for paint stripping operations, surface cleaning and grinder applications. They can be used on electric or pneumatic power tools and must be fitted on the correct size serrated rubber holder.

- Easy to fit.
- Good access to curves / bends.
- Selection of materials and grades.
- Excellent blending & deburring tool.
- Strong construction gives an aggressive cut however rubber holder gives a forgiving finish.
- Large range of sizes.
- Low labour costs.
- Cuts down time on operation.
- Can achieve stock removal and good finish.
- Leaves a great preparation surface.
- Useful for many applications.

HOLDERS AND MANDRELS (HARDWARE)

A range of top quality Holders, Rubber Back up Pads and steel Mandrels to run the Coated Specialty products on your chosen tools.