Grinding Techniques dedication to ongoing technological innovation, and the use of only the finest specially engineered raw materials in production, ensures that our products are manufactured to the highest international standards. Our quality products, customer service and competitive pricing ensures complete customer satisfaction.

FLAP DISCS
for portable grinders

WHY YOU SHOULD BE USING

• Sandflex Flap Discs are designed for use on portable grinders and sanders, and are increasingly popular as an alternative to abrasive fibre discs. They complement the use of depressed centre grinding wheels, and are the preferred option on light gauge sheet metal or stainless steel where finish is important.

• Fast stock removal due to the 80m/sec. operating speed. This also makes the product suitable for rough grinding.

• In many cases the number of working processes are reduced - both rough and intermediate grinding can be done with the same Flap Disc.

• Flap Discs can last 20 to 30 times longer than Fibre Discs, but only cost between 10 to 15 times as much. You save in material costs, plus downtime whilst Fibre Discs are being changed.

• Constant rate of stock removal and consistent finish during the entire life of the abrasive flaps.

• Reinforced fibre back support eliminates the need for expensive back-up pads, as Flap Discs bolt directly onto the grinder. No back-up pad required.

• Multilayer abrasive grinding flap.

• Contamination free.

• Cool and soft cut, with less loading.

• The lighter pressures required for operation result in increased machine life and productivity.

• Competitively priced product which ensures value for money.

• Sandflex Flap Discs are manufactured by Grinding Techniques in South Africa.
**FLAP DISCS**

**TECHNICAL INFORMATION**

**FLAP DISCS**

**CHOICE OF GRIT SIZE**

- **As starting points, we recommend:**
  - Grit 24 and 40: for aluminium and other soft non-ferrous metals, wood, and plastics.
  - Grit 40 and 60: for alloyed and low-alloyed steels.
  - Grit 60 and 80: for high-alloyed, stainless, heat treatable steels, and high tensile non-ferrous metals.
  - Grit 120: for a fine finish of metal surfaces.

**SUGGESTED APPLICATIONS**

- **TYPE 27 - Flat**
  - Derby: derusting
  - Grinding castings
  - Grinding welds and corners
  - Light deburring of castings
  - Light gauge sheet metal
  - Wood
  - Flash removal
  - Weld removal
  - Stainless steel weld grinding
  - Paint removal
  - Body panels and filler
  - Most plastics

- **TYPE 29 - Angular**
  - Derusting
  - Grinding castings
  - Grinding welds and corners
  - Light deburring of castings
  - Light gauge sheet metal
  - Wood
  - Flash removal
  - Weld removal
  - Stainless steel weld grinding
  - Paint removal
  - Body panels and filler
  - Most plastics

**OPERATING INSTRUCTIONS**

- **NB.** Address the flap disc at an angle of 30º to the workpiece for stock removal. Lessen the angle for the final blending passes. Let the flap do the work, useless working pressure than for angle grinding discs for best grinding performance and flap disc life.

**GRIT CONVERSION**

- Always choose a Flap Disc at least ONE GRADE COARSER than the Fibre Disc being used to obtain a similar finish with the same aggression:
  - FIBRE DISC: P100 P80 P60 P36
  - FLAP DISC: P80 P60 P40 P24

**INDUSTRIAL RANGE**

- **MAXI-Flap Disc**
  - This new disc has 40% more abrasive strips than the standard disc which gives you the advantage of faster stock removal, smoother finishing, and an increased lifespan.
  - Available as a standard stock item in 115x22mm size for industrial use.

- **Aluminium Oxide abrasive** is preferred for DIY use as it is the most cost-effective product for most DIY applications.

- **Zirconium abrasive** is preferred for industrial use as it is the most cost-effective product for the entire spectrum of industrial applications, including stainless steel.