



# MATRIX

## Magnetic Grinding / Polishing Consumables

- **REDUCE COSTS**
- **REDUCE PREPARATION TIME**
- **REDUCE NUMBER OF GRINDING STEPS**
- **REDUCE WASTE**
- **REDUCE EDGE ROUNDING**
- **IMPROVE PLANARITY**
- **INCREASE STOCK REMOVAL RATE**
- **CONSTANT MATERIAL REMOVAL RATE**

The Matrix discs are available in a range of grit sizes from P80 to P1200. The unique result obtained is due to the use of high quality diamond, fixed in a special bonded formulation and to the geometry of the grinding surface.

They are fixed to the rotary platen using the magnetic principle which is the most efficient method and they are lubricated and flushed with water during use. They can be used on manual or automatic machines, and the resultant ground surface is very flat with minimal edge rounding and structural relief. Importantly, an extremely consistent scratch depth is achieved, which minimises subsequent polishing times.

### MATRIX 'P' DISCS

This product group is used for planar coarse/fine grinding, instead of traditional (SiC) abrasive papers. They are extremely hard wearing, and reduce the time taken in removing and replacing worn out SiC papers, which have a notoriously short life and continually change their grinding characteristics as they degrade.

### MATRIX 'S' / MATRIX 'G' DISCS

These products are used for coarse polishing with diamond suspension 15, 9 or 6 µm, applied as the abrasive polishing agent. The resultant surface of your specimen is then ready for final polishing.

**Matrix 'S'** is used for materials above 200VPN, and is appropriate for most ferrous, nickel and cobalt alloys.

**Matrix 'G'** is particularly suitable for materials softer than 200VPN, such as copper and aluminium alloys.

### CATALOGUE REFERENCE GUIDE

#### 200mm Diameter

Cat. No.	Description
12 20 00	Matrix P planar grinding disc, Magnetic P80
12 20 01	Matrix P planar grinding disc, Magnetic P120
12 20 02	Matrix P planar grinding disc, Magnetic P220
12 20 03	Matrix P planar grinding disc, Magnetic P600
12 20 04	Matrix P planar grinding disc, Magnetic P1200
12 20 10	Matrix S Fine grind disc, Magnetic
12 20 15	Matrix G Fine grind disc, Magnetic

#### 250mm Diameter

Cat. No.	Description
12 25 00	Matrix P planar grinding disc, Magnetic P80
12 25 01	Matrix P planar grinding disc, Magnetic P120
12 25 02	Matrix P planar grinding disc, Magnetic P220
12 25 03	Matrix P planar grinding disc, Magnetic P600
12 25 04	Matrix P planar grinding disc, Magnetic P1200
12 25 10	Matrix S Fine grind disc, Magnetic
12 25 15	Matrix G Fine grind disc, Magnetic

#### 300mm Diameter

Cat. No.	Description
12 30 00	Matrix P planar grinding disc, Magnetic P80
12 30 01	Matrix P planar grinding disc, Magnetic P120
12 30 02	Matrix P planar grinding disc, Magnetic P220
12 30 03	Matrix P planar grinding disc, Magnetic P600
12 30 04	Matrix P planar grinding disc, Magnetic P1200
12 30 10	Matrix S Fine grind disc, Magnetic
12 30 15	Matrix G Fine grind disc, Magnetic

