



POLINOX non-woven mounted grinding wheel PNG dia. 80x50 mm shank dia. 6 mm SIC180 for fine grinding and finishing

POLINOX non-woven mounted grinding wheel PNG dia. 80x50 mm shank dia. 6 mm SIC180 for fine grinding and finishing

Item number: [44640858](#)

EAN: [4007220738023](#)

POLINOX mounted grinding wheels consist of non-woven polyamide abrasive, into which abrasive grain is integrated. They are made of several very wavy arranged strips of non-woven abrasive material, wound around a core. The wavy structure of the non-woven abrasive material permits seamless brush matting of surfaces.

Technical information

Abrasive	Silicon carbide SiC/C
Dia. external	80 mm
Dia. shank	6 mm
Grit size	180
Length, shank	40
Max. RPM	7500 RPM
PFERD TOOLS type	PNG 8050/6 SiC 180
RPM, optimum	4000 RPM
Width	50 mm

Advantages

- ✔ Highly flexible, enabling optimal adjustment to the contour.
 - ✔ Cool grinding and low thermal load on the workpiece.
 - ✔ The open structure and high flexibility of the non-woven material prevents tool clogging.
-

Recommendations for use

- ✔ For the best results, use at a recommended cutting speed of 10-20 m/s. This provides an ideal compromise between stock removal rate, surface quality, thermal load on the workpiece and tool wear.
-

Safety notes

- ✔ The maximum permitted peripheral speed is 32 m/s.
 - ✔ For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
-

Materials that can be worked

- ✓ Aluminium
- ✓ Brass
- ✓ Bronze
- ✓ Cast steel
- ✓ Cobalt-based alloys
- ✓ Copper
- ✓ Fibre-reinforced thermosetting plastics (GRP, CRP)
- ✓ Hardened, heat-treated steels over 1.200 N/mm² (< 38 HRC)
- ✓ Nickel-based alloys (e.g. Inconell and Hastelloy)
- ✓ Stainless steel (INOX)
- ✓ Steel materials with a hardness > 54 HRC
- ✓ Steels up to 1,200 N/mm² (< 38 HRC)
- ✓ Thermoplastics
- ✓ Titanium
- ✓ Titanium alloys
- ✓ Zinc

Applications

- ✓ Cleaning
 - ✓ Deburring
 - ✓ Roughening
 - ✓ Step-by-step fine grinding
 - ✓ Structuring (matt finishing, brush matting and satin finishing)
 - ✓ Surface work
-

Drive types

- ✔ Drive spindle
 - ✔ Flexible shaft drive
 - ✔ Straight grinder
-



August Rüggeberg GmbH & Co. KG
Hauptstraße 13
51709 Marienheide

+49 2264 9-0

+49 2264 9-400

info@pferd.com