

## **POLIROLL PR cylindrical cartridge rolls dia. 6x35 mm hole dia. 3 mm aluminium oxide A80**



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Item number: [42810708](#)

EAN: [4007220152324](#)

For general grinding work on metals and other materials.

POLIROLL cartridge rolls consist of spirally wound, coated abrasives. The abrasive grain is embedded in the resinoid coating on the sturdy backing material, which achieves the best possible abrasive performance.

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### **Technical information**

Abrasive	Aluminium oxide A
Dia. external	6 mm
Grit size	80
Height	35 mm
Max. RPM	25000 RPM
RPM, optimum	20000 RPM

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### **Advantages**

- ✔ Consistently high grinding performance throughout its entire tool life thanks to ongoing exposure of fresh abrasive grain during application.
  - ✔ Secure fit when in use due to self-tensioning provided by grooved, conical arbor.
  - ✔ Easy tool change.
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## Recommendations for use

- ✓ Grind with the point rather than the flat surface so as not to damage the bond through the effect of heat.
  - ✓ Mount POLIROLL with the bonded side facing towards the arbor.
  - ✓ Use grinding oil that is suitable for the material in order to significantly increase the tool life and the abrasive performance of the tools.
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## Safety notes

- ✓ The maximum permitted peripheral speed is 11 m/s.
  - ✓ For safety reasons, the maximum permitted rotational speed indicated must never be exceeded.
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## Materials that can be worked

- ✓ Annealed cast iron
  - ✓ Brass
  - ✓ Cast steel
  - ✓ Copper
  - ✓ Fibre-reinforced thermosetting plastics (GRP, CRP)
  - ✓ Grey/nodular cast iron (GG/GJL, GGG/GJS)
  - ✓ Hardened, heat-treated steels over 1.200 N/mm<sup>2</sup> (< 38 HRC)
  - ✓ Stainless steel (INOX)
  - ✓ Steel materials with a hardness > 54 HRC
  - ✓ Steels up to 1,200 N/mm<sup>2</sup> (< 38 HRC)
  - ✓ Thermoplastics
  - ✓ Titanium
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## Applications

- ✓ Deburring
  - ✓ Leveling
  - ✓ Sharpening
  - ✓ Step-by-step fine grinding
  - ✓ Working on edges
  - ✓ Work on weld seams
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## Drive types

- ✓ Flexible shaft drive
  - ✓ Straight grinder
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