

DIAMOND AND SIC GRINDING DISCS

QATM extends its offering with the new diamond grinding discs POLARIS M, POLARIS H, QUASAR, VEGA and the SiC grinding disc POLARIS SIC. Diamond grain sizes ranging from 250 μm to 3 μm permit usage for planar and fine grinding. Thanks to different bonding systems a variety of materials can be prepared in a time- and cost-effective as well as environmentally friendly way.

Brilliant
results
guaranteed

Benefits:

- | Optimized planeness due to rigid steel back
- | Very long service life
- | High removal rate
- | Different bonding systems
- | Antiskid back coating
- | Grain sizes from 250 μm to 3 μm
- | $\varnothing$ 200 mm to $\varnothing$ 350 mm

At a glance

POLARIS H

Features	hard synthetic resin bond height of abrasive segments: approx. 0.4 mm long service life incl. cleaning stone
Applications	metals, ceramics, glass and plastics for material hardnesses >500 HV
Grain sizes	125 µm, 60 µm, 30 µm, 15 µm, 6 µm, 3 µm
Diameters	Ø 200 mm, Ø 250 mm, Ø 300 mm, Ø 350 mm

POLARIS M

Features	medium-hard synthetic resin bond height of abrasive segments: approx. 0.4 mm long service life incl. cleaning stone
Applications	metals, ceramics, glass and plastics for material hardnesses 250 - 600 HV
Grain sizes	60 µm, 30 µm, 15 µm, 6 µm, 3 µm
Diameters	Ø 200 mm, Ø 250 mm, Ø 300 mm, Ø 350 mm

QUASAR

Features	hard epoxy resin bond height of abrasive segments: approx. 0.4 mm very long service life high removal rate incl. dressing stone
Applications	hard metals and ceramics, planar and pre-grinding for material hardnesses >500 HV
Grain sizes	252 µm, 125 µm, 91 µm, 46 µm
Diameters	Ø 200 mm, Ø 250 mm, Ø 300 mm, Ø 350 mm

VEGA

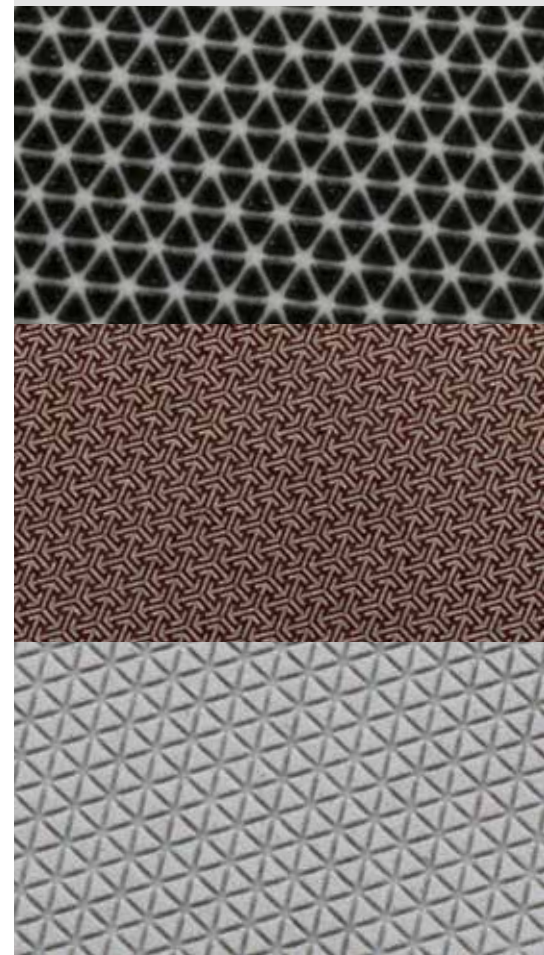
Features	nickel bond height of abrasive segments: 0.73-0.9 mm long service life high removal rate suitable for petrography
Applications	hard iron materials and rocks for planar grinding of different materials
Grain sizes	125 µm, 75 µm, 54 µm, 25 µm, 10 µm
Diameters	Ø 200 mm, Ø 250 mm, Ø 300 mm

POLARIS SIC

Features	synthetic resin bond height of abrasive segments: approx. 0.4 mm long service life incl. cleaning stone
Applications	soft materials, titanium materials, grinding paper applications for material hardnesses <300 HV
Grain sizes	120, 220, 500, 800, 1200
Diameters	Ø 200 mm, Ø 250 mm, Ø 300 mm, Ø 350 mm

Functional back coating

Thanks to a special back coating, adhesion of the grinding disc to the working wheel is improved. QATM's new grinding discs are compatible with all conventional magnetic systems.



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