

Highlights

- Enables short process times, flat surfaces and superior edge sharpness
- Allows high material removal rates and excellent surface qualities
- Prevents corrosion

Resin-bond diamond grinding pad

APOLLO-S

APOLLO-S is a self-sharpening, flexible diamond grinding pad for flat- and fine grinding applications, replacing traditional SiC paper pad in grinding of various materials. Precision graded diamond and optimized grit concentration lead to short process times, flat surfaces and superior edge sharpness.

Product specifications

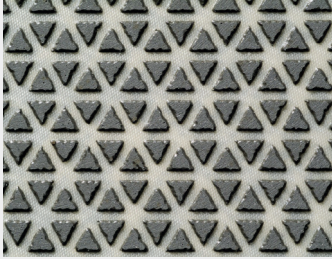
Diameter	200 / 250 / 300 / 350 / 400 mm one-piece for bigger diameters multi-piece (up to 760 mm)
Diamond size	125 µm / 75 µm / 54 µm / 18 µm
Bond type	plastic
Mounting	Stainless steel plate with special grip surface / flexible adhesive backing

Application recommendations

Max speed	15 m/s
Grinding pressure	5 – 7 N/cm ² for steel and comparable materials 13 N/cm ² for ceramics
Coolant	water
Typical applications	rough and fine grinding of non-metallic samples, embedded and non embedded samples

Self-sharpening

The APOLLO-S diamond grinding pads do not have to be dressed thanks to the self-sharpening effect. This prolongs the service life, minimizes costs and increases reproducibility.



Close-up grinding Pad APOLLO-S

Precision size range

Due to the narrow grain size spread, the number of particles with the same size is maximized, or fine and big grain fraction is reduced. This allows high material removal rates and excellent surface qualities.

Flexible backing

The flexible backing absorbs vibrations and reduces material fracturing, at the same time corrosion is prevented.

Usage indicator

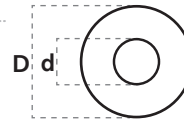
The surface of the diamond grinding pad turns white to indicate end of life.

Clean work

For cooling only running water is required. The pellets can be cleaned with a brush (without the addition of acid) under running water.

Order information

Order code APOLLO-S diamond grinding pad;
200 mm; 125 micron; self-adhesive (PSA)
Packing 1 piece / box
Diameter



Custom-engineered pads are available on request.

Examples

Diameter	Grit size	Diameter	Grit size
200 mm	125 Mikron	200 mm	54 Mikron
250 mm	125 Mikron	250 mm	54 Mikron
300 mm	125 Mikron	300 mm	54 Mikron
350 mm	125 Mikron	350 mm	54 Mikron
400 mm	125 Mikron	400 mm	54 Mikron
200 mm	75 Mikron	200 mm	18 Mikron
250 mm	75 Mikron	250 mm	18 Mikron
300 mm	75 Mikron	300 mm	18 Mikron
350 mm	75 Mikron	350 mm	18 Mikron
400 mm	75 Mikron	400 mm	18 Mikron

Larger diameters on request.



Pureon offers a wide range of customized solutions. Get in touch with us.

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