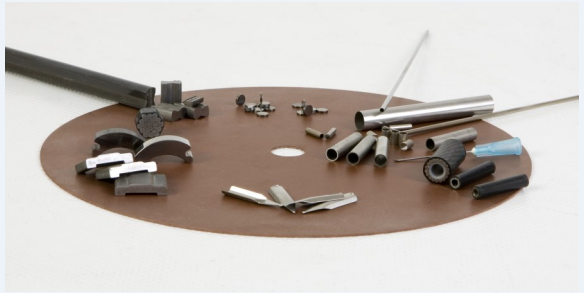
Resin Precision Cutting Wheels

Resin Bonded Precision Cutting Wheels are suitable for dry cutting applications including medical tubes, hypodermic needles and metallurgical sampling.
Also suitable for wet cutting applications.

Benefits

- Cost Effective Cutting
- Faster operation
- Minimum Heating
- Maximum Reduction of Burr
- Improved Efficiency



Availability

Grit Types:	A, WA, C and GC
Grit Sizes:	46 to 600 (FEPA)
Grade:	L, M, N, O, P, Q
Diameter:	From 22 to 355mm
Thickness:	From 0.1 to 2.0mm
Tolerance:	+/- 0.05mm

The åtto Abrasives product line includes, but is not limited to:

⇒ Centreless Regulating Wheels in Rubber and Cork Bond
⇒ Centreless Work Wheels
⇒ Rubber Bonded Grinding and Polishing Wheels
⇒ Polymer Bonded Super Finishing Wheels

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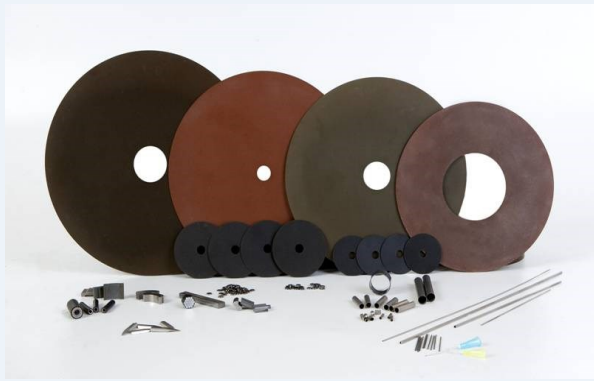
GLOBAL INNOVATIVE ABRASIVE SOLUTIONS



PRECISION CUTTING WHEELS

1. **Rubber Bonded**
2. **Resin Bonded**

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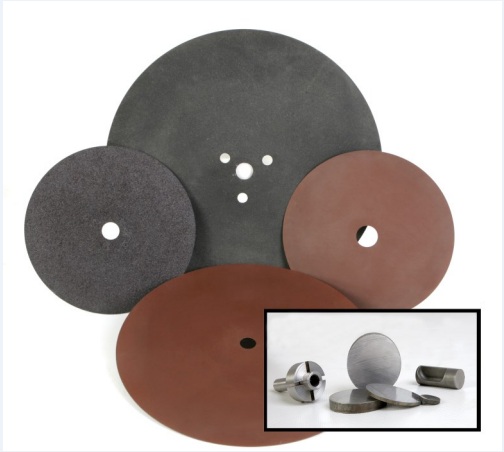
Web: www.attoabrasives.com

Rubber Bonded Precision Cutting Wheels

åtto Rubber Bonded Precision Cutting Wheels are formulated to cut a wide array of materials and are ideally suited for applications that require fast, accurate and consistent cutting with minimum heat build up.



Benefits

- Close Tolerances to Achieve Ultimate Precision
- Clean and Burr Free Cut
- No Alteration of Material Characteristics
- High Operating Speed
- Superior Finish
- Minimum Heating
- Long Wheel Life
- Cost Effective

Standard Dimensions

Diameter	Thickness	Thickness Tolerance*
50-75mm	0.1 to 0.8mm	+/- 0.025mm
100mm	0.12 to 0.8mm	+/- 0.025mm
125mm	0.2 to 0.8mm	+/- 0.025mm
150mm	0.25 to 0.8mm	+/- 0.025mm
175mm	0.35 to 0.8mm	+/- 0.025mm
200-300mm	0.5 to 2mm	+/- 0.075mm
300-610mm	0.8 to 3mm	+/- 0.125mm

*closer tolerances upon request

Availability

Grit Types:	A, WA, C and GC
Grit Sizes:	60 to 400 (FEPA)
Grades:	From E (soft) to V (hard)
Wheels are available grain-sided. Machining available (special faces for carding applications; coolant holes; etc.)	

Application Guide

Automotive and Aerospace Industry		
Application	**Material**	**Grade**
Contact Parts	Tungsten	A120-M
Sprag Clutches	Mild Steel	A120
Control Cables, Valves, Piston Ring Slotting	Hardened Steel, Plastic/Steel	A120-R-R, A150-M, A120-M
Fasteners	Titanium	A120-M-R
Forgings and Castings	Various	A90-F
Metallurgy	High Nickel Alloy, Titanium	A90-F-R35
Medical Industry		
Application	**Material**	**Grade**
Hypodermic Needles	Stainless Steel	WA400-N-R, A400-F
Dental Alloys, Ingots	Cobalt, Nickel	A150-M
Electrical Industry		
Application	**Material**	**Grade**
Transformer Cores	Epoxy Laminated Steel	A120-M-R50
Contacts, Wires	Tungsten, Silver, Molybdenum	A120-M-R60
Electrodes	Tungsten	A150-P-R48SP
Magnets	Alnico	C120-F-R35
Light Components	Tungsten, Nickel, Molybdenum	A90-M-R35
Thermocouples		C320-M-R60
Additional Applications		
Application	**Material**	**Grade**
Pen Nibs	Stainless Steel	A400
Collet Slotting	Mild Steel	A60-M-R40
Drill, Taps, End Mills	HSS	A120
Precision Tubes	Stainless Steel	A240, A400-O-RL85
Ejector Pins	Hardened Steel	A120-E-R218
Carding Wire		A120, A400-M-R60