

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
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Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
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Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	

Rubber Bonded Cut-Off wheels

Our Rubber Bonded Precision Cut-off wheels are formulated to cut a wide array of materials and are ideally suited for wet cutting applications that require:

- Fast,
- Accurate
- Consistent Cutting
- With minimum heat build up.

Our Rubber-Bonded cut-off range has been developed and perfected by our technical and R&D teams. To get the best product to suit your specific needs our technical team makes use of a wide variety of abrasive Grit types, sizes and grades to create the perfect cut-off wheel for your purpose.

These wheels are used for many applications across a range of industries. They are used within the aerospace and medical industries for cutting applications including the burr-free cutting of: – Precision Tubes, – Electrical Contacts, – Fasteners, – Control Cables, – Hypodermic Needles, – Collet Slotting & many more.

Benefits of the rubber-bonded cutting wheel include:

- Precise Burr Free Cut
- No Alteration of Material Characteristics
- High Operating Speed
- Superior Finish
- Minimum Heating
- Long Wheel Life
- Cost-Effective



PRECISION CUTTING WHEELS

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



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 atto 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

Rubber Bonded Precision Cutting Wheels

atto 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



Rubber bonded cut-off wheels

Rubber-Bonded cut-off range.

Our special Rubber Bonded cut-off wheels are part of the atto abrasive precision cutting range.

These rubber bonded cut-off wheels are specifically manufactured for the precision burr-free cutting of all Metallic types.

- Provide Burr free precision cutting
- Rubber Bonded & suitable for all Metallic types
- **Further sizes and specifications available upon request**

Description

Rubber-Bonded cut-off wheels **manufactured at atto Abrasives to meet your specific cutting requirements.**

These atto abrasives rubber bonded cut-off wheels are a part of the atto abrasives precision cutting

range. These cutting wheels or abrasive blades are designed to provide high quality sectioning results. This refers to cutting or sectioning with no burning and minimal surface deformation. This means that they are perfect for high precision cutting or Metallurgy Testing applications. These are applications where the integrity of the material being cut needs to be maintained. Abrasive cutting is the most common method of sectioning to achieve a clean and efficient cut.

- These cutting wheels are created for precision burr-free cutting
- Specifically designed for the cutting of any type of metallic material.
- Provides clean precise cuts due to product finesse.
- **Further sizes and specifications available upon request**
- Standard Tolerances $\pm 0.05\text{mm}$ (0.002")

Applications include Burr-free cutting of:

- Precision Tubes
 - Electrical Contacts
 - Fasteners
 - Control Cables
 - Hypodermic Needles
 - Pen Nibs
 - Collet Slotting
 - Others
-
- These products are available in a full range of specifications, abrasive grit types & sizes, just let us know your requirements.
 - Here at atto abrasives we can tailor all our products to suit any particular need & application.
 - **All our products can be customised to suit your particular process needs & applications.**



Rubber-Bonded cut-off wheels for all Metals

Metallurgical Consumables range.

Our special Rubber Bonded cut-off wheels are specifically manufactured for the precision cutting of all Metallic types.

- Provide Burr free precision cutting
- Rubber Bonded & suitable for all Metallic types
- *Safety Data sheet atto Abrasives rubber cut off MSDS 2017*
- **Further sizes and specifications available upon request**

Description

Rubber-Bonded cut-off wheels at åtto Abrasives we manufacture a range of Metallurgical Sampling to meet your requirements.

These atto Rubber Bonded consumables are a part of the atto abrasives metallurgical sampling range. These Rubber bonded consumables or abrasive blades are designed to provide high quality sectioning results with no burning and minimal surface deformation. They are perfect for high precision cutting or Metallurgy Testing applications where the integrity of the material being cut needs to be maintained. Abrasive cutting is the most common method of sectioning to achieve a clean and efficient cut. atto abrasive cut-off wheels are designed to provide high quality sectioning and cutting results with no burning and minimal surface deformation.

These Rubber bonded blades are designed to give a high cut quality and provide good lifetime. When carrying out cutting applications, to achieve a clean and efficient cut, a blade needs to break down. This is important as during cutting, this allows the exposure of new abrasive particles. Depending on the hardness of the material, the blade needs to break down at different rates. atto abrasive cutting wheels are developed for specific applications to ensure the proper rate of wear for your specific cutting application.

- These products are specialised cutting wheels for metallurgical sampling.
 - They are specifically designed for the cutting of any type of metallic material.
 - Provides clean precise cuts due to product finesse.
-
- **Further sizes and specifications available upon request**
 - Standard Tolerances for these products are +/- 0.05mm (0.002")
 - They are available in a full range of specifications, abrasive grit types & sizes, just let us know your requirements.
 - Here at atto abrasives we can tailor our products to suit any particular need & application.
 - **Customised to suit your particular process needs & applications.**

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