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Alumi13 and Mini Alumi 13 CATALOG with product examples



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Grinding Wheels for Aluminum

Alumi13 Mini Alumi13



Diameter
100mm



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Diameter
75mm



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Diameter
58mm

108039 Complete for grinding aluminum with this one!



The total stock removal of aluminum is
Approximately doubled!

(Compared to competitor's
General purpose grinding
Wheels)



Adding small diameter allows for work in detail
and narrow areas!

For grinding of aluminum castings

For deburring aluminum engine covers

For plating removal tasks for piping

For non-ferrous metals other than aluminum



Solving adhesion
and clogging easily



Also available for cooper alloys,
brass, bronze castings, etc.



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Breaking the Conventions of Aluminum

Demonstrates high grinding power almost without clogging and welding.
Alumi 13 makes grinding of non-ferrous metals, which was previously difficult to grind, comfortable.

Features 1

◆ **Solves adhesion and clogging problems unique to non-ferrous metals** such as aluminum through special treatment with paraffin wax!
Demonstrates high grinding power.

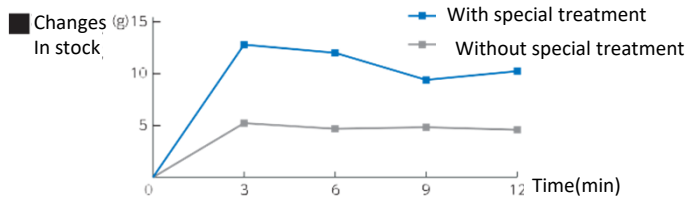
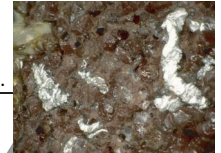
Less prone to welding and Clogging.

With special treatment

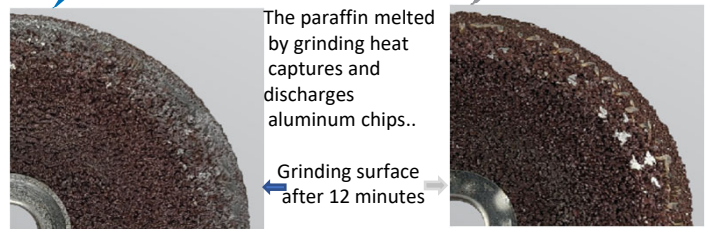


Welding of aluminum.

Without special treatment

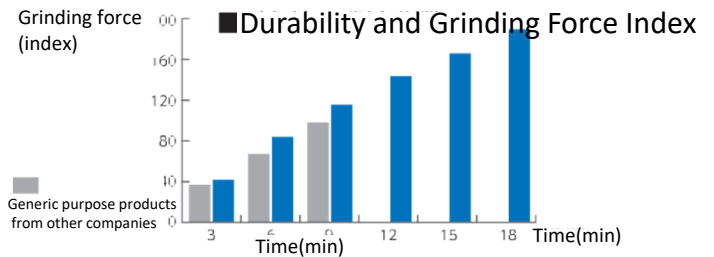


When grinding aluminum with a 75mm outer diameter grinding wheel.
※Our test data



Features 2

◆ Work rate per wheel **is about twice of competitor's general purpose products.** Achieving formidable grinding performance for aluminum!!
Excellent grinding performance continues.



	Alumi 13	Generic purpose products from other companies
Time to use up	18 minutes	9 minutes
Total Grinding Force Index	192	100

*The index on the graph is calculated based on grinding the corner of an aluminum measuring 300x9mm with a 180mm outer diameter wheel, setting the total stock removal of the competitor's general-purpose product as 100.
*Our test data

Features 3

◆ Suitable for not only aluminum but also **paint removal of galvanized steel pipe** easy to clog and weld!



- Carbon steel pipe for piping
- Galvanized steel pipe



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Applications

- Deburring and surface grinding of non-ferrous metals such as aluminum
- Plating removal before welding of carbon steel pipes for plumbing and galvanized steel pipes for water piping

Specifications

Diameter (mm)	Thickness (mm)	Bore (mm)	Grit	Packing Outer Box (pcs × inner box)	Maximum operation speed
100	6	16	36	200pcs (25pcs×8)	72m/s (4,300m/min)
180	6	22	36	50pcs (25pcs×2)	72m/s (4,300m/min)
58	3.5	9.53	36	50pcs (10pcs×5)	50m/s (3,000m/min)
75	4	9.53	36	50pcs (10pcs×5)	50m/s (3,000m/min)

⚠ Precautions

- When applying paint or similar coatings to the treated surface, there is a risk of peeling.
- The oil can be removed by applying calcium carbonate powder immediately after the work and wiping it off with a waste cloth.

Article



Diameter 100mm



Working surface



Working surface

Package



Inner box and outer box for diameter 100mm



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Product examples

1. Deburring and surface grinding in foundry industry



※This photo is for illustrative purposes.

Alumi 13 and Mini Alumi 13, which is less prone to clogging, is recommended for the deburring and surface grinding of copper alloy castings after mold removal. It eliminates adhesion and clogging through special treatment with paraffin wax.

Outer diameter: 58mm, 75mm, 100mm, 180mm are available depending on the grinder you use.
Grain size: #36 only

Alumi13 100x6x16 Grit #36
Alumi13 180x6x22 Grit #36
Mini Alumi 13 58x3x9.53 Grit #36
Mini Alumi 13 75x4x9.53 Grit #36

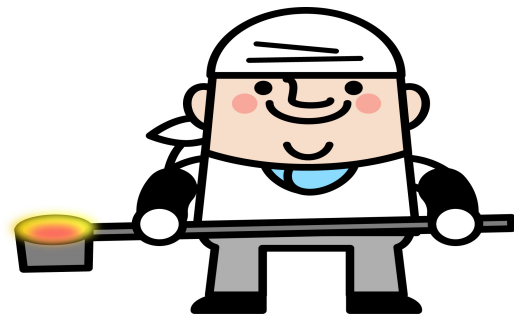
✓ Recommended points

- Non-clogging.
- Special treatment with paraffin wax.

2. Deburring of copper alloy casting after stripping a mold



※This photo is for illustrative purposes.



※This photo is for illustrative purposes.

For deburring of copper alloy casting after stripping a mold, we recommend Alumi 13. It eliminates adhesion and clogging through special treatment with paraffin wax.

Outer diameter: 100mm and 180mm are available depending on the grinder you use.
Grain size: #36 only

Alumi13 100x6x16 Grit #36
Alumi13 180x6x22 Grit #36

✓ Recommended points

- Non-clogging.
- Special treatment with paraffin wax.

Product examples

3.Plating removal before welding of the outer diameter of the steel pipes, and steel plates (Processing process of plated products)



Before use.

After use.

Are you having trouble like this?

Clogged wheel

High replacement frequency

Using a easily-wearing wheel to prevent clogging

Recommended for users with a high frequency of plating removal tasks and a priority on preventing clogging.

Products with minimal clogging are required for plating removal before welding of carbon steel pipes for plumbing and galvanized steel pipes for water piping. Alumi 13 and Mini Alumi 13 are recommended if you have a high volume of plating removal work and prioritize minimizing clogging. Non-clogging for sustained superior grinding performance.

Alumi13 100x6x16 Grit #36

Alumi13 180x6x22 Grit #36

Mini Alumi 13 58x3x9.53 Grit #36

Mini Alumi 13 75x4x9.53 Grit #36

✓ Recommended points

- Non-clogging.
- Special treatment with paraffin wax.



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