

## **Tungsten carbide high-performance burr ALU tree shape with radius end RBF dia. 12x25 mm shank dia. 6 mm aluminium/non-ferrous metals**



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PFERD TOOLS has further developed the ALU cut especially for stock removal on aluminium. This cut is characterized by its high stock removal rate.

Tree-shaped burr with radius end according to DIN 8032.

### **Technical information**

Cut	ALU
Dia. external	12 mm
Dia. shank	6 mm
Length, cut	25 mm
Length, total	65 mm
RPM, hard non-ferrous metals	16.000 - 30.000 RPM
RPM, soft non-ferrous metals	16.000 - 30.000 RPM
RPM, thermoplastics, fibre-reinforced plastics (GRP/CRP)	16.000 - 30.000 RPM
Radius corner design	2.5 mm

## Advantages

- ✓ Extremely high stock removal rate.
  - ✓ Large chips.
  - ✓ Reduced material adhesion.
  - ✓ Long tool life and smooth running.
  - ✓ Can be used with cutting speeds of up to 1,100 m/min.
  - ✓ The highly accurate concentricity enables impactfree working without creating chatter marks. This considerably reduces wear on the tool and tool drive.
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## Recommendations for use

- ✓ To prevent vibrations, place the tools on powerful drives with an elastically supported spindle wherever possible.
  - ✓ Observe the recommended rotational speeds.
  - ✓ If the smallest area of the burr diameter is being used, the recommended rotational speed can be increased accordingly.
  - ✓ To ensure costeffective use of burrs, use a higher rotational speed and cutting speed. Use burrs with a shank diameter of 6 mm with drives with a power output from 300 watts.
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## Materials that can be worked

- ✓ Aluminium
  - ✓ Brass
  - ✓ Bronze
  - ✓ Copper
  - ✓ Fibre-reinforced thermosetting plastics (GRP, CRP)
  - ✓ Hard aluminium alloys
  - ✓ Hard non-ferrous metal
  - ✓ Plastics
  - ✓ Soft aluminium alloys
  - ✓ Soft non-ferrous metal
  - ✓ Thermoplastics
  - ✓ Tough aluminium alloys
  - ✓ Zinc
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## Applications

- ✓ Cutting out holes
  - ✓ Deburring
  - ✓ Leveling
  - ✓ Milling
  - ✓ Milling out
  - ✓ Surface work
  - ✓ Work on weld seams
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## Drive types

- ✓ Automated centres
  - ✓ Drive spindle
  - ✓ Flexible shaft drive
  - ✓ Straight grinder
  - ✓ Tool machine
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TOOLS**



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