



Tungsten carbide high-performance burr ALU conical shape with radius end KEL dia. 12x30mm shank dia. 6mm for 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.

Conical burr with round radius end according to DIN 8032.

Technical information

Angle	14 °
Cut	ALU
Dia. external	12 mm
Dia. shank	6 mm
Length, cut	30 mm
Length, total	70 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	2.6 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

Applications

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

Drive types

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