

Tungsten carbide high-performance burr ALU tree shape with radius end RBF dia. 03x13mm shank dia. 3mm 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.

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

Technical information

Cut	ALU
Dia. external	3 mm
Dia. shank	3 mm
Length, cut	13 mm
Length, total	43 mm
RPM, hard non-ferrous metals	64.000 - 117.000 RPM
RPM, soft non-ferrous metals	64.000 - 117.000 RPM
RPM, thermoplastics, fibre-reinforced plastics (GRP/CRP)	64.000 - 117.000 RPM
Radius corner design	0.75 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 3 mm with drives with a power output of 75 to 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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