



Tungsten carbide burr ball KUD dia. 04x03 mm shank dia. 3 mm Z3P universal medium cross cut



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Cut 3 PLUS is cross cut and especially well-suited to machining of cast iron, steel, stainless steel (INOX), nickel-based alloys and titanium alloys. It is characterized by its high stock removal rate.

Tungsten carbide burrs for general applications are suitable for fine and coarse stock removal on the key materials used in industrial manufacturing. They provide a good stock removal rate and are not specific to a particular material.

Ball-shaped burr according to DIN 8032 with cut conforming to DIN 8033.

Technical information

Cut	3 PLUS
Dia. external	4 mm
Dia. shank	3 mm
Length, cut	3 mm
Length, total	34 mm
RPM, grey cast iron, white cast iron	36.000 - 48.000 RPM
RPM, hardened, heat-treated steels over 1,200 N/mm ²	20.000 - 28.000 RPM
RPM, high-temperature-resistant materials	19.904 - 36.000 RPM
RPM, rust and acid-resistant steels	20.000 - 28.000 RPM
RPM, steels up to 1,200 N/mm ²	36.000 - 48.000 RPM

Advantages

- ✓ Good stock removal rate through optimum matching of tungsten carbide, geometry, cut and available coating.
- ✓ Long tool life.
- ✓ The highly accurate concentricity enables impactfree working without creating chatter marks. This considerably reduces wear on the tool and tool drive.
- ✓ High surface quality.

Recommendations for use

- ✓ 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.

Materials that can be worked

- ✓ Annealed cast iron
 - ✓ Black annealed cast iron (GTS, GJMB)
 - ✓ Case-hardened steels
 - ✓ Cast iron
 - ✓ Cast steel
 - ✓ Cobalt-based alloys
 - ✓ Grey/nodular cast iron (GG/GJL, GGG/GJS)
 - ✓ Hard aluminium alloys
 - ✓ Hardened, heat-treated steels over 1.200 N/mm² (< 38 HRC)
 - ✓ High-temperature-resistant materials
 - ✓ Nickel-based alloys (e.g. Inconell and Hastelloy)
 - ✓ Stainless steel (INOX)
 - ✓ Steel
 - ✓ Steel, cast steel
 - ✓ Steels over 700 N/mm² (> 220 HB)
 - ✓ Steels up to 1,200 N/mm² (< 38 HRC)
 - ✓ Steels up to 700 N/mm² (< 220 HB)
 - ✓ Tool steels
 - ✓ White annealed cast iron (GTW, GJMW)
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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

- ✓ Drive spindle
 - ✓ Flexible shaft drive
 - ✓ Robot
 - ✓ Stationary machines
 - ✓ Straight grinder
 - ✓ Tool machine
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