



Tungsten carbide high-performance burr MICRO cylindrical with radius end WRC dia. 12x25 mm shank dia. 6 mm finishing

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Tungsten carbide burrs with the MICRO cut are specially designed for fine stock removal and are used in areas in which mounted/grinding points are used, for example. They offer a higher stock removal rate than mounted/grinding points and impress with their high surface quality. They also operate with low vibration and little noise. They maintain their geometry over their entire tool life, and are well-suited to manual and machine applications. Almost all materials up to a hardness of 68 HRC can be machined.

Cylindrical burr with radius end according to DIN 8032. Combination of cylindrical and ball-shaped geometries.

Technical information

Cut	MICRO
Dia. external	12 mm
Dia. shank	6 mm
Length, cut	25 mm
Length, total	65 mm
RPM, grey cast iron, white cast iron	16.000 - 20.000 RPM
RPM, hard non-ferrous metals	12.000 - 16.000 RPM
RPM, hardened, heat-treated steels over 1,200 N/mm ²	12.000 - 16.000 RPM
RPM, high-temperature-resistant materials	12.000 - 16.000 RPM
RPM, rust and acid-resistant steels	12.000 - 16.000 RPM
RPM, steels up to 1,200 N/mm ²	16.000 - 20.000 RPM

Advantages

- ✓ High surface quality.
- ✓ Unlike with mounted grinding points, there is no change in geometry due to wear and tear.
- ✓ Use on almost all materials up to 68 HRC.
- ✓ The highly accurate concentricity enables impactfree working without creating chatter marks. This considerably reduces wear on the tool and tool drive.

Recommendations for use

- ✓ Particularly well suited to finishing, for very fine cleaning work, corrections in tool and mould construction or for sharpening cutting tools.
 - ✓ To prevent vibrations, place the tools on powerful drives with an elastically supported spindle wherever possible.
 - ✓ Observe the recommended rotational speeds.
 - ✓ 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

- ✓ Annealed cast iron
 - ✓ Black annealed cast iron (GTS, GJMB)
 - ✓ Bronze
 - ✓ Case-hardened steels
 - ✓ Cast iron
 - ✓ Cast steel
 - ✓ Cobalt-based alloys
 - ✓ Grey/nodular cast iron (GG/GJL, GGG/GJS)
 - ✓ Hardened, heat-treated steels over 1.200 N/mm² (< 38 HRC)
 - ✓ Hard non-ferrous metal
 - ✓ 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)
 - ✓ Titanium
 - ✓ Titanium alloys
 - ✓ 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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