



Tungsten carbide concave radius burr EDGE V ECS dia. 16x12 mm shank dia. 6 mm work on edges

**Tungsten carbide concave radius burr EDGE V ECS dia.
16x12 mm shank dia. 6 mm work on edges**

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Tungsten carbide burrs with the EDGE cut have been especially developed for defined work on edges. The special design allows the burr to run directly along the edges without damaging the workpiece. In just one step, it is possible to achieve precise edge shapes. Among other things, rounding edges is a precautionary measure for anti-corrosion protection according to: ISO 129443, ISO 85013, SOLAS XII/6.3 (Ref. T4/3.01 MSC.1/Circ.1198).

Concave radius burrs for the production of precise radii. Suitable for the production and processing of 3 mm outer radii.

The EDGE Cutting System consists of burrs with the EDGE cut and a special guide sleeve that can be used on any commercially available drive to ensure optimal guidance during light deburring work.

Technical information

Cut	EDGE
Dia. ball bearing	10 mm
Dia. external	16 mm
Dia. shank	6 mm
Dia. sleeve	25 mm
Length, construction	24 mm
Length, cut	3 mm
Length, total	52 mm
PFERD TOOLS type	V 1612/6 EDGE R3,0 ECS
RPM, grey cast iron, white cast iron	12.000 - 18.000 RPM
RPM, hard non-ferrous metals	5.000 - 7.000 RPM
RPM, hardened, heat-treated steels over 1,200 N/mm ²	12.000 - 15.000 RPM
RPM, high-temperature-resistant materials	5.000 - 9.000 RPM
RPM, soft non-ferrous metals	12.000 - 18.000 RPM
RPM, steels up to 1,200 N/mm ²	12.000 - 18.000 RPM
Radius corner design	3 mm

Advantages

- ✓ Special design for precise guidance.
 - ✓ Safe and comfortable to guide.
 - ✓ Creates exact edge shapes in one single step.
 - ✓ The highly accurate concentricity enables impactfree working without creating chatter marks. This considerably reduces wear on the tool and tool drive.
 - ✓ Improved guidance.
 - ✓ Can be used with any conventional straight grinder.
 - ✓ Burr is interchangeable.
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Recommendations for use

- ✓ Use the burrs counter-rotationally. In order to produce a fine surface, finally pass them over the edges in the direction of rotation.
 - ✓ If possible, use burrs with the EDGE cut with the PFERD TOOLS compressed-air straight grinder PG 3/210 with the matching guide sleeve EFH PG 3/210.
 - ✓ If the smallest area of the burr diameter is being used, the recommended rotational speed can be increased accordingly.
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Ordering notes

- ✓ The EDGE Cutting System (ECS) burr can be reordered and replaced if required. Matching burr: Matching burr: V 1612/6 EDGE R3,0.
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Materials that can be worked

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

- ✓ Chamfering
 - ✓ Deburring
 - ✓ Milling
 - ✓ Rounding
 - ✓ Working on edges
 - ✓ Working on edges (chamfering, rounding)
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Drive types

- ✓ Flexible shaft drive
 - ✓ Robot
 - ✓ Stationary machines
 - ✓ Straight grinder
 - ✓ Tool machine
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**PFERD
TOOLS**



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