



Tungsten carbide high-performance burr STEEL conical shape with radius end KEL dia. 16x30 mm shank dia. 6 mm for steel



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Item number: [21125387](#)

EAN: [4007220003053](#)

With the innovative STEEL cut, PFERD TOOLS has developed unique burrs for working with steel and cast steel. They feature tangibly increased aggressiveness and good guidance. They thus ensure safe and precise work. Thanks to their extremely high stock removal rate, burrs with the STEEL cut help users save considerable time when working, thus making them an economically efficient option.

Conical burr with round radius end according to DIN 8032.

Technical information

Angle	14 °
Cut	STEEL
Dia. external	16 mm
Dia. shank	6 mm
Length, cut	30 mm
Length, total	70 mm
RPM, hardened, heat-treated steels over 1,200 N/mm ²	9.000 - 15.000 RPM
RPM, steels up to 1,200 N/mm ²	9.000 - 15.000 RPM
Radius corner design	4.8 mm

Advantages

- ✓ Up to 50 % higher stock removal rate when used on steel and cast steel in comparison to conventional cross-cut burrs.
- ✓ Tangibly more aggressive, large chips and very good chip removal through the innovative tooth geometry.
- ✓ Workpieces are protected through significantly lower thermal load.
- ✓ The highly accurate concentricity enables impactfree working without creating chatter marks. This considerably reduces wear on the tool and tool drive.

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.

Safety notes

- ✓ The very high stock removal rate can cause discolouration on the shank. This does not constitute a safety risk.
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Materials that can be worked

- ✓ Case-hardened steels
 - ✓ Cast steel
 - ✓ Hardened, heat-treated steels over 1.200 N/mm² (< 38 HRC)
 - ✓ 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
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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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