



Tungsten carbide high-performance burr set 1712 TOUGH 5-piece dia. 12 mm shank dia. 6 mm impact-resistant

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The TOUGH cut has been developed especially for tough applications in dockyards, foundries and steel construction. It is also ideal for use in all manufacturing sectors where, due to the difficult production environment, tooth breakages or other damage to conventional burrs is a frequent occurrence. Tungsten carbide burrs with the TOUGH cut are particularly aggressive and are characterized by high stock removal.

Set 1712 TOUGH contains five tungsten carbide burrs for tough applications in the most common shapes and dimensions. The sturdy plastic box protects the tools against dirt and damage. The burrs are secured at the shanks, facilitating the selection and withdrawal of the tools. Five further unused slots are available for other burrs.

Technical information

Cut	TOUGH
Dia. shank	6 mm
PFERD TOOLS type	1712 TOUGH

Advantages

- ✓ The innovative quick-mounting system ensures convenient handling and cool grinding.
- ✓ Minimized tooth chipping/breakage, splintering and burr failures due to very robust, high-performance cuts.
- ✓ Can also be used in low rotational speed ranges.
- ✓ Due to their extreme impact resistance, they are ideal for use as long-shank variants.
- ✓ The highly accurate concentricity enables impactfree working without creating chatter marks. This considerably reduces wear on the tool and tool drive.

Recommendations for use

- ✓ Observe the recommended rotational speeds.
 - ✓ The TOUGH cut can be used on materials up to 54 HRC. For harder materials, it is recommended to perform trials beforehand.
 - ✓ Tungsten carbide burrs with the TOUGH cut are also suitable for applications involving impact when using shank extensions, for applications with a high surface contact angle, for milling narrow contours, or for applications where high rotational speeds are not available.
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Materials that can be worked

- ✓ Annealed cast iron
- ✓ Black annealed cast iron (GTS, GJMB)
- ✓ Case-hardened steels
- ✓ Cast iron
- ✓ Cast steel
- ✓ Grey/nodular cast iron (GG/GJL, GGG/GJS)
- ✓ Hardened, heat-treated steels over 1.200 N/mm² (< 38 HRC)
- ✓ Steel
- ✓ Steel, cast steel
- ✓ Steel materials with a hardness > 54 HRC
- ✓ 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)

Applications

- ✓ Cutting out holes
- ✓ Deburring
- ✓ Leveling
- ✓ Milling
- ✓ Milling out
- ✓ Surface work
- ✓ Work on weld seams

Drive types

- ✓ Drive spindle
 - ✓ Flexible shaft drive
 - ✓ Straight grinder
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**PFERD
TOOLS**



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