

Garant
Solid carbide milling cutter TPC, TiAlN, Ø f8 DC: 6 mm

Order data

Order number	203077 6
GTIN	4045197657251
Item class	11X

Description
Version:

High-performance slot drill for machining materials up to 60 HRC, **specially designed for TPC applications.**

Strengthened core. With corner radii similar to torus cutters.

Note:

$h_{m \max}$: the values stated in the table are maximum values.

$a_{e \max} = 0.05 \times D$ for TPC machining.

Tolerance nominal Ø: f8

No. of teeth Z: 5

Helix angle: 45 degrees

Direction of infeed: horizontal and oblique

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 5

Flute length L_c : 18 mm

Overhang length L_1 incl. recess: 25 mm

Recess Ø D_1 : 5.8 mm

Overall length L: 62 mm

Shank Ø D_s : 6 mm

Technical description

Recess Ø D_1	5.8 mm
Overhang length L_1 incl. recess	25 mm
Average chip thickness h_{\max} for TPC milling in steel < 60 HRC	0.02 mm

Cutting edge Ø D _c	6 mm
No. of teeth Z	5
Shank Ø D _s	6 mm
Overall length L	62 mm
Flute length L _c	18 mm
Direction of infeed	horizontal and oblique
Shank	DIN 6535 HB to h6
Tolerance nominal Ø	f8
Balance quality with shank	G 2.5 with HB
Helix angle	45 degrees
Corner rounding r _v	0.1 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a _e for milling operation	0.05×D
Through-coolant	no
Machining strategy	TPC
Colour ring	red
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
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