

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

Order data

Order number	203102 6
GTIN	4045197814470
Item class	11X

Description
Version:

High-performance milling cutter with **irregular cutter spacing** and **irregular helical pitch**.
 Optimised bending strength due to the use of ultra-fine grain substrates.
 Offset chip separators.

Note:

$a_{e\max} = 0.1 \times D$ for TPC machining.

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

Tolerance nominal Ø: f8

No. of teeth Z: 7

Helix angle: 40 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: 7

Flute length L_c : 13 mm

Overhang length L_1 incl. recess: 19 mm

Recess Ø D_1 : 5.8 mm

Overall length L: 57 mm

Shank Ø D_s : 6 mm

Technical description

Overhang length L_1 incl. recess	19 mm
Balance quality with shank	G 2.5 with HB
Tolerance nominal Ø	f8

Corner chamfer width at 45°	0.12 mm
Direction of infeed	horizontal and oblique
Cutting edge $\varnothing D_c$	6 mm
No. of teeth Z	7
Recess $\varnothing D_1$	5.8 mm
Shank $\varnothing D_s$	6 mm
Overall length L	57 mm
Flute length L_c	13 mm
Shank	DIN 6535 HB to h6
Helix angle	40 degrees
Average chip thickness h_{max} for TPC milling in INOX < 900 N/mm ²	0.035 mm
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	0.1×D
Through-coolant	no
Machining strategy	TPC
Colour ring	blue
Type of product	End mill