

Garant

Solid carbide milling cutter with more chip separators TPC, TiAlN, Ø f8 DC: 5 mm



Order data

Order number	203093 5
GTIN	4045197953919
Item class	11X

Description

Version:

High-performance milling cutter specially designed for general-purpose TPC applications. Strengthened core.

Optimised bending strength due to the use of ultra-fine grain substrates.

Chip separator for controlled chip breaking.

Note:

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

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

Tolerance nominal Ø: f8

No. of teeth Z: 5

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: 5

Flute length L_c : 20 mm

Overall length L: 66 mm

Shank Ø D_s : 6 mm

Corner chamfer width at 45°: 0.1 mm

Average chip thickness h_{\max} for TPC milling in Toolox 44 HRC: 0.021 mm

Technical description

Shank	DIN 6535 HB to h6
Tolerance nominal Ø	f8

Direction of infeed	horizontal and oblique
Helix angle	40 degrees
No. of teeth Z	5
Corner chamfer width at 45°	0.1 mm
Balance quality with shank	G 2.5 with HB
Average chip thickness h_{max} for TPC milling in Toolox 44 HRC	0.021 mm
Flute length L_c	20 mm
Cutting edge $\varnothing D_c$	5 mm
Shank $\varnothing D_s$	6 mm
Overall length L	66 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	$0.05 \times D$
Through-coolant	no
Machining strategy	TPC
Colour ring	green
Type of product	End mill