

Garant

Solid carbide milling cutter with more chip separators TPC, TiAlN, Ø f8 DC: 20 mm



Order data

Order number	203093 20
GTIN	4045197953995
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 : 80 mm

Overall length L: 140 mm

Shank Ø D_s : 20 mm

Corner chamfer width at 45°: 0.4 mm

Average chip thickness h_{\max} for TPC milling in Toolox 44 HRC: 0.088 mm

Technical description

Helix angle	40 degrees
Average chip thickness h_{\max} for TPC milling in Toolox 44 HRC	0.088 mm

Overall length L	140 mm
Corner chamfer width at 45°	0.4 mm
Flute length L _c	80 mm
Direction of infeed	horizontal and oblique
Balance quality with shank	G 2.5 with HB
Shank	DIN 6535 HB to h6
Cutting edge Ø D _c	20 mm
No. of teeth Z	5
Tolerance nominal Ø	f8
Shank Ø D _s	20 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×D
Through-coolant	no
Machining strategy	TPC
Colour ring	green
Type of product	End mill