

Garant

Solid carbide milling cutter with more chip separators TPC, TiAlN, Ø f8 DC: 16 mm



Order data

Order number	203094 16
GTIN	4045197954039
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:

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

$a_{e\ max} = 0.03 \times D$ for TPC machining.

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: 136 mm

Shank Ø D_s : 16 mm

Corner chamfer width at 45°: 0.32 mm

Average chip thickness h_{max} for TPC milling in Toolox 44 HRC: 0.057 mm

Technical description

Cutting edge Ø D_c	16 mm
Overall length L	136 mm

Shank $\varnothing D_s$	16 mm
Helix angle	40 degrees
Flute length L_c	80 mm
No. of teeth Z	5
Balance quality with shank	G 2.5 with HB
Direction of infeed	horizontal and oblique
Tolerance nominal \varnothing	f8
Average chip thickness h_{max} for TPC milling in Toolox 44 HRC	0.057 mm
Shank	DIN 6535 HB to h6
Corner chamfer width at 45°	0.32 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	0.03×D
Through-coolant	no
Machining strategy	TPC
Colour ring	green
Type of product	End mill