

Garant

Solid carbide milling cutter TPC, TiAlN, Ø f8 DC: 16 mm



Order data

Order number	203102 16
GTIN	4045197814517
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 : 32 mm
 Overhang length L_1 incl. recess: 42 mm
 Recess Ø D_1 : 15.8 mm
 Overall length L: 92 mm
 Shank Ø D_s : 16 mm

Technical description

Cutting edge Ø D_c	16 mm
Shank	DIN 6535 HB to h6
Overall length L	92 mm

Shank $\varnothing D_s$	16 mm
Direction of infeed	horizontal and oblique
Tolerance nominal \varnothing	f8
Overhang length L_1 incl. recess	42 mm
Flute length L_c	32 mm
Balance quality with shank	G 2.5 with HB
No. of teeth Z	7
Recess $\varnothing D_1$	15.8 mm
Corner chamfer width at 45°	0.32 mm
Helix angle	40 degrees
Average chip thickness h_{max} for TPC milling in INOX < 900 N/mm ²	0.085 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

Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 16 mm

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