

Garant

Solid carbide milling cutter with more chip separators TPC, TiAlN, Ø f8 DC: 12 mm



Order data

Order number	203094 12
GTIN	4045197954022
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:

$a_{e\max} = 0.03 \times D$ 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 : 60 mm

Overall length L: 112 mm

Shank Ø D_s : 12 mm

Corner chamfer width at 45°: 0.24 mm

Average chip thickness h_{\max} for TPC milling in Toolox 44 HRC: 0.044 mm

Technical description

Average chip thickness h_{\max} for TPC milling in Toolox 44 HRC	0.044 mm
Corner chamfer width at 45°	0.24 mm

Cutting edge $\varnothing D_c$	12 mm
Overall length L	112 mm
Flute length L_c	60 mm
No. of teeth Z	5
Shank $\varnothing D_s$	12 mm
Shank	DIN 6535 HB to h6
Balance quality with shank	G 2.5 with HB
Direction of infeed	horizontal and oblique
Tolerance nominal \varnothing	f8
Helix angle	40 degrees
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	$0.03 \times D$
Through-coolant	no
Machining strategy	TPC
Colour ring	green
Type of product	End mill