

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



Order data

Order number	203093 12
GTIN	4045197953964
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:

 $a_{e \text{ max}} = 0.05 \times D$ 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: 48 mm Overall length L: 100 mm

Shank Ø D.: 12 mm

Corner chamfer width at 45°: 0.24 mm

Average chip thickness h_{max} for TPC milling in Toolox 44 HRC: 0.054 mm

Technical description

Cutting edge \emptyset D _c	12 mm
Shank	DIN 6535 HB to h6

Shank Ø D₅	12 mm
Direction of infeed	horizontal and oblique
Flute length L _c	48 mm
Corner chamfer width at 45°	0.24 mm
Average chip thickness h_{max} for TPC milling in Toolox 44 HRC	0.054 mm
Overall length L	100 mm
No. of teeth Z	5
Helix angle	40 degrees
Balance quality with shank	G 2.5 with HB
Tolerance nominal Ø	f8
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Туре	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