

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



Order data

Order number	203106 12
GTIN	4045197954053
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.

Chip separator for controlled chip breaking.

Note:

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

 $a_{e max} = 0.07 \times D$ for TPC machining.

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: 36 mm

Overhang length L₁ incl. recess: 45 mm

Recess \emptyset D₁: 11.8 mm Overall length L: 93 mm Shank \emptyset D₅: 12 mm

Technical description

Average chip thickness h _{max} for TPC milling in INOX < 900 N/mm ²	0.06 mm
Overhang length L₁ incl. recess	45 mm

Shank	DIN 6535 HB to h6
Tolerance nominal Ø	f8
Recess Ø D ₁	11.8 mm
Overall length L	93 mm
Shank Ø D₅	12 mm
Corner chamfer width at 45°	0.24 mm
Balance quality with shank	G 2.5 with HB
Cutting edge Ø D _C	12 mm
Direction of infeed	horizontal and oblique
Flute length L _c	36 mm
No. of teeth Z	7
Helix angle	40 degrees
Corner chamfer angle	45 degrees
Coating	TiAIN
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	0.07×D
Through-coolant	no
Machining strategy	TPC
Colour ring	blue
Type of product	End mill