

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

Order data

Order number	203091 16
GTIN	4045197814432
Item class	11X

Description
Version:

High-performance end mills for general-purpose machining, **specially designed for TPC applications.**

Strengthened core. Offset chip breaker. **Optimised bending strength** due to the use of ultra-fine grain substrates.

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

Average chip thickness $h_{\max}$ for TPC milling in Toolox 44 HRC	0.057 mm
Cutting edge Ø D_c	16 mm

Shank Ø D _s	16 mm
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal and oblique
No. of teeth Z	5
Tolerance nominal Ø	f8
Overall length L	136 mm
Flute length L _c	80 mm
Balance quality with shank	G 2.5 with HB
Corner chamfer width at 45°	0.32 mm
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×D
Through-coolant	no
Machining strategy	TPC
Colour ring	green
Type of product	End mill

Services

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

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