Garant

Solid carbide milling cutter with more chip separators TPC, TiAlN, ∅ f8 DC: 16 mm

Order data

Order number	203092 16
GTIN	4045197953896
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:
h_{max}: The values stated in the table are maximum values.
$a_{e\,max}$ = 0.07×D for TPC machining.
Tolerance nominal ∅: 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
Overhang length L_1 incl. recess: 55 mm
Recess ∅ D_1: 15.8 mm
Overall length L: 108 mm
Shank ∅ D_s: 16 mm

Technical description

No. of teeth Z	5
Direction of infeed	horizontal and oblique

Helix angle	40 degrees
Flute length L_c	48 mm
Shank ⌀ D_s	16 mm
Corner chamfer width at 45°	0.32 mm
Average chip thickness h_{max} for TPC milling in Toolox 44 HRC	0.078 mm
Overall length L	108 mm
Overhang length L_1 incl. recess	55 mm
Shank	DIN 6535 HB to h6
Tolerance nominal ⌀	f8
Balance quality with shank	G 2.5 with HB
Cutting edge ⌀ D_C	16 mm
Recess ⌀ D_1	15.8 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	0.07×D
Through-coolant	no
Machining strategy	TPC
Colour ring	green
Type of product	End mill