

Garant
Solid carbide milling cutter with chip separators TPC, TiAlN, Ø f8 DC: 5 mm

Order data

Order number	203019 5
GTIN	4045197779007
Item class	11X

Description
Version:

High-performance mills for machining stainless steels, **specially designed for TPC applications.**
Strengthened core.

Note:

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

$a_{e \max} = 0.08 \times D$ for TPC machining.

NEW GENERATION AVAILABLE!

Recommended successor product is No. 203103

Tolerance nominal Ø: f8

No. of teeth Z: 5

Helix angle: 45 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 : 17 mm

Overhang length L_1 incl. recess: 24 mm

Recess Ø D_1 : 4.8 mm

Overall length L: 62 mm

Shank Ø D_s : 6 mm

Technical description

Cutting edge Ø D_c	5 mm
Direction of infeed	horizontal and oblique
Balance quality with shank	G 2.5 with HB

Tolerance nominal \varnothing	f8
Recess $\varnothing D_1$	4.8 mm
Corner chamfer width at 45°	0.1 mm
Overhang length L_1 incl. recess	24 mm
Shank	DIN 6535 HB to h6
Flute length L_c	17 mm
No. of teeth Z	5
Shank $\varnothing D_s$	6 mm
Overall length L	62 mm
Average chip thickness h_{max} for TPC milling in INOX < 900 N/mm ²	0.03 mm
Average chip thickness h_{max} for TPC milling in INOX > 900 N/mm ²	0.025 mm
Helix angle	45 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	0.08×D
Through-coolant	no
Machining strategy	TPC
Colour ring	blue
Type of product	End mill