

## Garant

### Solid carbide milling cutter TPC, TiAlN, Ø f8 DC: 8 mm



#### Order data

Order number	203102 8
GTIN	4045197814487
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.  
Offset chip separators.

##### Note:

$a_{e\max} = 0.1 \times D$  for TPC machining.  
 $h_{\max}$ : The values stated in the table are maximum values.  
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  $L_c$ : 19 mm  
Overhang length  $L_1$  incl. recess: 25 mm  
Recess Ø  $D_1$ : 7.8 mm  
Overall length L: 63 mm  
Shank Ø  $D_s$ : 8 mm

#### Technical description

Direction of infeed	horizontal and oblique
Overhang length $L_1$ incl. recess	25 mm
Cutting edge Ø $D_c$	8 mm

Corner chamfer width at 45°	0.16 mm
Overall length L	63 mm
Balance quality with shank	G 2.5 with HB
Recess $\varnothing D_1$	7.8 mm
Flute length $L_c$	19 mm
Shank $\varnothing D_s$	8 mm
No. of teeth Z	7
Shank	DIN 6535 HB to h6
Tolerance nominal $\varnothing$	f8
Helix angle	40 degrees
Average chip thickness $h_{max}$ for TPC milling in INOX < 900 N/mm <sup>2</sup>	0.045 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	0.1×D
Through-coolant	no
Machining strategy	TPC
Colour ring	blue
Type of product	End mill