

## Garant

### Solid carbide roughing end mill HPC, TiAlN, Ø f8 DC: 6 mm



#### Order data

Order number	203041 6
GTIN	4045197510563
Item class	11X

#### Description

##### Version:

For **roughing and finishing**.

Up to 1.5xD into solid material **at very high feed rates** with smooth cutting action.

##### Advantage:

Optimised flute form, eccentric relief ground, wide chip space.

##### Note:

**NEW GENERATION AVAILABLE!**

**Recommended successor product is No. 203035.**

Tolerance nominal Ø: f8

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length  $L_c$ : 13 mm

Overhang length  $L_1$  incl. recess: 20 mm

Recess Ø  $D_1$ : 5.8 mm

Overall length L: 57 mm

Shank Ø  $D_s$ : 6 mm

#### Technical description

Cutting edge Ø $D_c$	6 mm
Overhang length $L_1$ incl. recess	20 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.04 mm

Recess $\varnothing D_1$	5.8 mm
Corner chamfer width at 45°	0.12 mm
No. of teeth Z	4
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.05 mm
Shank $\varnothing D_s$	6 mm
Overall length L	57 mm
Flute length $L_c$	13 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal $\varnothing$	f8
Helix angle	38 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 6527
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	0.3×D for side milling
Cutting width $a_e$ for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill

## Services

Shank recess Type FRST	209900 FRST
------------------------	-------------