



## Solid carbide roughing end mill HPC, TiXSi, Ø f8 DC: 16 mm



### Order data

Order number	203037 16
GTIN	4045197679307
Item class	12X

### Description

#### Version:

For **roughing and finishing**.

Up to 1×D into solid material **at very high feed rates** with smooth cutting action.

At maximum machining depths, ensure compliance with the ratio dimension  $L_c$  (cutting length) /  $\varnothing D_c$  (cutting  $\varnothing$ )!

#### Advantage:

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

Tolerance nominal  $\varnothing$ : 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  $L_c$ : 22 mm

Overall length L: 82 mm

Shank  $\varnothing D_s$ : 16 mm

Corner chamfer width at 45°: 0.3 mm

Feed  $f_z$  for slot milling in steel < 900 N/mm<sup>2</sup>: 0.08 mm

### Technical description

No. of teeth Z	4
Corner chamfer width at 45°	0.3 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.08 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.1 mm

Cutting edge $\varnothing D_c$	16 mm
Shank $\varnothing D_s$	16 mm
Overall length L	82 mm
Flute length $L_c$	22 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	TiXSi
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	0.5×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
Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 16 mm	SZ2025 16