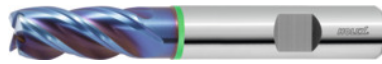




## Solid carbide roughing end mill HPC, TiXSi, Ø f8 DC: 20 mm



### Order data

Order number	203044 20
GTIN	4045197679437
Item class	12X

### Description

#### Version:

For **roughing and finishing**.

Up to  $1.5 \times D$  into solid material **at very high feed rates** with smooth cutting action.

#### Advantage:

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

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  $L_c$ : 41 mm

Overhang length  $L_1$  incl. recess: 52 mm

Recess Ø  $D_1$ : 19.5 mm

Overall length L: 104 mm

Shank Ø  $D_s$ : 20 mm

### Technical description

Corner chamfer width at 45°	0.3 mm
No. of teeth Z	4
Recess Ø $D_1$	19.5 mm
Overhang length $L_1$ incl. recess	52 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.13 mm

Cutting edge $\varnothing D_c$	20 mm
Feed $f_z$ for slot milling in steel $< 900 \text{ N/mm}^2$	0.1 mm
Shank $\varnothing D_s$	20 mm
Overall length L	104 mm
Flute length $L_c$	41 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	$0.3 \times D$ for side milling
Cutting width $a_e$ for milling operation	Full slot cutting depth $1 \times D$
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 20 mm	SZ2025 20