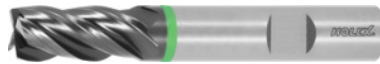




## End mill HSS-E-SPM HPC, TiAlN, Ø DC: 20 mm



### Order data

Order number	191637 20
GTIN	4045197838988
Item class	12W

### Description

#### Version:

Very high-performance substrate for machining steel and stainless steel materials.

Tolerance nominal  $\varnothing$ : 0 / -0.03

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 1835 B to h6

No. of teeth Z: 4

Flute length  $L_c$ : 38 mm

Overall length L: 104 mm

Shank  $\varnothing D_s$ : 20 mm

Feed  $f_z$  for side milling in steel < 1100 N/mm<sup>2</sup>: 0.075 mm

### Technical description

Shank	DIN 1835 B to h6
Tolerance nominal $\varnothing$	0 / -0.03
Feed $f_z$ for side milling in steel < 1100 N/mm <sup>2</sup>	0.075 mm
Cutting edge $\varnothing D_c$	20 mm
Shank $\varnothing D_s$	20 mm
Direction of infeed	horizontal, oblique and vertical
Flute length $L_c$	38 mm
Overall length L	104 mm

No. of teeth Z	4
Helix angle	38 degrees
Corner chamfer angle	45 degrees
Coating	TiAlN
Tool material	HSS E SPM
Standard	DIN 844 B
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width $a_e$ for milling operation	$0.5 \times D$ for side milling
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill