


**HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, Ø DC: 20 mm**

**Order data**

Order number	202416 20
GTIN	4045197776495
Item class	12X

**Description**
**Version:**

For **roughing and finishing**.

Up to  $0.7 \times D$  into solid material **at very high feed rates** with smooth cutting action.

**Advantage:**

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

Tolerance nominal  $\varnothing$ : 0 / -0.03

No. of teeth Z: 3

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 3

Flute length  $L_c$ : 38 mm

Overhang length  $L_1$  incl. recess: 70 mm

Recess  $\varnothing D_1$ : 19.5 mm

Overall length L: 126 mm

Shank  $\varnothing D_s$ : 20 mm

**Technical description**

Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.13 mm
Overall length L	126 mm
Cutting edge $\varnothing D_c$	20 mm
Tolerance nominal $\varnothing$	0 / -0.03
Recess $\varnothing D_1$	19.5 mm

Overhang length $L_1$ incl. recess	70 mm
Shank $\varnothing D_s$	20 mm
No. of teeth Z	3
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Feed $f_z$ for slot milling in steel $< 900 \text{ N/mm}^2$	0.09 mm
Flute length $L_c$	38 mm
Corner chamfer width at $45^\circ$	0.5 mm
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Series	HOLEX Pro Steel
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	$0.3 \times D$ 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 clamping flats for shrink-fit chucks, with retainer function Shank  $\varnothing$  tool 20 mm

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