


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

**Order data**

Order number	203058 20
GTIN	4045197947710
Item class	12X

**Description**
**Version:**

For **roughing and finishing**.

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

**Advantage:**

Optimised flute form, eccentric relief ground, generous chip spaces.

Tolerance nominal Ø: 0 / -0.03

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<sub>c</sub>: 60 mm

Overhang length L<sub>1</sub> incl. recess: 74 mm

Recess Ø D<sub>1</sub>: 19.5 mm

Overall length L: 126 mm

Shank Ø D<sub>s</sub>: 20 mm

**Technical description**

Recess Ø D <sub>1</sub>	19.5 mm
Cutting edge Ø D <sub>c</sub>	20 mm
Overall length L	126 mm
Overhang length L <sub>1</sub> incl. recess	74 mm
Shank	DIN 6535 HB to h6
Helix angle	38 degrees

Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.13 mm
Corner chamfer width at 45°	0.5 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.1 mm
Tolerance nominal $\varnothing$	0 / -0.03
Shank $\varnothing D_s$	20 mm
Flute length $L_c$	60 mm
No. of teeth Z	4
Direction of infeed	horizontal, oblique and vertical
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	0.25×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