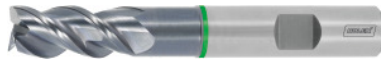



**HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, Ø DC: 20mm**

**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.

**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	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 / face mill

## User data

	Suitability	$V_c$	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable	240 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	220 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	170 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	150 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	80 m/min	M
GGG	suitable	190 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		

dry	suitable
Air	suitable