


**HOLEX Pro INOX solid carbide milling cutter HPC, AlCrN, Ø f8 DC: 20mm**

**Order data**

Order number	203015 20
GTIN	4045197773159
Item class	12X

**Description**
**Version:**

HPC milling cutters with **newly developed high-performance coating** for **outstanding tool working life** and **optimum metal removal rates** in a wide range of stainless steels. For use at **high cutting speeds**, particularly suitable even for steels up to approx. 1100 N/mm<sup>2</sup>.

Tolerance nominal Ø: f8

No. of teeth Z: 4

Helix angle: 35 °

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L<sub>c</sub>: 41 mm

Overhang length L<sub>1</sub> incl. recess: 52 mm

Recess Ø D<sub>1</sub>: 19.5 mm

Overall length L: 104 mm

Shank Ø D<sub>s</sub>: 20 mm

**Technical description**

Cutting edge Ø D <sub>c</sub>	20 mm
Feed f <sub>z</sub> for slot milling in stainless steel > 900 N/mm <sup>2</sup>	0.07 mm
Direction of infeed	horizontal, oblique and vertical
Recess Ø D <sub>1</sub>	19.5 mm
Flute length L <sub>c</sub>	41 mm
Overall length L	104 mm

Shank	DIN 6535 HB to h6
Feed $f_z$ for side milling in INOX > 900 N/mm <sup>2</sup>	0.08 mm
No. of teeth Z	4
Tolerance nominal $\varnothing$	f8
Corner chamfer width at 45°	0.3 mm
Overhang length $L_1$ incl. recess	52 mm
Shank $\varnothing D_s$	20 mm
Helix angle	35°
Corner chamfer angle	45°
Series	Pro Inox
Coating	AlCrN
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	0.4×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	blue
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	180 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	180 m/min	P

Steel < 1400 N/mm <sup>2</sup>	suitable only under restricted conditions	150 m/min	P
TOOLOX 33	suitable only under restricted conditions	115 m/min	H
TOOLOX 44	suitable only under restricted conditions	80 m/min	H
INOX < 900 N/mm <sup>2</sup>	suitable	100 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	85 m/min	M
Uni	suitable only under restricted conditions		
wet maximum	suitable		
wet minimum	Suitable		
dry	Suitable only under restricted conditions		
<b>Air Services</b>	Suitable		

Shank clamping flats for shrink-fit chucks, with retainer function Shank Ø tool 20 mm

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