


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

**Order data**

Order number	203013 20
GTIN	4045197849960
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>.

**Technical description**

No. of teeth Z	4
Cutting edge Ø D <sub>c</sub>	20 mm
Flute length L <sub>c</sub>	26 mm
Corner chamfer width at 45°	0.3 mm
Feed f <sub>z</sub> for side milling in INOX > 900 N/mm <sup>2</sup>	0.08 mm
Shank Ø D <sub>s</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
Tolerance nominal Ø	f8
Overall length L	92 mm
Shank	DIN 6535 HB to h6
Helix angle	35 degrees
Corner chamfer angle	45 degrees

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	0.5×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
Air	Suitable