


**HOLEX Pro INOX solid carbide milling cutter HPC, AlCrN, Ø e8 DC: 12mm**

**Order data**

Order number	202378 12
GTIN	4045197879554
Item class	12X

**Description**
**Version:**

HPC milling cutter with **newly developed high-performance coating** for **outstanding tool life** and **optimum metal removal rate** in a wide range of stainless steels.

Can be used at **high cutting speeds**, highly suitable even for steels up to approx. 1100 N/mm<sup>2</sup>.

**Technical description**

Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Corner chamfer width at 45°	0.3 mm
Recess Ø D <sub>1</sub>	11.6 mm
Feed f <sub>z</sub> for slot milling in stainless steel > 900 N/mm <sup>2</sup>	0.04 mm
Overhang length L <sub>1</sub> incl. recess	36 mm
Overall length L	83 mm
Cutting edge Ø D <sub>c</sub>	12 mm
No. of teeth Z	3
Flute length L <sub>c</sub>	26 mm
Feed f <sub>z</sub> for side milling in INOX > 900 N/mm <sup>2</sup>	0.05 mm
Shank Ø D <sub>s</sub>	12 mm
Tolerance nominal Ø	e8

Helix angle	35 degrees
Corner chamfer angle	45 degrees
Series	Pro Inox
Coating	AlCrN
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	Full slot cutting depth $1 \times D$
Cutting width $a_e$ for milling operation	$0.5 \times D$ for side milling
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 only under restricted conditions