


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

Order data

Order number	202382 12
GTIN	4045197879622
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/mm².

Technical description

Recess Ø D ₁	11.6 mm
Cutting edge Ø D _c	12 mm
Feed f _z for side milling in INOX > 900 N/mm ²	0.05 mm
No. of teeth Z	3
Overall length L	93 mm
Corner chamfer width at 45°	0.3 mm
Tolerance nominal Ø	e8
Feed f _z for slot milling in stainless steel > 900 N/mm ²	0.04 mm
Flute length L _c	36 mm
Shank Ø D _s	12 mm
Shank	DIN 6535 HB to h6
Overhang length L ₁ incl. recess	46 mm
Direction of infeed	horizontal, oblique and vertical

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	$0.3 \times D$ 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 ²	suitable	215 m/min	P
Steel < 750 N/mm ²	suitable	200 m/min	P
Steel < 900 N/mm ²	suitable	160 m/min	P
Steel < 1100 N/mm ²	suitable	160 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	135 m/min	P
TOOLOX 33	suitable only under restricted conditions	100 m/min	H
TOOLOX 44	suitable only under restricted conditions	70 m/min	H
INOX < 900 N/mm ²	suitable	90 m/min	M
INOX > 900 N/mm ²	suitable	75 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