


HOLEX Pro INOX solid carbide milling cutter HPC, AlCrN, Ø f8 DC: 12mm

Order data

Order number	203021 12
GTIN	4045197773197
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/mm².

Technical description

Overhang length L ₁ incl. recess	46 mm
Feed f _z for slot milling in stainless steel > 900 N/mm ²	0.04 mm
Feed f _z for side milling in INOX > 900 N/mm ²	0.05 mm
Shank Ø D _s	12 mm
No. of teeth Z	4
Corner chamfer width at 45°	0.3 mm
Overall length L	93 mm
Cutting edge Ø D _c	12 mm
Flute length L _c	36 mm
Shank	DIN 6535 HB to h6
Recess Ø D ₁	11.6 mm
Tolerance nominal Ø	f8
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	0.3×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 ²	suitable	240 m/min	P
Steel < 750 N/mm ²	suitable	220 m/min	P
Steel < 900 N/mm ²	suitable	180 m/min	P
Steel < 1100 N/mm ²	suitable	180 m/min	P
Steel < 1400 N/mm ²	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 ²	suitable	100 m/min	M
INOX > 900 N/mm ²	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