


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

Order data

Order number	202996 12
GTIN	4062406569181
Item class	12Y

Description
Version:

Outstanding tool life in its class for machining **corrosion-resistant steels** thanks to **innovative coating and geometry**. Especially for **stainless steels in the high-performance range**, e.g. duplex. **Optimal metal removal rate** due to **high cutting speeds**.

Technical description

Direction of infeed	horizontal, oblique and vertical
Cutting edge Ø D _c	12 mm
Corner chamfer width at 45°	0.3 mm
No. of teeth Z	4
Shank	DIN 6535 HB to h6
Shank Ø D _s	12 mm
Flute length L _c	36 mm
Feed f _z for slot milling in stainless steel > 900 N/mm ²	0.04 mm
Recess Ø D ₁	11.6 mm
Helix angle	38 degrees
Tolerance nominal Ø	e8
Overhang length L ₁ incl. recess	46 mm
Feed f _z for side milling in INOX > 900 N/mm ²	0.06 mm

Corner chamfer angle	45 degrees
Overall length L	93 mm
Series	Pro Inox
Coating	TiSiN
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	0,08×D
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