


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

Order data

Order number	202994 12
GTIN	4062406569129
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

Overall length L	83 mm
Corner chamfer angle	45 degrees
Shank Ø D _s	12 mm
Overhang length L ₁ incl. recess	36 mm
Cutting edge Ø D _c	12 mm
Direction of infeed	horizontal, oblique and vertical
Tolerance nominal Ø	e8
Recess Ø D ₁	11.6 mm
Feed f _z for side milling in INOX > 900 N/mm ²	0.06 mm
No. of teeth Z	4
Shank	DIN 6535 HB to h6
Corner chamfer width at 45°	0.3 mm
Helix angle	38 degrees

Flute length L_c	26 mm
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.045 mm
Series	Pro Inox
Coating	TiSiN
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	Full slot cutting depth $1 \times D$
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Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel $< 500 \text{ N/mm}^2$	suitable	240 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	220 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	180 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	180 m/min	P
Steel $< 1400 \text{ N/mm}^2$	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 $< 900 \text{ N/mm}^2$	suitable	100 m/min	M
INOX $> 900 \text{ N/mm}^2$	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