


HOLEX Pro INOX M solid carbide milling cutter HPC, TiSiN, Ø e8 DC: 4mm

Order data

Order number	202994 4
GTIN	4062406567378
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	57 mm
Corner chamfer angle	45 degrees
Direction of infeed	horizontal, oblique and vertical
Recess Ø D ₁	3.8 mm
Shank	DIN 6535 HB to h6
Corner chamfer width at 45°	0.1 mm
No. of teeth Z	4
Tolerance nominal Ø	e8
Helix angle	38 degrees
Cutting edge Ø D _c	4 mm
Feed f _z for side milling in INOX > 900 N/mm ²	0.015 mm
Shank Ø D _s	6 mm
Overhang length L ₁ incl. recess	17 mm

Flute length L_c	11 mm
Feed f_z for slot milling in stainless steel $> 900 \text{ N/mm}^2$	0.012 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 $1 \times D$
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	HPC
Colour ring	blue
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel $< 500 \text{ N/mm}^2$	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