HOLEX

HOLEX Pro INOX M solid carbide milling cutter HPC, TiSiN, ⌀ e8 DC: 3mm

Order data

Order number	202994 3
GTIN	4062406567361
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

No. of teeth Z	4
Flute length L_c	8 mm
Helix angle	38 degrees
Shank	DIN 6535 HB to h6
Corner chamfer angle	45 degrees
Shank ⌀ D_s	6 mm
Corner chamfer width at 45°	0.1 mm
Overall length L	57 mm
Direction of infeed	horizontal, oblique and vertical
Feed f_z for side milling in INOX > 900 N/mm^2	0.015 mm
Tolerance nominal ⌀	e8
Recess ⌀ D_1	2.8 mm
Cutting edge ⌀ D_C	3 mm

Overhang length L_1 incl. recess	13 mm
Feed f_z for slot milling in stainless steel > 900 N/mm²	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×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 N/mm²	suitable	240 m/min	P
Steel < 750 N/mm²	suitable	220 m/min	P
Steel < 900 N/mm²	suitable	180 m/min	P
Steel < 1100 N/mm²	suitable	180 m/min	P
Steel < 1400 N/mm²	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/mm²	suitable	100 m/min	M
INOX > 900 N/mm²	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