


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

Order data

Order number	202991 12
GTIN	4062406569013
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
Direction of infeed	horizontal, oblique and vertical
Flute length L_c	16 mm
Shank	DIN 6535 HB to h6
Overall length L	73 mm
Shank $\varnothing D_s$	12 mm
Corner chamfer width at 45°	0.3 mm
Helix angle	38 degrees
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.045 mm
Tolerance nominal \varnothing	e8
Corner chamfer angle	45 degrees
Feed f_z for side milling in INOX > 900 N/mm ²	0.06 mm
Cutting edge $\varnothing D_c$	12 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 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