



HOLEX Pro INOX solid carbide milling cutter with through-coolant HPC, AlCrN, Ø f8 DC: 12mm



Order data

Order number	203027 12
GTIN	4062406095543
Item class	12X

Description

Version:

HPC milling cutters with **newly developed high-performance coating** for **outstanding tool working life** and **optimum metal removal rates** in a wide range of stainless steels. For use at **high cutting speeds**, particularly suitable even for steels up to approx. 1100 N/mm².

With **internal coolant supply** for reliable swarf evacuation.

Tolerance nominal Ø: f8

No. of teeth Z: 4

Helix angle: 35 °

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c: 26 mm

Overhang length L₁ incl. recess: 36 mm

Recess Ø D₁: 11.6 mm

Overall length L: 83 mm

Shank Ø D_s: 12 mm

Technical description

Helix angle	35 °
Corner chamfer width at 45°	0.3 mm
Overall length L	83 mm
Overhang length L ₁ incl. recess	36 mm

Feed f_z for side milling in INOX > 900 N/mm ²	0.05 mm
Cutting edge $\varnothing D_c$	12 mm
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.04 mm
Shank $\varnothing D_s$	12 mm
Recess $\varnothing D_1$	11.6 mm
No. of teeth Z	4
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
Tolerance nominal \varnothing	f8
Flute length L_c	26 mm
Corner chamfer angle	45°
Series	Pro Inox
Coating	AlCrN
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	0.4×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	yes
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		
Air	suitable		

Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank Ø tool 12 mm

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