


HOLEX Pro INOX solid carbide milling cutter HPC, AlCrN, Ø e8 DC: 6mm

Order data

Order number	202382 6
GTIN	4045197879592
Item class	12X

Description
Version:

HPC milling cutter with **newly developed high-performance coating** for **outstanding tool life** and **optimum metal removal rate** in a wide range of stainless steels.

Can be used at **high cutting speeds**, highly suitable even for steels up to approx. 1100 N/mm².

Tolerance nominal Ø: e8

No. of teeth Z: 3

Helix angle: 35 °

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 3

Flute length L_c: 18 mm

Overhang length L₁ incl. recess: 24 mm

Recess Ø D₁: 5.8 mm

Overall length L: 62 mm

Shank Ø D_s: 6 mm

Technical description

Overall length L	62 mm
Corner chamfer width at 45°	0.1 mm
Tolerance nominal Ø	e8
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
Shank Ø D _s	6 mm

Overhang length L_1 incl. recess	24 mm
Flute length L_c	18 mm
Recess $\varnothing D_1$	5.8 mm
Feed f_z for side milling in INOX > 900 N/mm ²	0.03 mm
No. of teeth Z	3
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.025 mm
Cutting edge $\varnothing D_c$	6 mm
Helix angle	35 °
Corner chamfer angle	45 °
Series	Pro Inox
Coating	AlCrN
Tool material	Solid carbide
Standard	Manufacturer's standard
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
Cutting width a_e for milling operation	0.3×D for side milling
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	215 m/min	P
Steel < 750 N/mm ²	suitable	200 m/min	P
Steel < 900 N/mm ²	suitable	160 m/min	P
Steel < 1100 N/mm ²	suitable	160 m/min	P

Steel < 1400 N/mm ²	suitable only under restricted conditions	135 m/min	P
TOOLOX 33	suitable only under restricted conditions	100 m/min	H
TOOLOX 44	suitable only under restricted conditions	70 m/min	H
INOX < 900 N/mm ²	suitable	90 m/min	M
INOX > 900 N/mm ²	suitable	75 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		