

HOLEX
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.

Technical description

Helix angle	35 degrees
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 Ø D _c	12 mm
Feed f _z for slot milling in stainless steel > 900 N/mm ²	0.04 mm
Shank Ø D _s	12 mm
Recess Ø 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 degrees
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		