


HOLEX Pro INOX solid carbide milling cutter HPC, AlCrN, Ø e8 DC: 20mm

Order data

Order number	202378 20
GTIN	4045197879585
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.

Technical description

Direction of infeed	horizontal, oblique and vertical
Flute length L_c	41 mm
No. of teeth Z	3
Overall length L	104 mm
Cutting edge $\varnothing D_c$	20 mm
Tolerance nominal \varnothing	e8
Feed f_z for side milling in INOX > 900 N/mm ²	0.08 mm
Shank $\varnothing D_s$	20 mm
Corner chamfer width at 45°	0.3 mm
Recess $\varnothing D_1$	19.5 mm
Overhang length L_1 incl. recess	52 mm
Shank	DIN 6535 HB to h6
Feed f_z for slot milling in stainless steel > 900 N/mm ²	0.07 mm

Helix angle	35 degrees
Corner chamfer angle	45 degrees
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 $1 \times D$
Cutting width a_e for milling operation	$0.5 \times D$ 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	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