



HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, Ø DC: 20mm



Order data

Order number	203059 20
GTIN	4062406377229
Item class	12X

Description

Version:

For **roughing and finishing**.

Up to 0.5×D into solid material **at very high feed rates** with smooth cutting action. Extra-long version for avoiding interference contours.

Advantage:

Optimised flute form, eccentric relief ground, generous chip spaces.

Technical description

Corner chamfer angle	45 degrees
Corner chamfer width at 45°	0.3 mm
Cutting edge Ø D _c	20 mm
Overall length L	150 mm
Shank Ø D _s	20 mm
Feed f _z for slot milling in steel < 900 N/mm ²	0.09 mm
Tolerance nominal Ø	0 / -0.03
No. of teeth Z	4
Feed f _z for side milling in steel < 900 N/mm ²	0.11 mm
Flute length L _c	68 mm
Recess Ø D ₁	19.5 mm
Helix angle	38 degrees

Overhang length L_1 incl. recess	84 mm
Shank	DIN 6535 HA to h6
Direction of infeed	horizontal, oblique and vertical
Series	Pro Steel
Coating	TiAlN
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 $1 \times D$
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Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm ²	suitable	200 m/min	P
Steel < 750 N/mm ²	suitable	190 m/min	P
Steel < 900 N/mm ²	suitable	140 m/min	P
Steel < 1100 N/mm ²	suitable	120 m/min	P
INOX < 900 N/mm ²	suitable only under restricted conditions	60 m/min	M
GG(G)	suitable	200 m/min	K
Uni	suitable		
wet maximum	suitable		

wet minimum	suitable only under restricted conditions
dry	suitable
Air	suitable
Services	
Shank grinding Type HB	129100 HB