HOLEX

HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, ⌀ DC: 6mm

Order data

Order number	203059 6
GTIN	4062406377076
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.
Tolerance nominal ⌀: 0 / -0.03
No. of teeth Z: 4
Helix angle: 38 °
Direction of infeed: horizontal, oblique and vertical
Shank: DIN 6535 HA to h6
No. of teeth Z: 4
Flute length L_c: 22 mm
Overhang length L_1 incl. recess: 29 mm
Recess ⌀ D_1: 5.5 mm
Overall length L: 65 mm
Shank ⌀ D_s: 6 mm

Technical description

Shank ⌀ D_s	6 mm
Tolerance nominal ⌀	0 / -0.03
Direction of infeed	horizontal, oblique and vertical
Corner chamfer angle	45 °

Shank	DIN 6535 HA to h6
Feed f_z for side milling in steel < 900 N/mm²	0.04 mm
Overall length L	65 mm
Recess ⌀ D_1	5.5 mm
Flute length L_c	22 mm
No. of teeth Z	4
Corner chamfer width at 45°	0.1 mm
Feed f_z for slot milling in steel < 900 N/mm²	0.03 mm
Overhang length L_1 incl. recess	29 mm
Cutting edge ⌀ D_C	6 mm
Helix angle	38 °
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×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/mm²	suitable	200 m/min	P
Steel < 750 N/mm²	suitable	190 m/min	P

Steel < 900 N/mm²	suitable	140 m/min	P
Steel < 1100 N/mm²	suitable	120 m/min	P
INOX < 900 N/mm²	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