



HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, Ø DC: 5mm



Order data

Order number	202416 5
GTIN	4045197776341
Item class	12X

Description

Version:

For **roughing and finishing**.

Up to $0.7 \times D$ into solid material **at very high feed rates** with smooth cutting action.

Advantage:

Optimised flute form, eccentric relief ground, wide chip space.

Tolerance nominal \varnothing : 0 / -0.03

No. of teeth Z: 3

Helix angle: 45°

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 3

Flute length L_c : 13 mm

Overhang length L_1 incl. recess: 25 mm

Recess $\varnothing D_1$: 4.8 mm

Overall length L: 62 mm

Shank $\varnothing D_s$: 6 mm

Technical description

No. of teeth Z	3
Overall length L	62 mm
Tolerance nominal \varnothing	0 / -0.03
Corner chamfer width at 45°	0.2 mm
Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.03 mm

Direction of infeed	horizontal, oblique and vertical
Overhang length L_1 incl. recess	25 mm
Cutting edge $\varnothing D_c$	5 mm
Flute length L_c	13 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.05 mm
Shank	DIN 6535 HB to h6
Shank $\varnothing D_s$	6 mm
Recess $\varnothing D_1$	4.8 mm
Helix angle	45 °
Corner chamfer angle	45 °
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	0.3×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel $< 500 \text{ N/mm}^2$	suitable	240 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	220 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	170 m/min	P

Steel < 1100 N/mm ²	suitable	150 m/min	P
INOX < 900 N/mm ²	suitable only under restricted conditions	80 m/min	M
GGG	suitable	190 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable		
Air	suitable		