



HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, Ø DC: 12 mm



Order data

Order number	202416 12
GTIN	4045197776457
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 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 3

Flute length L_c : 26 mm

Overhang length L_1 incl. recess: 48 mm

Recess $\varnothing D_1$: 11.5 mm

Overall length L: 93 mm

Shank $\varnothing D_s$: 12 mm

Technical description

Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.09 mm
Overhang length L_1 incl. recess	48 mm
Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.06 mm
Overall length L	93 mm
Flute length L_c	26 mm

Shank	DIN 6535 HB to h6
Corner chamfer width at 45°	0.3 mm
Recess $\varnothing D_1$	11.5 mm
Cutting edge $\varnothing D_c$	12 mm
Direction of infeed	horizontal, oblique and vertical
Shank $\varnothing D_s$	12 mm
No. of teeth Z	3
Tolerance nominal \varnothing	0 / -0.03
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Series	HOLEX 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 mill

Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm

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