


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

**Order data**

Order number	203059 12
GTIN	4062406377106
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 Ø: 0 / -0.03

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length  $L_c$ : 33 mm

Overhang length  $L_1$  incl. recess: 54 mm

Recess Ø  $D_1$ : 11.5 mm

Overall length L: 100 mm

Shank Ø  $D_s$ : 12 mm

**Technical description**

Corner chamfer width at 45°	0.3 mm
Helix angle	38 degrees
Flute length $L_c$	33 mm
Recess Ø $D_1$	11.5 mm
Shank Ø $D_s$	12 mm

Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.07 mm
Cutting edge $\varnothing D_c$	12 mm
Tolerance nominal $\varnothing$	0 / -0.03
Overall length L	100 mm
Overhang length $L_1$ incl. recess	54 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.06 mm
Corner chamfer angle	45 degrees
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HA to h6
No. of teeth Z	4
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	Full slot cutting depth 1xD
Cutting width $a_e$ for milling operation	Full slot cutting depth 1xD
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	End mill