


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

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.

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	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 N/mm ²	suitable	240 m/min	P
Steel < 750 N/mm ²	suitable	220 m/min	P
Steel < 900 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