


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

Order data

Order number	203056 12
GTIN	4045197713131
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

Cutting edge Ø D_c	12 mm
No. of teeth Z	4
Corner chamfer width at 45°	0.3 mm
Feed f_z for side milling in steel < 900 N/mm ²	0.09 mm
Recess Ø D_1	11.5 mm
Overhang length L_1 incl. recess	48 mm
Feed f_z for slot milling in steel < 900 N/mm ²	0.07 mm
Shank Ø D_s	12 mm
Overall length L	93 mm
Flute length L_c	26 mm
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Tolerance nominal Ø	0 / -0.03

Helix angle	38 degrees
Corner chamfer angle	45 degrees
Series	Pro Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	0.25×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	260 m/min	P
Steel < 750 N/mm ²	suitable	240 m/min	P
Steel < 900 N/mm ²	suitable	180 m/min	P
Steel < 1100 N/mm ²	suitable	160 m/min	P
INOX < 900 N/mm ²	suitable only under restricted conditions	80 m/min	M
GG(G)	suitable	250 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable		

Air

suitable