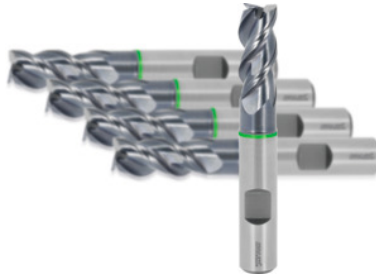



HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, Ø DC: 12mm

Order data

Order number	GG1414 12
GTIN	4045197908247
Item class	GGN

Description
Version:

For **roughing and finishing**.

Up to 1×D into solid material **at very high feed rates** with smooth cutting action.

Same as No. 202414.

Advantage:

Optimised flute form, eccentric relief ground, generous chip spaces.

Technical description

Direction of infeed	horizontal, oblique and vertical
No. of teeth Z	3
Recess Ø D ₁	11.5 mm
Feed f _z for side milling in steel < 900 N/mm ²	0.09 mm
Shank Ø D _s	12 mm
Shank	DIN 6535 HB to h6
Feed f _z for slot milling in steel < 900 N/mm ²	0.07 mm
Cutting edge Ø D _c	12 mm

Overall length L	83 mm
Tolerance nominal \varnothing	0 / -0.03
Corner chamfer width at 45°	0.3 mm
Flute length L_c	26 mm
Overhang length L_1 incl. recess	38 mm
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Contents	5
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	Full slot cutting depth 1xD
Cutting width a_e for milling operation	0.4xD for side milling
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		

Accessories

HOLEX Pro Steel solid carbide roughing end millHPC Ø DC
12 mm

202414 12