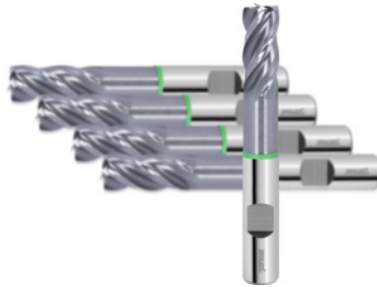



HOLEX Pro Steel solid carbide roughing end mill HPC, TiAlN, Ø DC: 12mm

Order data

Order number	GG1156 12
GTIN	4045197908674
Item class	GGN

Description
Version:

For **roughing and finishing**.

Up to $0.7 \times D$ into solid material **at very high feed rates** with smooth cutting action.

Same as No. 203056

Technical description

Recess $\varnothing D_1$	11.5 mm
No. of teeth Z	4
Overhang length L_1 incl. recess	48 mm
Flute length L_c	26 mm
Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.07 mm
Shank $\varnothing D_s$	12 mm
Shank	DIN 6535 HB to h6
Corner chamfer width at 45°	0.3 mm
Tolerance nominal \varnothing	0 / -0.03

Feed f_z for side milling in steel < 900 N/mm ²	0.09 mm
Cutting edge $\varnothing D_c$	12 mm
Direction of infeed	horizontal, oblique and vertical
Overall length L	93 mm
Helix angle	38 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	0.25×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
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

Accessories

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

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