

Garant

Solid carbide roughing end mill HPC, AlCrN, Ø e8 DC: 12 mm



Order data

Order number	203072 12
GTIN	4062406565190
Item class	11X

Description

Version:

For **roughing and finishing**. Up to 1.5xD into solid material **at very high feed rates** with smooth cutting action. Optimised end face geometry.

Application:

- **Optimised flute form, eccentric relief ground.**
- **Large flute profiles.**
- **Improved chip evacuation due to optimised end face geometry.**
- **Minimal wear due to sturdy cutting edges.**

Tolerance nominal Ø: e8

No. of teeth Z: 4

Helix angle: 38 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 26 mm

Overhang length L_1 incl. recess: 36 mm

Recess Ø D_1 : 11.7 mm

Overall length L: 83 mm

Shank Ø D_s : 12 mm

Technical description

Corner chamfer width at 45°	0.4 mm
No. of teeth Z	4
Flute length L_c	26 mm

Tolerance nominal \varnothing	e8
Feed f_z for side milling in steel < 900 N/mm ²	0.095 mm
Shank $\varnothing D_s$	12 mm
Overhang length L_1 incl. recess	36 mm
Direction of infeed	horizontal, oblique and vertical
Feed f_z for slot milling in steel < 900 N/mm ²	0.05 mm
Corner chamfer angle	45 degrees
Shank	DIN 6535 HB to h6
Recess $\varnothing D_1$	11.7 mm
Cutting edge $\varnothing D_c$	12 mm
Overall length L	83 mm
Helix angle	38 degrees
Coating	AlCrN
Tool material	solid carbide
Standard	DIN 6527
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	MTC
Colour ring	green
Type of product	End mill