

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

Order data

Order number	203071 12
GTIN	4045197776082
Item class	11X

Description
Version:

For **roughing and finishing** up to $0.7 \times D$ into solid material **at very high feed rates** with smooth cutting action.

For cutting force reduction and better surface quality due to **45° helix**.

Improved coating for a further reduction in cutting force combined with increased tool life.

Application:

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Tolerance nominal \varnothing : e8

No. of teeth Z: 4

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 4

Flute length L_c : 26 mm

Overhang length L_1 incl. recess: 73 mm

Recess $\varnothing D_1$: 11.6 mm

Overall length L: 120 mm

Shank $\varnothing D_s$: 12 mm

Technical description

Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.05 mm
Flute length L_c	26 mm
No. of teeth Z	4
Overall length L	120 mm

Shank	DIN 6535 HB to h6
Tolerance nominal \varnothing	e8
Direction of infeed	horizontal, oblique and vertical
Cutting edge $\varnothing D_c$	12 mm
Shank $\varnothing D_s$	12 mm
Balance quality with shank	G 2.5 with HB
Feed f_z for slot milling in steel < 900 N/mm ²	0.04 mm
Overhang length L_1 incl. recess	73 mm
Corner chamfer width at 45°	0.3 mm
Recess $\varnothing D_1$	11.6 mm
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	AlCrN
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	0.1×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

Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm

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