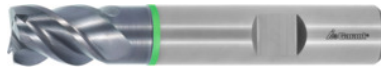


Garant
Solid carbide roughing end mill MTC, AlCrN, Ø e8 DC: 4 mm

Order data

Order number	203051 4
GTIN	4045197774279
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.

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 Ø: 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: 8 mm

Overhang length L₁ incl. recess: 14 mm

Recess Ø D₁: 3.8 mm

Overall length L: 54 mm

Shank Ø D_s: 6 mm

Technical description

Recess Ø D ₁	3.8 mm
Tolerance nominal Ø	e8
Direction of infeed	horizontal, oblique and vertical

Flute length L_c	8 mm
Overall length L	54 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.058 mm
Balance quality with shank	G 2.5 with HB
Overhang length L_1 incl. recess	14 mm
Shank $\varnothing D_s$	6 mm
Cutting edge $\varnothing D_c$	4 mm
No. of teeth Z	4
Corner chamfer width at 45°	0.1 mm
Shank	DIN 6535 HB to h6
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	$0.5 \times D$ for side milling
Cutting width a_e for milling operation	Full slot cutting depth $1 \times D$
Through-coolant	no
Machining strategy	MTC
Colour ring	green
Type of product	End mill