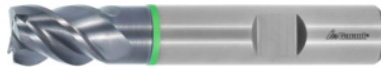


**Garant**
**Solid carbide roughing end mill MTC, AlCrN, Ø e8 DC: 3 mm**

**Order data**

Order number	203051 3
GTIN	4045197774262
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  $L_c$ : 5 mm

Overhang length  $L_1$  incl. recess: 10 mm

Recess Ø  $D_1$ : 2.8 mm

Overall length L: 50 mm

Shank Ø  $D_s$ : 6 mm

**Technical description**

Balance quality with shank	G 2.5 with HB
Recess Ø $D_1$	2.8 mm
Overall length L	50 mm

Overhang length $L_1$ incl. recess	10 mm
Feed $f_z$ for side milling in steel $< 900 \text{ N/mm}^2$	0.058 mm
Cutting edge $\varnothing D_c$	3 mm
Shank $\varnothing D_s$	6 mm
Shank	DIN 6535 HB to h6
Tolerance nominal $\varnothing$	e8
No. of teeth Z	4
Flute length $L_c$	5 mm
Corner chamfer width at $45^\circ$	0.1 mm
Direction of infeed	horizontal, oblique and vertical
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