

**Garant**
**Solid carbide milling cutter MTC, AlCrN, Ø f8 DC: 4,5 mm**

**Order data**

Order number	202396 4,5
GTIN	4045197857491
Item class	11X

**Description**
**Version:**

**Special flute profile. Strengthened core.**

**MTC rough milling up to 1.5×D in solid material.**

**Eccentric relief ground.**

Lengths similar to **DIN 6527 long**.

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: f8

No. of teeth Z: 3

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: 3

Flute length  $L_c$ : 13 mm

Overhang length  $L_1$  incl. recess: 19 mm

Recess Ø  $D_1$ : 4.4 mm

Overall length L: 57 mm

Shank Ø  $D_s$ : 6 mm

**Technical description**

Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.048 mm
Corner chamfer width at 45°	0.1 mm
Cutting edge Ø $D_c$	4.5 mm

Tolerance nominal $\varnothing$	f8
Direction of infeed	horizontal, oblique and vertical
Shank	DIN 6535 HB to h6
Flute length $L_c$	13 mm
Overall length L	57 mm
Feed $f_z$ for slot milling in steel $< 900 \text{ N/mm}^2$	0.04 mm
No. of teeth Z	3
Shank $\varnothing D_s$	6 mm
Overhang length $L_1$ incl. recess	19 mm
Recess $\varnothing D_1$	4.4 mm
Balance quality with shank	G 2.5 with HB
Helix angle	45 degrees
Corner chamfer angle	45 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	Full slot cutting depth $1 \times D$
Cutting width $a_e$ for milling operation	$0.5 \times D$ for side milling
Through-coolant	no
Machining strategy	MTC
Colour ring	green
Type of product	End mill