

**Garant**
**Solid carbide milling cutter MTC, AlCrN, Ø f8 DC: 16 mm**

**Order data**

Order number	202396 16
GTIN	4045197858238
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  $L_c$ : 32 mm

Overhang length  $L_1$  incl. recess: 42 mm

Recess Ø  $D_1$ : 15.5 mm

Overall length L: 92 mm

Shank Ø  $D_s$ : 16 mm

**Technical description**

Flute length $L_c$	32 mm
Balance quality with shank	G 2.5 with HB
Tolerance nominal Ø	f8

Overhang length $L_1$ incl. recess	42 mm
Corner chamfer width at 45°	0.2 mm
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.096 mm
Feed $f_z$ for slot milling in steel < 900 N/mm <sup>2</sup>	0.08 mm
Shank $\varnothing D_s$	16 mm
Cutting edge $\varnothing D_c$	16 mm
Overall length L	92 mm
No. of teeth Z	3
Recess $\varnothing D_1$	15.5 mm
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
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×D
Cutting width $a_e$ for milling operation	0.5×D for side milling
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 16 mm

SZ2025 16

