

**Garant**
**Solid carbide milling cutter MTC, AlCrN, Ø f8 DC: 7,5mm**

**Order data**

Order number	202396 7,5
GTIN	4045197858153
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.

**Technical description**

Shank	DIN 6535 HB to h6
Feed $f_z$ for side milling in steel < 900 N/mm <sup>2</sup>	0.048 mm
Balance quality with shank	G 2.5 with HB
Tolerance nominal Ø	f8
No. of teeth Z	3
Shank Ø $D_s$	8 mm
Cutting edge Ø $D_c$	7.5 mm
Corner chamfer width at 45°	0.2 mm
Overall length L	63 mm
Direction of infeed	horizontal, oblique and vertical
Overhang length $L_1$ incl. recess	25 mm

Recess $\varnothing D_1$	7.3 mm
Flute length $L_c$	19 mm
Feed $f_z$ for slot milling in steel $< 900 \text{ N/mm}^2$	0.04 mm
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 / face mill

## User data

	Suitability	$V_c$	ISO code
Steel $< 500 \text{ N/mm}^2$	suitable	250 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	220 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	200 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	190 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable	170 m/min	P
Steel $< 55 \text{ HRC}$	suitable	90 m/min	H
Steel $< 60 \text{ HRC}$	suitable	60 m/min	H
INOX $< 900 \text{ N/mm}^2$	suitable	130 m/min	M
INOX $> 900 \text{ N/mm}^2$	suitable	100 m/min	M

Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	50 m/min	S
GG(G)	suitable	160 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	Suitable		
Air	Suitable		