

Garant
Solid carbide milling cutter MTC, AlCrN, Ø f8 DC: 1mm

Order data

Order number	202396 1
GTIN	4045197854568
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 °

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: 2.5 mm

Overhang length L₁ incl. recess: 5 mm

Recess Ø D₁: 0.95 mm

Overall length L: 57 mm

Shank Ø D_s: 6 mm

Technical description

Balance quality with shank	G 2.5 with HB
Shank Ø D _s	6 mm
No. of teeth Z	3

Overhang length L_1 incl. recess	5 mm
Tolerance nominal \varnothing	f8
Shank	DIN 6535 HB to h6
Direction of infeed	horizontal, oblique and vertical
Cutting edge $\varnothing D_c$	1 mm
Feed f_z for side milling in steel $< 900 \text{ N/mm}^2$	0.012 mm
Overall length L	57 mm
Feed f_z for slot milling in steel $< 900 \text{ N/mm}^2$	0.01 mm
Recess $\varnothing D_1$	0.95 mm
Flute length L_c	2.5 mm
Helix angle	45°
Corner chamfer angle	45°
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 N/mm ²	suitable	200 m/min	P
Steel < 1100 N/mm ²	suitable	190 m/min	P
Steel < 1400 N/mm ²	suitable	170 m/min	P
Steel < 55 HRC	suitable	90 m/min	H
Steel < 60 HRC	suitable	60 m/min	H
INOX < 900 N/mm ²	suitable	130 m/min	M
INOX > 900 N/mm ²	suitable	100 m/min	M
Ti > 850 N/mm ²	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		