

Garant
Solid carbide milling cutter MTC, AlCrN, Ø f8 DC: 3,5mm

Order data

Order number	202391 3,5
GTIN	4062406270803
Item class	11X

Description
Version:
Special flute profile. Strengthened core.
MTC rough milling up to 1.5×D in solid material.
Eccentric relief ground.

 Particularly sturdy due to short overall length. Overall length similar to **DIN 6527 short**.

Application:

 Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

Technical description

Shank	DIN 6535 HA to h6
Tolerance nominal Ø	f8
Overall length L	54 mm
Helix angle	45 degrees
Overhang length L ₁ incl. recess	13 mm
Corner chamfer width at 45°	0.08 mm
Direction of infeed	horizontal, oblique and vertical
Feed f _z for slot milling in steel < 900 N/mm ²	0.02 mm
Balance quality with shank	G 2.5 with HA
Feed f _z for side milling in steel < 900 N/mm ²	0.024 mm
Shank Ø D _s	6 mm

Flute length L_c	6 mm
Cutting edge $\varnothing D_c$	3.5 mm
No. of teeth Z	3
Recess $\varnothing D_1$	3.3 mm
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 $1 \times D$
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Through-coolant	no
Machining strategy	MTC
Colour ring	green
Type of product	End / face mill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm ²	suitable	250 m/min	P
Steel < 750 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		