

Garant**Solid carbide milling cutter MTC, AlCrN, Ø f8 DC: 12mm****Order data**

Order number	202391 12
GTIN	4062406270889
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**

Helix angle	45 degrees
Feed f_z for slot milling in steel < 900 N/mm ²	0.06 mm
Balance quality with shank	G 2.5 with HA
No. of teeth Z	3
Corner chamfer width at 45°	0.15 mm
Shank	DIN 6535 HA to h6
Flute length L_c	16 mm
Recess Ø D_1	11.8 mm
Shank Ø D_s	12 mm
Cutting edge Ø D_c	12 mm
Overall length L	73 mm

Overhang length L_1 incl. recess	26 mm
Direction of infeed	horizontal, oblique and vertical
Feed f_z for side milling in steel < 900 N/mm ²	0.072 mm
Tolerance nominal $\varnothing$	f8
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		