

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

Order data

Order number	202399 12
GTIN	4045197858290
Item class	11X

Description
Version:

Special flute profile. Strengthened core.

MTC rough milling up to 1.5×D in solid material.

Eccentric relief ground.

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 : 36 mm

Overhang length L_1 incl. recess: 46 mm

Recess Ø D_1 : 11.7 mm

Overall length L: 93 mm

Shank Ø D_s : 12 mm

Technical description

Corner chamfer width at 45°	0.2 mm
Balance quality with shank	G 2.5 with HB
Feed f_z for slot milling in steel < 900 N/mm ²	0.06 mm
Shank	DIN 6535 HB to h6

Cutting edge $\varnothing D_c$	12 mm
Tolerance nominal \varnothing	f8
Flute length L_c	36 mm
Shank $\varnothing D_s$	12 mm
Direction of infeed	horizontal, oblique and vertical
Overall length L	93 mm
Overhang length L_1 incl. recess	46 mm
Recess $\varnothing D_1$	11.7 mm
No. of teeth Z	3
Feed f_z for side milling in steel < 900 N/mm ²	0.072 mm
Helix angle	45 degrees
Corner chamfer angle	45 degrees
Coating	AlCrN
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	N
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Cutting width a_e for milling operation	0.3×D for side milling
Cutting width a_e for milling operation	Full slot cutting depth 1×D
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 12 mm

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