# Garant

## Solid carbide milling cutter MTC, uncoated, Ø h6 DC: 16 mm



## **Order data**

Order number	202256 16
GTIN	4045197860040
Item class	11X

## Description

#### Version:

**Eccentric relief ground**, additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium workpieces.

#### Application:

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres. Tolerance nominal  $\emptyset$ : h6 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<sub>c</sub>: 36 mm Overhang length L<sub>1</sub> incl. recess: 58 mm Recess  $\emptyset$  D<sub>1</sub>: 15 mm Overall length L: 108 mm Shank  $\emptyset$  D<sub>5</sub>: 16 mm

# **Technical description**

Cutting edge Ø D <sub>c</sub>	16 mm
Recess Ø D <sub>1</sub>	15 mm
Feed $f_z$ for slot milling in short-chipping aluminium	0.065 mm
Flute length $L_c$	36 mm
Tolerance nominal Ø	h6

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Overall length L108 mmShank Ø D,16 mmShank Ø D,DIN 6535 HB to h6Corner chamfer width at 45°0.2 mmDirection of infeedhorizontal, oblique and verticalShank formHBOverhang length L, incl. recess58 mmNo. of teeth Z3Feed f, for side milling in short-chipping aluminium0.09 mmBalance quality with shankG 2.5 with HBHelix angle45 degreesCorner chamfer angle45 degreesCotatinguncoatedTool materialSolid carbideStandardWHelix angle characteristicunequal spacingCutting width a, for milling operation0.5×D for side millingThough-coolantnoMachining strategyMTCColour ringyellowType of productEnd mill			
ShankDIN 6535 HB to h6Corner chamfer width at 45°0.2 mmDirection of infeedhorizontal, oblique and verticalShank formHBOverhang length L, incl. recess58 mmNo. of teeth Z3Feed f₂ for side milling in short-chipping aluminium0.09 mmBalance quality with shankG 2.5 with HBHelix angle45 degreesCorner chamfer angle45 degreesCortinguncoatedTool materialSolid carbideStandardWHelix angle characteristicunequal spacingCutting width a₅ for milling operation0.5×D for side millingThrough-coolantnoMachining strategyMTCYellowYellow	Overall length L	108 mm	
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No. of teeth Z3Feed fz for side milling in short-chipping aluminium0.09 mmBalance quality with shankG 2.5 with HBHelix angle45 degreesCorner chamfer angle45 degreesCoatinguncoatedTool materialSolid carbideStandardManufacturer's standardTypeWHelix angle characteristicunequal spacingCutting width ac for milling operation0.5×D for side millingThrough-coolantnoMachining strategyMTCColour ringyellow	Shank form	НВ	
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Corner chamfer angle45 degreesCoatinguncoatedTool materialSolid carbideStandardManufacturer's standardTypeWHelix angle characteristicunequal spacingCutting width ae for milling operationFull slot cutting depth 1×DCutting width ae for milling operation0.5×D for side millingThrough-coolantnoMachining strategyMTCColour ringyellow	Balance quality with shank	G 2.5 with HB	
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Tool materialSolid carbideStandardManufacturer's standardTypeWHelix angle characteristicunequal spacingCutting width ae for milling operationFull slot cutting depth 1×DCutting width ae for milling operation0.5×D for side millingThrough-coolantnoMachining strategyMTCColour ringyellow	Corner chamfer angle	45 degrees	
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TypeWHelix angle characteristicunequal spacingCutting width ae for milling operationFull slot cutting depth 1×DCutting width ae for milling operation0.5×D for side millingThrough-coolantnoMachining strategyMTCColour ringyellow	Tool material	Solid carbide	
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Cutting width ae for milling operation0.5×D for side millingThrough-coolantnoMachining strategyMTCColour ringyellow	Helix angle characteristic	unequal spacing	
Through-coolant no   Machining strategy MTC   Colour ring yellow	Cutting width $a_e$ for milling operation	Full slot cutting depth 1×D	
Machining strategy MTC   Colour ring yellow	Cutting width $a_e$ for milling operation	0.5×D for side milling	
Colour ring yellow	Through-coolant	no	
	Machining strategy	MTC	
Type of product End mill	Colour ring	yellow	
	Type of product	End mill	

# Services

Shank clamping flats for shrink-fit chucks, with retainer	SZ2025 16
function Shank Ø tool 16 mm	322023 10