

Solid carbide milling cutter with internal coolant supply MTC, uncoated, Ø DC: 16 mm



Order data

Order number	202249 16
GTIN	4045197657350
Item class	11X

Description

Version:

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

Lengths similar to **DIN 6527 long.**

Application:

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

Tolerance nominal Ø: 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_c: 36 mm

Overhang length L₁ incl. recess: 42 mm

Recess \emptyset D₁: 15 mm Overall length L: 92 mm Shank \emptyset D₅: 16 mm

Technical description

Overhang length L ₁ incl. recess	42 mm
Feed f _z for side milling in short-chipping aluminium	0.09 mm
Feed f_z for slot milling in short-chipping aluminium	0.065 mm

Recess Ø D₁ Cutting edge Ø Dc Corner chamfer width at 45° Shank form Shank Ø D₁ Coverall length L Flute length L Direction of infeed Shank Tolerance nominal Ø Balance quality with shank Helix angle Corner chamfer angle Corner chamfer angle Standard Tool material Standard Toly material Standard Cutting width a₀ for milling operation Cutting width a₀ for milling operation Through-coolant MTC Colour ring Type of product 16 mm 10.2 mm 16 mm 16 mm 10.2 mm 16	No. of teeth Z	3
Corner chamfer width at 45° Shank form HB Shank Ø D₄ 16 mm Overall length L Flute length L₂ Direction of infeed Shank DIN 6535 HB to h6 Tolerance nominal Ø Balance quality with shank Helix angle Corner chamfer angle Corner chamfer angle Coating uncoated Tool material Standard DIN 6527 Type W Helix angle characteristic Cutting width a₂ for milling operation Cutting width a₂ for milling operation Through-coolant MC Colour ring MC Colour ring MC Colour ring MB A Balance quality with shank G 2.5 with HB A 5 degrees A 5 degrees A 5 degrees Uncoated DIN 6527 Type W Helix angle characteristic Unequal spacing Cutting width a₂ for milling operation Full slot cutting depth 1×D Through-coolant yes Machining strategy MTC Colour ring	Recess Ø D ₁	15 mm
Shank form HB Shank Ø D₂ 16 mm Overall length L 92 mm Flute length L₂ 36 mm Direction of infeed horizontal, oblique and vertical Shank DIN 6535 HB to h6 Tolerance nominal Ø h6 Balance quality with shank G 2.5 with HB Helix angle 45 degrees Corner chamfer angle 45 degrees Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic unequal spacing Cutting width a₂ for milling operation 0.5×D for side milling Cutting width a₂ for milling operation Full slot cutting depth 1×D Through-coolant yes Machining strategy MTC Colour ring yellow	Cutting edge Ø D _c	16 mm
Shank Ø D₂ 16 mm Overall length L 92 mm Flute length L₂ 36 mm Direction of infeed horizontal, oblique and vertical Shank DIN 6535 HB to h6 Tolerance nominal Ø h6 Balance quality with shank G 2.5 with HB Helix angle 45 degrees Corner chamfer angle 45 degrees Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic unequal spacing Cutting width a₂ for milling operation 0.5×D for side milling Cutting width a₂ for milling operation Full slot cutting depth 1×D Through-coolant yes Machining strategy MTC Colour ring yellow	Corner chamfer width at 45°	0.2 mm
Overall length L Flute length L Direction of infeed horizontal, oblique and vertical Shank DIN 6535 HB to h6 Tolerance nominal Ø Balance quality with shank Helix angle Corner chamfer angle Corner chamfer angle Tool material Standard Tool material Standard Toylen Standard DIN 6527 Type W Helix angle characteristic unequal spacing Cutting width a₂ for milling operation Through-coolant Yes Machining strategy MTC Colour ring Solid carbide Standard DIN 6527 Type W Helix angle characteristic Unequal spacing Tunequal spacing Solid carbide Standard DIN 6527 Type W Helix angle characteristic Unequal spacing Tunequal spacing O.5×D for side milling	Shank form	НВ
Flute length L _c Direction of infeed horizontal, oblique and vertical Shank DIN 6535 HB to h6 Tolerance nominal Ø Balance quality with shank Helix angle Corner chamfer angle Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic unequal spacing Cutting width a _e for milling operation Cutting width a _e for milling operation Through-coolant yes Machining strategy MTC Colour ring DIN 6527 Molecute and wertical Aborizontal And wertical Aborizontal Abor	Shank Ø D _s	16 mm
Direction of infeed Shank DIN 6535 HB to h6 Tolerance nominal Ø Balance quality with shank Helix angle Corner chamfer angle Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic unequal spacing Cutting width a₀ for milling operation Through-coolant yes Machining strategy MTC Colour ring DIN 6535 HB to h6 DIN 6535 HB to h6 Aborizontal, oblique and vertical horizontal, oblique and vertical	Overall length L	92 mm
Shank Tolerance nominal Ø Balance quality with shank Helix angle Corner chamfer angle Coating Tool material Standard Toype W Helix angle characteristic Cutting width ae for milling operation Through-coolant Through-coolant Machining strategy Model DIN 6535 HB to h6 h6 Balance quality with shank G 2.5 with HB 45 degrees 45 degrees As degrees As olid carbide Solid carbide Solid carbide W W Helix angle characteristic unequal spacing Cutting width ae for milling operation Full slot cutting depth 1×D Through-coolant yes Machining strategy MTC Colour ring	Flute length L _c	36 mm
Tolerance nominal Ø Balance quality with shank Helix angle Corner chamfer angle Coating Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic unequal spacing Cutting width a₀ for milling operation Through-coolant Machining strategy Model Model A5 degrees 45 degrees A5 degrees Uncoated DIN 6527 Uncoated DIN 6527 Full slot carbide Standard DIN 6527 Full slot cutting depth 1×D MTC yes MAChining strategy MTC Colour ring	Direction of infeed	horizontal, oblique and vertical
Balance quality with shank Helix angle Corner chamfer angle Coating Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic unequal spacing Cutting width ae for milling operation Cutting width ae for milling operation Through-coolant Machining strategy MTC Colour ring Gegrees 45 degrees 45 degrees Uncoated DIN 6527 Uncoated Un	Shank	DIN 6535 HB to h6
Helix angle Corner chamfer angle Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic unequal spacing Cutting width a _e for milling operation Cutting width a _e for milling operation Full slot cutting depth 1×D Through-coolant yes Machining strategy MTC Colour ring Yellow	Tolerance nominal Ø	h6
Corner chamfer angle Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic unequal spacing Cutting width ae for milling operation Cutting width ae for milling operation Full slot cutting depth 1×D Through-coolant yes Machining strategy MTC Colour ring yellow	Balance quality with shank	G 2.5 with HB
Coating uncoated Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic unequal spacing Cutting width a _e for milling operation 0.5×D for side milling Cutting width a _e for milling operation Full slot cutting depth 1×D Through-coolant yes Machining strategy MTC Colour ring yellow	Helix angle	45 degrees
Tool material Solid carbide Standard DIN 6527 Type W Helix angle characteristic unequal spacing Cutting width a _e for milling operation Cutting width a _e for milling operation Full slot cutting depth 1×D Through-coolant yes Machining strategy MTC Colour ring Solid carbide DIN 6527 W MTC	Corner chamfer angle	45 degrees
StandardDIN 6527TypeWHelix angle characteristicunequal spacingCutting width ae for milling operation0.5×D for side millingCutting width ae for milling operationFull slot cutting depth 1×DThrough-coolantyesMachining strategyMTCColour ringyellow	Coating	uncoated
Type W Helix angle characteristic Cutting width a _e for milling operation Cutting width a _e for milling operation Cutting width a _e for milling operation Full slot cutting depth 1×D Through-coolant yes Machining strategy MTC Colour ring yellow	Tool material	Solid carbide
Helix angle characteristic Cutting width a _e for milling operation Cutting width a _e for milling operation Full slot cutting depth 1×D Through-coolant Machining strategy MTC Colour ring yellow	Standard	DIN 6527
Cutting width a_e for milling operation $0.5 \times D$ for side millingCutting width a_e for milling operationFull slot cutting depth $1 \times D$ Through-coolantyesMachining strategyMTCColour ringyellow	Туре	W
Cutting width a _e for milling operation Through-coolant Machining strategy Colour ring Full slot cutting depth 1×D yes MTC yellow	Helix angle characteristic	unequal spacing
Through-coolant yes Machining strategy MTC Colour ring yellow	Cutting width a _e for milling operation	0.5×D for side milling
Machining strategy MTC Colour ring yellow	Cutting width a _e for milling operation	Full slot cutting depth 1×D
Colour ring yellow	Through-coolant	yes
	Machining strategy	MTC
Type of product End mill	Colour ring	yellow
	Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
	SZ2025 16



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