

Solid carbide torus cutter, DLC, Ø h6 DC / R1: 16/1,0 mm



Order data

Order number	206250 16/1,0
GTIN	4062406127824
Item class	11X

Description

Version:

Dimensions to manufacturer's standard.

With the latest generation of **DLC coating sp** 2 .

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

Tolerances:

· Corner radius

 $R_1 = 0.5 \text{ tolerance } \pm 0.02.$

 $R_1 > 0.5 - 1.5$ tolerance ± 0.03 .

 $R_1 > 1.5$ tolerance ±0.05.

Note:

NEW GENERATION AVAILABLE! Recommended successor product is No. 206261.

No. of teeth Z: 3

Helix angle: 45 degrees Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3 Flute length L_c: 25 mm Corner radius R₁: 1 mm

Overhang length L₁ incl. recess: 100 mm

Recess Ø D₁: 15 mm Overall length L: 150 mm

Technical description

No. of teeth Z	3
Cutting edge Ø D _c	16 mm

Flute length L_c 25 mm Feed f_z for copy milling in short-chipping aluminium 0.1 mm Feed f_z for side milling in short-chipping aluminium 0.09 mm Shank DIN 6535 HA to h6 Overall length L 150 mm Shank \emptyset D ₃ 16 mm Balance quality with shank G 2.5 with HA Recess \emptyset D ₁ 15 mm Helix angle 45 degrees Overhang length L ₁ incl. recess 100 mm Coating DLC Tool material Solid carbide Standard Manufacturer's standard Type W Tolerance nominal \emptyset h6 Direction of infeed horizontal, oblique and vertical Cutting width a_e for milling operation 0.3×D for side milling Cutting width a_e for milling operation 0.05×D for copy milling	Corner radius R ₁	1 mm
Feed f_z for side milling in short-chipping aluminium 0.09 mm ShankDIN 6535 HA to h6Overall length L 150 mm Shank \emptyset \mathbb{D}_s 16 mm Balance quality with shank G 2.5 with HARecess \emptyset \mathbb{D}_1 15 mm Helix angle 45 degrees Overhang length \mathbb{L}_1 incl. recess 100 mm Coating $\mathbb{D}\mathbb{LC}$ Tool material $Solid$ carbideStandard \mathbb{M} Manufacturer's standardType \mathbb{W} Tolerance nominal \emptyset $\mathbb{h}6$ Direction of infeedhorizontal, oblique and verticalCutting width \mathbb{A}_e for milling operation $0.3 \times \mathbb{D}$ for side milling	Flute length L _c	25 mm
ShankDIN 6535 HA to h6Overall length L150 mmShank Ø D₃16 mmBalance quality with shankG 2.5 with HARecess Ø D₁15 mmHelix angle45 degreesOverhang length L₁ incl. recess100 mmCoatingDLCTool materialSolid carbideStandardManufacturer's standardTypeWTolerance nominal Øh6Direction of infeedhorizontal, oblique and verticalCutting width ae for milling operation0.3×D for side milling	Feed f _z for copy milling in short-chipping aluminium	0.1 mm
Overall length L 150 mm Shank \varnothing Ds 16 mm Balance quality with shank $G 2.5 \text{ with HA}$ Recess \varnothing D1 15 mm Helix angle 45 degrees Overhang length L1 incl. recess 100 mm CoatingDLCTool materialSolid carbideStandardManufacturer's standardTypeWTolerance nominal \varnothing h6Direction of infeedhorizontal, oblique and verticalCutting width a_e for milling operation $0.3 \times D$ for side milling	Feed f _z for side milling in short-chipping aluminium	0.09 mm
Shank Ø D₅16 mmBalance quality with shankG 2.5 with HARecess Ø D₁15 mmHelix angle45 degreesOverhang length L₁ incl. recess100 mmCoatingDLCTool materialSolid carbideStandardManufacturer's standardTypeWTolerance nominal Øh6Direction of infeedhorizontal, oblique and verticalCutting width ae for milling operation0.3×D for side milling	Shank	DIN 6535 HA to h6
Balance quality with shankG 2.5 with HARecess \varnothing D115 mmHelix angle45 degreesOverhang length L1 incl. recess100 mmCoatingDLCTool materialSolid carbideStandardManufacturer's standardTypeWTolerance nominal \varnothing h6Direction of infeedhorizontal, oblique and verticalCutting width a_e for milling operation $0.3 \times D$ for side milling	Overall length L	150 mm
Recess \varnothing D115 mmHelix angle45 degreesOverhang length L1 incl. recess100 mmCoatingDLCTool materialSolid carbideStandardManufacturer's standardTypeWTolerance nominal \varnothing h6Direction of infeedhorizontal, oblique and verticalCutting width a_e for milling operation $0.3 \times D$ for side milling	Shank Ø D _s	16 mm
Helix angle $45 \ degrees$ Overhang length L_1 incl. recess $100 \ mm$ CoatingDLCTool materialSolid carbideStandardManufacturer's standardTypeWTolerance nominal \varnothing h6Direction of infeedhorizontal, oblique and verticalCutting width a_e for milling operation $0.3 \times D$ for side milling	Balance quality with shank	G 2.5 with HA
$\begin{array}{ccc} \text{Overhang length L_1 incl. recess} & 100 \text{ mm} \\ \text{Coating} & \text{DLC} \\ \text{Tool material} & \text{Solid carbide} \\ \text{Standard} & \text{Manufacturer's standard} \\ \text{Type} & \text{W} \\ \text{Tolerance nominal \varnothing} & \text{h6} \\ \text{Direction of infeed} & \text{horizontal, oblique and vertical} \\ \text{Cutting width a_e for milling operation} & 0.3 \times D \text{ for side milling} \\ \end{array}$	Recess Ø D ₁	15 mm
$ \begin{array}{ccc} \text{Coating} & \text{DLC} \\ \text{Tool material} & \text{Solid carbide} \\ \text{Standard} & \text{Manufacturer's standard} \\ \text{Type} & \text{W} \\ \text{Tolerance nominal } \varnothing & \text{h6} \\ \text{Direction of infeed} & \text{horizontal, oblique and vertical} \\ \text{Cutting width a_e for milling operation} & \text{0.3}\times\text{D for side milling} \\ \end{array} $	Helix angle	45 degrees
Tool materialSolid carbideStandardManufacturer's standardTypeWTolerance nominal \varnothing h6Direction of infeedhorizontal, oblique and verticalCutting width a_e for milling operation $0.3 \times D$ for side milling	Overhang length L ₁ incl. recess	100 mm
$\begin{array}{ccc} \text{Standard} & & \text{Manufacturer's standard} \\ \text{Type} & & \text{W} \\ \text{Tolerance nominal } \varnothing & & \text{h6} \\ \text{Direction of infeed} & & \text{horizontal, oblique and vertical} \\ \text{Cutting width a_e for milling operation} & & & 0.3 \times D \text{ for side milling} \\ \end{array}$	Coating	DLC
	Tool material	Solid carbide
Tolerance nominal \varnothing h6 Direction of infeed horizontal, oblique and vertical Cutting width a_e for milling operation 0.3×D for side milling	Standard	Manufacturer's standard
$\begin{array}{ll} \mbox{Direction of infeed} & \mbox{horizontal, oblique and vertical} \\ \mbox{Cutting width a_e for milling operation} & \mbox{0.3}{\times}\mbox{D for side milling} \end{array}$	Туре	W
Cutting width a_e for milling operation 0.3×D for side milling	Tolerance nominal Ø	h6
	Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation 0.05×D for copy milling	Cutting width a _e for milling operation	0.3×D for side milling
	Cutting width a _e for milling operation	0.05×D for copy milling
Through-coolant no	Through-coolant	no
Shank tolerance h6	Shank tolerance	h6
Colour ring yellow	Colour ring	yellow
Type of product End mill	Type of product	End mill

Services

Shank grinding Type HB 129100 HB