

Solid carbide torus cutter, DLC, Ø h6 DC / R1: 16/5,0 mm



Order data

Order number	206250 16/5,0
GTIN	4062406127831
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: 5 mm

Overhang length L₁ incl. recess: 100 mm

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

Technical description

Balance quality with shank	G 2.5 with HA
Shank	DIN 6535 HA to h6

Corner radius R₁ 5 mm Flute length L₂ 25 mm Feed f₂ for copy milling in short-chipping aluminium Helix angle 45 degrees Cutting edge Ø D₂ 16 mm Overhang length L₁ incl. recess 100 mm Overall length L 150 mm No. of teeth Z 3 3 Recess Ø D₁ 15 mm Shank Ø D₃ 16 mm Coating DLC Tool material Solid carbide Standard Manufacturer's standard Type W Tolerance nominal Ø h6 Direction of infeed horizontal, oblique and vertical Cutting width a₂ for milling operation 0.3×D for side milling Cutting width a₂ for milling operation no Shank tolerance Colour ring yellow Type of product End mill	Feed f_z for side milling in short-chipping aluminium	0.09 mm
Feed f_z for copy milling in short-chipping aluminium Helix angle Cutting edge \oslash D_c 16 mm Overhang length L_i incl. recess 100 mm Overall length L No. of teeth Z 3 Recess \oslash D_1 15 mm Shank \oslash D_s 16 mm Coating DLC Tool material Solid carbide Standard Manufacturer's standard Type W Tolerance nominal \oslash Direction of infeed Cutting width a_e for milling operation Cutting width a_e for milling operation Chank tolerance Colour ring yellow	Corner radius R ₁	5 mm
Helix angle Cutting edge Ø D _c 16 mm Overhang length L₁ incl. recess 100 mm Overall length L 150 mm No. of teeth Z 3 Recess Ø D₁ 15 mm Shank Ø D₂ Coating DLC Tool material Solid carbide Standard Manufacturer's standard Type W Tolerance nominal Ø Direction of infeed Cutting width a₂ for milling operation Cutting width a₂ for milling operation Through-coolant New Yellow Figure 16 mm As begin and wertical Cutting width a₂ for milling operation Coolour ring Yellow	Flute length L _c	25 mm
Cutting edge \varnothing D _C Overhang length L ₁ incl. recess 100 mm Overall length L No. of teeth Z Recess \varnothing D ₁ Shank \varnothing D ₅ Coating Coating DLC Tool material Solid carbide Standard Manufacturer's standard Type W Tolerance nominal \varnothing Direction of infeed Cutting width a _e for milling operation Cutting width a _e for milling operation Characterial Cutting width a _e for milling operation Cutting width a _e for milling operation Shank tolerance h6 Colour ring yellow	Feed f _z for copy milling in short-chipping aluminium	0.1 mm
Overhang length L₁ incl. recess 100 mm Overall length L 150 mm No. of teeth Z 3 Recess Ø D₁ 15 mm Shank Ø D₃ 16 mm Coating DLC Tool material Solid carbide Standard Manufacturer's standard Type W Tolerance nominal Ø h6 Direction of infeed horizontal, oblique and vertical Cutting width a₂ for milling operation 0.3×D for side milling Cutting width a₂ for milling operation 0.05×D for copy milling Through-coolant no Shank tolerance h6 Colour ring yellow	Helix angle	45 degrees
Overall length L 150 mm No. of teeth Z 3 Recess Ø D₁ 15 mm Shank Ø D₅ 16 mm Coating DLC Tool material Solid carbide Standard Manufacturer's standard Type W Tolerance nominal Ø h6 Direction of infeed horizontal, oblique and vertical Cutting width a₅ for milling operation 0.3×D for side milling Cutting width a₅ for milling operation 0.05×D for copy milling Through-coolant no Shank tolerance h6 Colour ring yellow	Cutting edge \emptyset D_c	16 mm
No. of teeth Z	Overhang length L ₁ incl. recess	100 mm
Recess \varnothing D115 mmShank \varnothing D216 mmCoatingDLCTool materialSolid carbideStandardManufacturer's standardTypeWTolerance nominal \varnothing h6Direction of infeedhorizontal, oblique and verticalCutting width ae for milling operation $0.3 \times D$ for side millingCutting width ae for milling operation $0.05 \times D$ for copy millingThrough-coolantnoShank toleranceh6Colour ringyellow	Overall length L	150 mm
Shank Ø D₅ 16 mm Coating DLC Tool material Solid carbide Standard Manufacturer's standard Type W Tolerance nominal Ø h6 Direction of infeed horizontal, oblique and vertical Cutting width ae for milling operation 0.3×D for side milling Cutting width ae for milling operation 0.05×D for copy milling Through-coolant no Shank tolerance h6 Colour ring yellow	No. of teeth Z	3
Coating DLC Tool material Solid carbide Standard Manufacturer's standard Type W Tolerance nominal Ø h6 Direction of infeed horizontal, oblique and vertical Cutting width ae for milling operation 0.3×D for side milling Cutting width ae for milling operation 0.05×D for copy milling Through-coolant no Shank tolerance h6 Colour ring yellow	Recess Ø D ₁	15 mm
Tool material Solid carbide Standard Manufacturer's standard Type W Tolerance nominal Ø h6 Direction of infeed Cutting width a _e for milling operation Cutting width a _e for milling operation Cutting width a _e for milling operation Through-coolant Shank tolerance Colour ring Yellow	Shank Ø D _s	16 mm
Standard Manufacturer's standard Type W Tolerance nominal Ø h6 Direction of infeed horizontal, oblique and vertical Cutting width ae for milling operation 0.3×D for side milling Cutting width ae for milling operation 0.05×D for copy milling Through-coolant no Shank tolerance h6 Colour ring yellow	Coating	DLC
Type W Tolerance nominal Ø h6 Direction of infeed horizontal, oblique and vertical Cutting width ae for milling operation 0.3×D for side milling Cutting width ae for milling operation 0.05×D for copy milling Through-coolant no Shank tolerance h6 Colour ring yellow	Tool material	Solid carbide
Tolerance nominal \varnothing h6 Direction of infeed horizontal, oblique and vertical Cutting width a_e for milling operation $0.3\times D$ for side milling Cutting width a_e for milling operation $0.05\times D$ for copy milling Through-coolant no Shank tolerance h6 Colour ring yellow	Standard	Manufacturer's standard
Direction of infeed Cutting width a _e for milling operation Cutting width a _e for milling operation Cutting width a _e for milling operation O.05×D for copy milling Through-coolant no Shank tolerance h6 Colour ring yellow	Туре	W
Cutting width a _e for milling operation Cutting width a _e for milling operation O.3×D for side milling 0.05×D for copy milling Through-coolant no Shank tolerance h6 Colour ring yellow	Tolerance nominal Ø	h6
Cutting width a _e for milling operation O.05×D for copy milling Through-coolant no Shank tolerance h6 Colour ring yellow	Direction of infeed	horizontal, oblique and vertical
Through-coolant no Shank tolerance h6 Colour ring yellow	Cutting width a _e for milling operation	0.3×D for side milling
Shank tolerance h6 Colour ring yellow	Cutting width a _e for milling operation	0.05×D for copy milling
Colour ring yellow	Through-coolant	no
· · · · · · · · · · · · · · · · · · ·	Shank tolerance	h6
Type of product End mill	Colour ring	yellow
	Type of product	End mill

Services

Shank grinding Type HB	129100 HB
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