

## Garant

### Solid carbide torus cutter, DLC, Ø h6 DC / R1: 12/2,0 mm



#### Order data

Order number	206250 12/2,0
GTIN	4045197860538
Item class	11X

#### Description

##### Version:

Dimensions to manufacturer's standard.

With the latest generation of **DLC coating sp<sup>2</sup>**.

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

Tolerances:

##### · Corner radius

**R<sub>1</sub> = 0.5 tolerance ±0.02.**

**R<sub>1</sub> > 0.5 – 1.5 tolerance ±0.03.**

**R<sub>1</sub> > 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<sub>c</sub>: 19 mm

Corner radius R<sub>1</sub>: 2 mm

Overhang length L<sub>1</sub> incl. recess: 73 mm

Recess Ø D<sub>1</sub>: 11 mm

Overall length L: 120 mm

#### Technical description

Feed f <sub>z</sub> for copy milling in short-chipping aluminium	0.08 mm
Overhang length L <sub>1</sub> incl. recess	73 mm

Cutting edge $\varnothing D_c$	12 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.07 mm
Flute length $L_c$	19 mm
Shank $\varnothing D_s$	12 mm
Shank	DIN 6535 HA to h6
Overall length L	120 mm
Recess $\varnothing D_1$	11 mm
Balance quality with shank	G 2.5 with HA
Corner radius $R_1$	2 mm
No. of teeth Z	3
Helix angle	45 degrees
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal $\varnothing$	h6
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	0.3xD for side milling
Cutting width $a_e$ for milling operation	0.05xD for copy milling
Through-coolant	no
Shank tolerance	h6
Colour ring	yellow
Type of product	End mill

## Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB

