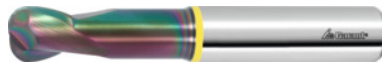


## Garant

### Solid carbide torus cutter, DLC, Ø e8 DC / R1: 12/1,5 mm



## Order data

Order number	206065 12/1,5
GTIN	4045197766328
Item class	11X

## Description

### Version:

Tolerance:  $R_1 = \pm 0.01$  mm.

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

With **double relief ground side clearance angle and corner radius**.

**High strength** due to **strengthened core**.

No. of teeth Z: 2

Helix angle: 30 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length  $L_c$ : 12 mm

Corner radius  $R_1$ : 1.5 mm

Overhang length  $L_1$  incl. recess: 38 mm

Recess Ø  $D_1$ : 11 mm

Overall length L: 83 mm

## Technical description

Corner radius $R_1$	1.5 mm
Shank Ø $D_s$	12 mm
Overall length L	83 mm
Flute length $L_c$	12 mm
Cutting edge Ø $D_c$	12 mm
Feed $f_z$ for copy milling in short-chipping aluminium	0.079 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.07 mm

Overhang length $L_1$ incl. recess	38 mm
Recess $\varnothing D_1$	11 mm
No. of teeth Z	2
Shank	DIN 6535 HA to h6
Helix angle	30 degrees
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal $\varnothing$	e8
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	0.5×D for side 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