

## Garant

### Solid carbide torus cutter, Diamond, Ø e8 DC / R1: 1,5/0,15 mm



#### Order data

Order number	209750 1,5/0,15
GTIN	4045197475084
Item class	11Y

#### Description

##### Version:

With the latest generation of **crystalline diamond coating sp<sup>3</sup>**, for process reliability in machining **fibre-reinforced composites, CRP, GRP and graphite**. Double relief ground side clearance angle.

**For copy milling with angle  $\alpha = 1^{\circ}30'$ .**

Tolerance: Corner radius  $R_1 = \pm 0.01$  mm.

##### Note:

Standard application values

Side milling:  $f_z$  for  $a_p = 0.1 \times D$ .

No. of teeth Z: 2

Helix angle: 30 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length  $L_c$ : 1.8 mm

Corner radius  $R_1$ : 0.15 mm

Overhang length  $L_1$  incl. recess: 3 mm

Recess  $\varnothing D_1$ : 1.45 mm

Overall length L: 75 mm

#### Technical description

No. of teeth Z	2
Feed $f_z$ for side milling in graphite	0.02 mm
Cutting edge $\varnothing D_c$	1.5 mm
$L_2$	27 mm

Ø D <sub>2</sub>	2.7 mm
Feed f <sub>z</sub> for copy milling in graphite	0.028 mm
Corner radius R <sub>1</sub>	0.15 mm
Overhang length L <sub>1</sub> incl. recess	3 mm
Recess Ø D <sub>1</sub>	1.45 mm
Shank Ø D <sub>s</sub>	3 mm
Flute length L <sub>c</sub>	1.8 mm
Overall length L	75 mm
Shank	DIN 6535 HA to h6
Helix angle	30 degrees
Coating	Diamond
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal Ø	e8
Direction of infeed	horizontal, oblique and vertical
Cutting width a <sub>e</sub> for milling operation	0.05×D for copy milling
Cutting width a <sub>e</sub> for milling operation	0.5×D for side milling
Through-coolant	no
Shank tolerance	h6
Colour ring	black
Type of product	End mill