

## Garant

### Solid carbide torus cutter, Diamond, Ø e8 DC / R1: 12/2,0 mm



#### Order data

Order number	209758 12/2,0
GTIN	4045197475640
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.

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

No. of teeth Z: 4

Helix angle: 30 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length  $L_c$ : 12 mm

Corner radius  $R_1$ : 2 mm

Overhang length  $L_1$  incl. recess: 75 mm

Recess Ø  $D_1$ : 11 mm

Overall length L: 120 mm

#### Technical description

Recess Ø $D_1$	11 mm
Corner radius $R_1$	2 mm
Feed $f_z$ for copy milling in graphite	0.105 mm
No. of teeth Z	4
Feed $f_z$ for side milling in graphite	0.105 mm
Cutting edge Ø $D_c$	12 mm
Overhang length $L_1$ incl. recess	75 mm

Shank $\varnothing D_s$	12 mm
Flute length $L_c$	12 mm
Overall length $L$	120 mm
Shank	DIN 6535 HA to h6
Helix angle	30 degrees
Coating	Diamond
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal $\varnothing$	e8
Spacing of the cutters	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	0.2×D for side milling
Cutting width $a_e$ for milling operation	0.05×D for copy milling
Through-coolant	no
Shank tolerance	h6
Colour ring	black
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