

**Garant**
**PCD torus cutter with internal cooling straight cut, PCD, Ø e8 DC / R1: 4/0,5 mm**

**Order data**

Order number	209635 4/0,5
GTIN	4045197513397
Item class	11Y

**Description**
**Version:**

**High performance PCD slot drill** for the **highest demands in respect to material removal rates** when machining **GRP, CRP** and **graphite**.

**Straight flutes** for a neutral cut.

Tolerance for corner radius  $R_1 = \pm 0.01$  mm.

No. of teeth Z: 2

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length  $L_c$ : 2.5 mm

Corner radius  $R_1$ : 0.5 mm

Overhang length  $L_1$  incl. recess: 14 mm

Recess Ø  $D_1$ : 3.8 mm

Overall length L: 50 mm

**Technical description**

Corner radius $R_1$	0.5 mm
Cutting edge Ø $D_c$	4 mm
Feed $f_z$ for copy milling in GRP CRP	0.05 mm
Feed $f_z$ for side milling in graphite	0.06 mm
Feed $f_z$ for side milling in GRP CRP	0.03 mm
Recess Ø $D_1$	3.8 mm
Feed $f_z$ for copy milling in graphite	0.1 mm

No. of teeth Z	2
Overhang length L <sub>1</sub> incl. recess	14 mm
Shank Ø D <sub>s</sub>	6 mm
Flute length L <sub>c</sub>	2.5 mm
Overall length L	50 mm
Shank	DIN 6535 HA to h6
Coating	PCD
Tool material	PCD
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	0.2×D for side milling
Through-coolant	yes
Shank tolerance	h6
Colour ring	black
Type of product	End mill

## Services

Shank grinding Type HB	129100 HB
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