

Garant
Solid carbide torus cutter, Diamond, Ø e8 DC / R1: 3/0,5 mm

Order data

Order number	209750 3/0,5
GTIN	4045197475121
Item class	11Y

Description
Version:

With the latest generation of **crystalline diamond coating sp³**, 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 : 2 mm

Corner radius R_1 : 0.5 mm

Overhang length L_1 incl. recess: 12 mm

Recess $\varnothing D_1$: 2.8 mm

Overall length L: 80 mm

Technical description

Feed f_z for copy milling in graphite	0.032 mm
L_2	40 mm
Overhang length L_1 incl. recess	12 mm
Recess $\varnothing D_1$	2.8 mm

No. of teeth Z	2
Ø D ₂	4.3 mm
Cutting edge Ø D _c	3 mm
Corner radius R ₁	0.5 mm
Feed f _z for side milling in graphite	0.024 mm
Shank Ø D _s	6 mm
Flute length L _c	2 mm
Overall length L	80 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 _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	black
Type of product	End mill

Services

Shank grinding Type HB	129100 HB
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