

Garant

Solid carbide torus cutter, Diamond, Ø e8 DC / R1: 1,2/0,12 mm



Order data

Order number	209750 1,2/0,12
GTIN	4045197475077
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 : 1.4 mm

Corner radius R_1 : 0.12 mm

Overhang length L_1 incl. recess: 2.4 mm

Recess $\varnothing D_1$: 1.15 mm

Overall length L: 75 mm

Technical description

L_2	27 mm
Corner radius R_1	0.12 mm
Feed f_z for copy milling in graphite	0.0234 mm
No. of teeth Z	2

Overhang length L_1 incl. recess	2.4 mm
Recess $\varnothing D_1$	1.15 mm
Feed f_z for side milling in graphite	0.0165 mm
$\varnothing D_2$	2.5 mm
Cutting edge $\varnothing D_c$	1.2 mm
Shank $\varnothing D_s$	3 mm
Flute length L_c	1.4 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 \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	black
Type of product	End mill