

Garant
Solid carbide torus cutter, Diamond, Ø e8 DC / R1: 12/1,5 mm

Order data

Order number	209755 12/1,5
GTIN	4045197475404
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.

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 : 1.5 mm

Overhang length L_1 incl. recess: 38 mm

Recess Ø D_1 : 11 mm

Overall length L: 83 mm

Technical description

No. of teeth Z	4
Recess Ø D_1	11 mm
Feed f_z for side milling in graphite	0.105 mm
Feed f_z for copy milling in graphite	0.105 mm
Overhang length L_1 incl. recess	38 mm
Corner radius R_1	1.5 mm
Cutting edge Ø D_c	12 mm

Shank $\varnothing D_s$	12 mm
Flute length L_c	12 mm
Overall length L	83 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