

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

Order data

Order number	209760 12/2,0
GTIN	4045197507396
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 R₁ = ±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 R₁: 2 mm

Overhang length L₁ incl. recess: 100 mm

Recess Ø D₁: 11 mm

Overall length L: 160 mm

Technical description

Feed f _z for copy milling in graphite	0.105 mm
Feed f _z for side milling in graphite	0.105 mm
Cutting edge Ø D _c	12 mm
Corner radius R ₁	2 mm
Recess Ø D ₁	11 mm
No. of teeth Z	4
Overhang length L ₁ incl. recess	100 mm

Shank $\varnothing D_s$	12 mm
Flute length L_c	12 mm
Overall length L	160 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