

Garant

Solid carbide torus cutter, DLC, Ø e8 DC / R1: 12/4,0 mm



Order data

Order number	206071 12/4,0
GTIN	4045197766496
Item class	11X

Description

Version:

With the latest generation of **DLC coating sp²**.

With **double relief ground side clearance angle and corner radius**.

High stability due to **strengthened core**.

Tolerance: **R₁ = ±0.01 mm**.

No. of teeth Z: 2

Helix angle: 30 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length L_c: 12 mm

Corner radius R₁: 4 mm

Overhang length L₁ incl. recess: 75 mm

Recess Ø D₁: 11 mm

Overall length L: 120 mm

Technical description

Corner radius R ₁	4 mm
Feed f _z for side milling in short-chipping aluminium	0.07 mm
Cutting edge Ø D _c	12 mm
Recess Ø D ₁	11 mm
Feed f _z for copy milling in short-chipping aluminium	0.079 mm
Flute length L _c	12 mm
No. of teeth Z	2

Shank $\varnothing D_s$	12 mm
Overall length L	120 mm
Overhang length L_1 incl. recess	75 mm
Shank	DIN 6535 HA to h6
Helix angle	30 degrees
Coating	DLC
Tool material	solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal \varnothing	e8
Direction of infeed	horizontal, oblique and vertical
Cutting width a_e for milling operation	0.1×D for side milling
Cutting width a_e for milling operation	0.05×D for copy milling
Through-coolant	no
Colour ring	yellow
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