

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

Order data

Order number	206040 12/1,5
GTIN	4045197122841
Item class	11X

Description
Version:

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

High strength due to **strengthened core.**

Tolerance: $R_1 = \pm 0.01 \text{ mm}$.

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 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

Corner radius R_1	1.5 mm
Feed f_z for side milling in short-chipping aluminium	0.07 mm
Cutting edge Ø D_c	12 mm
No. of teeth Z	2
Overhang length L_1 incl. recess	38 mm
Feed f_z for copy milling in short-chipping aluminium	0.079 mm
Recess Ø D_1	11 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	uncoated
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	0.5×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	yellow
Type of product	End mill

Services

Shank recess Type FRST	209900 FRST
Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB