

Garant
Solid carbide torus cutter, DLC, Ø e8 DC / R1: 16/2,5mm

Order data

Order number	206075 16/2,5
GTIN	4045197958570
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.**

Technical description

Helix angle	30 degrees
Feed f_z for copy milling in short-chipping aluminium	0.1 mm
Overall length L	200 mm
Shank Ø D_s	16 mm
Overhang length L_1 incl. recess	140 mm
Flute length L_c	16 mm
Corner radius R_1	2.5 mm
Feed f_z for side milling in short-chipping aluminium	0.09 mm
No. of teeth Z	2
Cutting edge Ø D_c	16 mm
Shank	DIN 6535 HA to h6
Recess Ø D_1	15 mm
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	0.05×D for copy milling
Cutting width a_e for milling operation	0.1×D for side milling
Through-coolant	no
Colour ring	yellow
Type of product	Torus cutter

User data

	Suitability	V_c	ISO code
Aluminium	Suitable	180 m/min	N
Aluminium (short chipping)	suitable	140 m/min	N
Alu > 10% Si	suitable	105 m/min	N
PMMA acrylic	Suitable	130 m/min	N
PE-HD	Suitable	80 m/min	N
PA 66	Suitable	100 m/min	N
PEEK	Suitable	80 m/min	N
PF 31	Suitable	70 m/min	N
PVDF GF20	Suitable	90 m/min	N
POM GF25	Suitable	80 m/min	N
PA 66 GF30	Suitable	70 m/min	N
PEEK GF30	Suitable	70 m/min	N
PTFE CF25	Suitable	80 m/min	N
Cu	Suitable	100 m/min	N
CuZn	Suitable	120 m/min	N

wet maximum	suitable
wet minimum	suitable
dry	suitable only under restricted conditions
Air Services	Suitable
Shank grinding Type HB	129100 HB