

**Garant**
**Solid carbide torus cutter, DLC, Ø e8 DC / R1: 8/1,0mm**

**Order data**

Order number	206075 8/1,0
GTIN	4045197766557
Item class	11X

**Description**
**Version:**

With the latest generation of **DLC coating sp<sup>2</sup>**.

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

**High stability** due to **strengthened core.**

Tolerance: **R<sub>1</sub> = ±0.01 mm.**

**Technical description**

Corner radius R <sub>1</sub>	1 mm
Flute length L <sub>c</sub>	9 mm
Cutting edge Ø D <sub>c</sub>	8 mm
No. of teeth Z	2
Shank Ø D <sub>s</sub>	8 mm
Overall length L	130 mm
Feed f <sub>z</sub> for copy milling in short-chipping aluminium	0.045 mm
Feed f <sub>z</sub> for side milling in short-chipping aluminium	0.04 mm
Recess Ø D <sub>1</sub>	7.4 mm
Overhang length L <sub>1</sub> incl. recess	90 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	0.05×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
<del>Air</del> <b>Services</b>	Suitable
Shank grinding Type HB	129100 HB