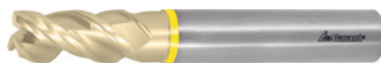


## Garant

### Solid carbide torus cutter HPC, ZOx, Ø f8 DC / R1: 5/1,0mm



## Order data

Order number	206260 5/1,0
GTIN	4045197300867
Item class	11X

## Description

### Version:

With strong core, **special chip breaker recesses** and **large polished flutes**.  
New generation of high performance end mills in the HPC machining range.

### Application:

Especially for **high speed machining** in **mould and tool making** for **copy milling**.

### Note:

**NEW GENERATION AVAILABLE! Recommended successor product is No. 206255.**

No. of teeth Z: 3

Helix angle: 45°

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3

Flute length  $L_c$ : 13 mm

Corner radius  $R_1$ : 1 mm

Overhang length  $L_1$  incl. recess: 18 mm

Recess Ø  $D_1$ : 4.7 mm

Overall length L: 57 mm

## Technical description

Recess Ø $D_1$	4.7 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.03 mm
Cutting edge Ø $D_c$	5 mm
Feed $f_z$ for copy milling in short-chipping aluminium	0.03 mm
Corner radius $R_1$	1 mm

No. of teeth Z	3
Overhang length L <sub>1</sub> incl. recess	18 mm
Shank Ø D <sub>s</sub>	6 mm
Flute length L <sub>c</sub>	13 mm
Overall length L	57 mm
Balance quality with shank	G 2.5 with HA
Shank	DIN 6535 HA to h6
Helix angle	45 °
Coating	ZOX
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal Ø	f8
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width a <sub>e</sub> for milling operation	0.3×D for side milling
Cutting width a <sub>e</sub> for milling operation	0.03×D for copy milling
Through-coolant	no
Machining strategy	HPC
Shank tolerance	h6
Colour ring	yellow
Type of product	Torus cutter

## User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium	suitable only under restricted conditions	500 m/min	N
Aluminium (short chipping)	suitable	480 m/min	N

Alu > 10% Si	suitable	240 m/min	N
Cu	Suitable	200 m/min	N
CuZn	suitable	240 m/min	N
wet maximum	suitable		
wet minimum	suitable only under restricted conditions		
dry	suitable only under restricted conditions		
Air	suitable only under restricted conditions		

### Services

Shank grinding Type HB	129100 HB
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