

**Garant**
**Solid carbide torus cutter HPC, ZOx, Ø f8 DC / R1: 8/0,5mm**

**Order data**

Order number	206260 8/0,5
GTIN	4045197300898
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.**

**Technical description**

No. of teeth Z	3
Corner radius R <sub>1</sub>	0.5 mm
Feed f <sub>z</sub> for side milling in short-chipping aluminium	0.055 mm
Overhang length L <sub>1</sub> incl. recess	25 mm
Cutting edge Ø D <sub>c</sub>	8 mm
Feed f <sub>z</sub> for copy milling in short-chipping aluminium	0.055 mm
Recess Ø D <sub>1</sub>	7.4 mm
Shank Ø D <sub>s</sub>	8 mm
Flute length L <sub>c</sub>	21 mm
Overall length L	63 mm
Balance quality with shank	G 2.5 with HA

Shank	DIN 6535 HA to h6
Helix angle	45 degrees
Coating	ZOX
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal $\varnothing$	f8
Helix angle characteristic	unequal spacing
Spacing of the cutters	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	0.3×D for side milling
Cutting width $a_e$ 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	$V_c$	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
<b>Services</b>	
Shank grinding Type HB	129100 HB