

## Garant

### Solid carbide torus cutter HPC, ZOX, Ø f8 DC / R1: 16/2,0mm



## Order data

Order number	206260 16/2,0
GTIN	4045197300959
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

Feed $f_z$ for side milling in short-chipping aluminium	0.08 mm
Cutting edge $\varnothing D_c$	16 mm
Overhang length $L_1$ incl. recess	42 mm
No. of teeth $Z$	3
Recess $\varnothing D_1$	15 mm
Feed $f_z$ for copy milling in short-chipping aluminium	0.08 mm
Corner radius $R_1$	2 mm
Shank $\varnothing D_s$	16 mm
Flute length $L_c$	36 mm
Overall length $L$	92 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