

**Garant**
**Solid carbide torus cutter HPC, ZOx, Ø f8 DC / R1: 10/0,5 mm**

**Order data**

Order number	206265 10/0,5
GTIN	4045197539205
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**.

No. of teeth Z: 3

Helix angle: 45 degrees

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3

Flute length  $L_c$ : 16 mm

Corner radius  $R_1$ : 0.5 mm

Overhang length  $L_1$  incl. recess: 58 mm

Recess  $\varnothing D_1$ : 9.2 mm

Overall length L: 100 mm

**Technical description**

Cutting edge $\varnothing D_c$	10 mm
Overhang length $L_1$ incl. recess	58 mm
Recess $\varnothing D_1$	9.2 mm
Feed $f_z$ for copy milling in short-chipping aluminium	0.065 mm
No. of teeth Z	3
Feed $f_z$ for side milling in short-chipping aluminium	0.065 mm

Corner radius $R_1$	0.5 mm
Shank $\varnothing D_s$	10 mm
Flute length $L_c$	16 mm
Overall length $L$	100 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	End mill

## Services

Shank recess Type FRST	209900 FRST
Shank grinding Type HB	129100 HB