

## Garant

### Solid carbide torus cutter HPC, ZO<sub>X</sub>, Ø f8 DC / R1: 8/1,0 mm



#### Order data

Order number	206265 8/1,0
GTIN	4045197539199
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  $L_c$ : 13 mm

Corner radius  $R_1$ : 1 mm

Overhang length  $L_1$  incl. recess: 62 mm

Recess Ø  $D_1$ : 7.4 mm

Overall length L: 100 mm

#### Technical description

Recess Ø $D_1$	7.4 mm
No. of teeth Z	3
Cutting edge Ø $D_c$	8 mm
Overhang length $L_1$ incl. recess	62 mm
Corner radius $R_1$	1 mm
Feed $f_z$ for copy milling in short-chipping aluminium	0.05 mm

Feed $f_z$ for side milling in short-chipping aluminium	0.05 mm
Shank $\varnothing D_s$	8 mm
Flute length $L_c$	13 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