

## Garant

### Solid carbide torus cutter HPC, ZO<sub>X</sub>, Ø f8 DC / R1: 20/4,0 mm



## Order data

Order number	206260 20/4,0
GTIN	4045197300973
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 degrees

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3

Flute length  $L_c$ : 41 mm

Corner radius  $R_1$ : 4 mm

Overhang length  $L_1$  incl. recess: 52 mm

Recess  $\varnothing D_1$ : 19 mm

Overall length L: 104 mm

## Technical description

Corner radius $R_1$	4 mm
No. of teeth Z	3
Feed $f_z$ for copy milling in short-chipping aluminium	0.1 mm
Recess $\varnothing D_1$	19 mm
Cutting edge $\varnothing D_c$	20 mm

Overhang length $L_1$ incl. recess	52 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.1 mm
Shank $\varnothing D_s$	20 mm
Flute length $L_c$	41 mm
Overall length $L$	104 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 clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 20 mm	SZ2025 20
Shank grinding Type HB	129100 HB

