

Garant
Solid carbide torus cutter HPC, ZOx, Ø f8 DC / R1: 20/4,0 mm

Order data

Order number	206265 20/4,0
GTIN	4045197539267
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 : 32 mm

Corner radius R_1 : 4 mm

Overhang length L_1 incl. recess: 98 mm

Recess $\varnothing D_1$: 19 mm

Overall length L: 150 mm

Technical description

Overhang length L_1 incl. recess	98 mm
Cutting edge $\varnothing D_c$	20 mm
Feed f_z for copy milling in short-chipping aluminium	0.1 mm
Feed f_z for side milling in short-chipping aluminium	0.1 mm
Corner radius R_1	4 mm
No. of teeth Z	3

Recess $\varnothing D_1$	19 mm
Shank $\varnothing D_s$	20 mm
Flute length L_c	32 mm
Overall length L	150 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

