

**Garant**
**Solid carbide torus cutter, uncoated,  $\varnothing$  e8 DC / R1: 20/5,0 mm**

**Order data**

Order number	206040 20/5,0
GTIN	4062406087487
Item class	11X

**Description**
**Version:**

With **double relief ground side clearance angle and corner radius.**

**High strength** due to **strengthened core.**

Tolerance:  $R_1 = \pm 0.01$  mm.

No. of teeth Z: 2

Helix angle: 30 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 2

Flute length  $L_c$ : 20 mm

Corner radius  $R_1$ : 5 mm

Overhang length  $L_1$  incl. recess: 54 mm

Recess  $\varnothing D_1$ : 19 mm

Overall length L: 104 mm

**Technical description**

Feed $f_z$ for copy milling in short-chipping aluminium	0.15 mm
Shank $\varnothing D_s$	20 mm
Overhang length $L_1$ incl. recess	54 mm
No. of teeth Z	2
Recess $\varnothing D_1$	19 mm
Corner radius $R_1$	5 mm
Helix angle	30 degrees

Overall length L	104 mm
Cutting edge $\varnothing D_c$	20 mm
Feed $f_z$ for side milling in short-chipping aluminium	0.12 mm
Shank	DIN 6535 HA to h6
Flute length $L_c$	20 mm
Coating	uncoated
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal $\varnothing$	e8
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	0.5×D for side milling
Cutting width $a_e$ for milling operation	0.05×D for copy milling
Through-coolant	no
Shank tolerance	h6
Colour ring	yellow
Type of product	End mill

## Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank $\varnothing$ tool 16 mm	SZ2025 16
Shank recess Type FRST	209900 FRST
Shank grinding Type HB	129100 HB