

## Garant

### Solid carbide torus cutter TPC, DLC, Ø h6 DC / R1: 20/2,0 mm



#### Order data

Order number	206211 20/2,0
GTIN	4045197812162
Item class	11X

#### Description

##### Version:

**Eccentric relief ground**, additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium workpieces.

With double chip-breaker for exemplary chip formation.

With the latest generation of **DLC coating sp<sup>2</sup>**.

##### Application:

Especially for **MTC (Multi Task Cutting)** use on the new generation of turning / milling centres.

##### Note:

$a_{e\ max} = 0.12 \times D$  for TPC machining.

$h_{max}$ : The values stated in the table are maximum values.

No. of teeth Z: 3

Helix angle: 45 degrees

Shank: DIN 6535 HB to h6

Balance quality with shank: G 2.5 with HB

No. of teeth Z: 3

Flute length  $L_c$ : 82 mm

Corner radius  $R_1$ : 2 mm

Overhang length  $L_1$  incl. recess: 100 mm

Recess Ø  $D_1$ : 19 mm

Overall length L: 154 mm

#### Technical description

Corner radius $R_1$	2 mm
Shank Ø $D_s$	20 mm
No. of teeth Z	3

Recess $\varnothing D_1$	19 mm
Shank form	HB
Overhang length $L_1$ incl. recess	100 mm
Overall length $L$	154 mm
Cutting edge $\varnothing D_c$	20 mm
Flute length $L_c$	82 mm
Average chip thickness $h_{max}$ for TPC milling in short-chipping aluminium	0.125 mm
Balance quality with shank	G 2.5 with HB
Shank	DIN 6535 HB to h6
Helix angle	45 degrees
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Tolerance nominal $\varnothing$	h6
Helix angle characteristic	unequal spacing
Direction of infeed	horizontal, oblique and vertical
Cutting width $a_e$ for milling operation	$0.12 \times D$
Through-coolant	no
Machining strategy	TPC
Colour ring	yellow
Type of product	End mill

## Services

Shank clamping flats for shrink-fit chucks, with retainer function Shank  $\varnothing$  tool 20 mm

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