

**Garant**
**Solid carbide torus cutter TPC, DLC, Ø h6 DC / R1: 16/2,0 mm**

**Order data**

Order number	206211 16/2,0
GTIN	4045197812131
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  $L_c$ : 65 mm

Corner radius  $R_1$ : 2 mm

Overhang length  $L_1$  incl. recess: 80 mm

Recess Ø  $D_1$ : 15 mm

Overall length L: 132 mm

**Technical description**

Shank Ø $D_s$	16 mm
Overall length L	132 mm
Overhang length $L_1$ incl. recess	80 mm

Corner radius $R_1$	2 mm
No. of teeth $Z$	3
Recess $\varnothing D_1$	15 mm
Cutting edge $\varnothing D_c$	16 mm
Flute length $L_c$	65 mm
Shank form	HB
Average chip thickness $h_{max}$ for TPC milling in short-chipping aluminium	0.095 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 16 mm

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