

## Garant

### Solid carbide torus cutter TPC, DLC, Ø h6 DC / R1: 10/2,0 mm



#### Order data

Order number	206211 10/2,0
GTIN	4045197812070
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 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  $R_1$ : 2 mm

Overhang length  $L_1$  incl. recess: 50 mm

Recess Ø  $D_1$ : 9.2 mm

Overall length L: 95 mm

#### Technical description

Overhang length $L_1$ incl. recess	50 mm
Cutting edge Ø $D_c$	10 mm
Recess Ø $D_1$	9.2 mm

Corner radius $R_1$	2 mm
Shank $\varnothing D_s$	10 mm
Flute length $L_c$	41 mm
No. of teeth $Z$	3
Shank form	HA
Overall length $L$	95 mm
Average chip thickness $h_{max}$ for TPC milling in short-chipping aluminium	0.055 mm
Balance quality with shank	G 2.5 with HA
Shank	DIN 6535 HA 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 grinding Type HB	129100 HB
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