

Garant

Solid carbide torus cutter TPC, DLC, Ø h6 DC / R1: 10/0,5 mm



Order data

Order number	206211 10/0,5
GTIN	4045197812056
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 sp²**.

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 : 0.5 mm

Overhang length L_1 incl. recess: 50 mm

Recess Ø D_1 : 9.2 mm

Overall length L: 95 mm

Technical description

Shank Ø D_s	10 mm
Overhang length L_1 incl. recess	50 mm
No. of teeth Z	3

Recess $\varnothing D_1$	9.2 mm
Flute length L_c	41 mm
Shank form	HA
Corner radius R_1	0.5 mm
Cutting edge $\varnothing D_c$	10 mm
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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