

Garant

Solid carbide torus cutter TPC, uncoated, Ø h6 DC / R1: 16/4,0 mm



Order data

Order number	206210 16/4,0
GTIN	4045197811967
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.

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 : 4 mm

Overhang length L_1 incl. recess: 80 mm

Recess $\varnothing D_1$: 15 mm

Overall length L: 132 mm

Technical description

Flute length L_c	65 mm
Recess $\varnothing D_1$	15 mm
Overall length L	132 mm
No. of teeth Z	3

Corner radius R_1	4 mm
Cutting edge $\varnothing D_c$	16 mm
Overhang length L_1 incl. recess	80 mm
Shank form	HB
Shank $\varnothing D_s$	16 mm
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	uncoated
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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