

Garant

Solid carbide milling cutter TPC, DLC, Ø h6 DC: 12 mm



Order data

Order number	202284 12
GTIN	4045197977311
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**.

Note:

NEW GENERATION AVAILABLE! Recommended successor product is No. 203115.

$a_{e \max} = 0.1 \times D$ for TPC machining.

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

Tolerance nominal Ø: h6

No. of teeth Z: 3

Helix angle: 45 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HA to h6

Balance quality with shank: G 2.5 with HA

No. of teeth Z: 3

Flute length L_c : 61 mm

Overhang length L_1 incl. recess: 72 mm

Recess Ø D_1 : 11 mm

Overall length L: 121 mm

Shank Ø D_s : 12 mm

Technical description

Shank Ø D_s	12 mm
Recess Ø D_1	11 mm

Balance quality with shank	G 2.5 with HA
Cutting edge $\varnothing D_c$	12 mm
Tolerance nominal \varnothing	h6
Average chip thickness h_{max} for TPC milling in short-chipping aluminium	0.063 mm
Overhang length L_1 incl. recess	72 mm
Shank	DIN 6535 HA to h6
Shank form	HA
Overall length L	121 mm
No. of teeth Z	3
Corner chamfer width at 45°	0.2 mm
Flute length L_c	61 mm
Helix angle	45 degrees
Direction of infeed	horizontal, oblique and vertical
Corner chamfer angle	45 degrees
Coating	DLC
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	W
Helix angle characteristic	unequal spacing
Cutting width a_e for milling operation	$0.1 \times D$
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 12 mm	SZ2025 12
Shank grinding Type HB	129100 HB

