

Garant

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



Order data

| | |
|--------------|---------------|
| Order number | 206211 16/4,0 |
| GTIN | 4045197812155 |
| 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 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 Ø D_1 : 15 mm

Overall length L: 132 mm

Technical description

| | |
|----------------------|--------|
| Overall length L | 132 mm |
| Cutting edge Ø D_c | 16 mm |
| Recess Ø D_1 | 15 mm |

| | |
|--|----------------------------------|
| No. of teeth Z | 3 |
| Flute length L_c | 65 mm |
| Shank form | HB |
| Shank $\varnothing D_s$ | 16 mm |
| Corner radius R_1 | 4 mm |
| Overhang length L_1 incl. recess | 80 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 | 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

SZ2025 16