

Garant

Solid carbide torus cutter, uncoated, Ø h6 DC / R1: 20/3,0 mm



Order data

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|--------------|---------------|
| Order number | 206192 20/3,0 |
| GTIN | 4045197853172 |
| Item class | 11X |

Description

Version:

Eccentric relief ground, additionally **polish ground** in the flutes for **outstanding chip evacuation** in long-chipping aluminium workpieces.

Tolerances:

· Corner radius

$R_1 = 0.5$ tolerance ± 0.02 .

$R_1 > 0.5 - 1.5$ tolerance ± 0.03 .

$R_1 > 1.5$ tolerance ± 0.05 .

Dimensions to manufacturer's standard.

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 : 32 mm

Corner radius R_1 : 3 mm

Overhang length L_1 incl. recess: 98 mm

Recess $\varnothing D_1$: 19 mm

Overall length L: 150 mm

Technical description

| | |
|-------------------------|-------------------|
| No. of teeth Z | 3 |
| Shank $\varnothing D_s$ | 20 mm |
| Shank | DIN 6535 HA to h6 |
| Overall length L | 150 mm |

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|---|----------------------------------|
| Balance quality with shank | G 2.5 with HA |
| Cutting edge $\varnothing D_c$ | 20 mm |
| Recess $\varnothing D_1$ | 19 mm |
| Overhang length L_1 incl. recess | 98 mm |
| Feed f_z for copy milling in short-chipping aluminium | 0.13 mm |
| Flute length L_c | 32 mm |
| Corner radius R_1 | 3 mm |
| Feed f_z for side milling in short-chipping aluminium | 0.12 mm |
| Helix angle | 45 degrees |
| Coating | uncoated |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | W |
| Tolerance nominal \varnothing | h6 |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | 0.05×D for copy milling |
| Cutting width a_e for milling operation | 0.3×D for side milling |
| Through-coolant | no |
| Shank tolerance | h6 |
| Colour ring | yellow |
| Type of product | End mill |

Services

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|---|-----------|
| Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 20 mm | SZ2025 20 |
| Shank grinding Type HB | 129100 HB |