

Garant
Solid carbide torus cutter HPC DIN 6535 HA, TiAlN, Ø DC / R1: 12/0,5 mm

Order data

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|--------------|---------------|
| Order number | 206351 12/0,5 |
| GTIN | 4045197542328 |
| Item class | 11X |

Description
Version:

Dimensions to DIN 6527 and 38° flutes.

Tolerance: Corner radius $R_1 = \pm 0.005 \text{ mm}$.

Note:

NEW GENERATION AVAILABLE!

Recommended successor product is No. 206345

No. of teeth Z: 4

Helix angle: 38 degrees

Shank: DIN 6535 HA to h6

No. of teeth Z: 4

Flute length L_c : 26 mm

Corner radius R_1 : 0.5 mm

Overhang length L_1 incl. recess: 38 mm

Recess $\varnothing D_1$: 11.5 mm

Overall length L: 83 mm

Technical description

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|---|----------|
| Overhang length L_1 incl. recess | 38 mm |
| No. of teeth Z | 4 |
| Feed f_z for side milling in INOX > 900 N/mm ² | 0.065 mm |
| Cutting edge $\varnothing D_c$ | 12 mm |
| Recess $\varnothing D_1$ | 11.5 mm |
| Corner radius R_1 | 0.5 mm |

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|---|----------------------------------|
| Feed f_z for copy milling in stainless steel $> 900 \text{ N/mm}^2$ | 0.08 mm |
| Shank $\varnothing D_s$ | 12 mm |
| Flute length L_c | 26 mm |
| Overall length L | 83 mm |
| Shank | DIN 6535 HA to h6 |
| Helix angle | 38 degrees |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | DIN 6527 |
| Type | N |
| Tolerance nominal \varnothing | e8 |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| Direction of infeed | horizontal, oblique and vertical |
| Cutting width a_e for milling operation | $0.3 \times D$ for side milling |
| Cutting width a_e for milling operation | $0.05 \times D$ for copy milling |
| Through-coolant | no |
| Machining strategy | HPC |
| Shank tolerance | h6 |
| Colour ring | blue |
| Type of product | End mill |

Services

| | |
|---|-------------|
| Shank recess Type FRST | 209900 FRST |
| Shank clamping flats for shrink-fit chucks, with retainer function Shank \varnothing tool 12 mm | SZ2025 12 |
| Shank grinding Type HB | 129100 HB |