

Garant
GARANT Master INOX solid carbide milling cutter HPC / TPC, TiAlN, Ø h10 DC: 20 mm

Order data

| | |
|--------------|---------------|
| Order number | 203007 20 |
| GTIN | 4045197777300 |
| Item class | 11X |

Description
Version:

For **roughing and finishing**.

HPC milling cutter with **newly developed high-performance coating** for **outstanding tool life** and **optimum metal removal rate** in a very wide range of stainless steels. **Greater oxidation resistance** and **high-temperature hardness**.

Can be used at **high cutting speeds**, particularly suitable even for TOOLOX®.

Advantage:

Particularly low vibration running.

Tolerance nominal Ø: h10

No. of teeth Z: 4

Helix angle: 40 degrees

Direction of infeed: horizontal, oblique and vertical

Shank: DIN 6535 HB to h6

No. of teeth Z: 4

Flute length L_c : 38 mm

Overhang length L_1 incl. recess: 56 mm

Recess Ø D_1 : 19.5 mm

Overall length L: 104 mm

Shank Ø D_s : 20 mm

Technical description

| | |
|--|---------|
| Feed f_z for slot milling in stainless steel > 900 N/mm ² | 0.07 mm |
| Corner chamfer width at 45° | 0.35 mm |
| Flute length L_c | 38 mm |

| | |
|---|----------------------------------|
| Direction of infeed | horizontal, oblique and vertical |
| Recess $\varnothing D_1$ | 19.5 mm |
| No. of teeth Z | 4 |
| Tolerance nominal \varnothing | h10 |
| Shank | DIN 6535 HB to h6 |
| Feed f_z for side milling in INOX > 900 N/mm ² | 0.08 mm |
| Cutting edge $\varnothing D_c$ | 20 mm |
| Shank $\varnothing D_s$ | 20 mm |
| Overall length L | 104 mm |
| Overhang length L_1 incl. recess | 56 mm |
| Helix angle | 40 degrees |
| Corner chamfer angle | 45 degrees |
| Series | GARANT Master INOX |
| Coating | TiAlN |
| Tool material | solid carbide |
| Standard | DIN 6527 |
| Type | N |
| Helix angle characteristic | unequal spacing |
| Spacing of the cutters | unequal spacing |
| Cutting width a_e for milling operation | 0.1×D |
| Cutting width a_e for milling operation | Full slot cutting depth 1×D |
| Through-coolant | no |
| Machining strategy | TPC |
| Machining strategy | HPC |
| Colour ring | blue |
| Type of product | End mill |

Services

SZ2025 20

Shank clamping flats for shrink-fit chucks, with retainer
function Shank \varnothing tool 20 mm
