

## Garant

### GARANT Master Titan solid carbide finishing cutter HPC, uncoated, Ø e8 DC: 20 mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 203632 20     |
| GTIN         | 4045197991621 |
| Item class   | 11Z           |

#### Description

##### Version:

For **finishing operations**.

Special geometry for optimum chip evacuation.

Unequal spacing gives high **intrinsic stability and smooth cutting action**.

For **profile milling as a finishing operation** in **titanium and titanium alloys**.

##### Advantage:

Suitable for medical technology and approved for foodstuffs.

Tolerance nominal Ø: e8

No. of teeth Z: 7

Helix angle: 40 degrees

Direction of infeed: horizontal

Shank: DIN 6535 HA to h6

No. of teeth Z: 7

Flute length  $L_c$ : 41 mm

Overall length L: 104 mm

Shank Ø  $D_s$ : 20 mm

Corner rounding  $r_v$ : 0.1 mm

Feed  $f_z$  for side milling in titanium > 850 N/mm<sup>2</sup>: 0.045 mm

#### Technical description

|                    |            |
|--------------------|------------|
| No. of teeth Z     | 7          |
| Flute length $L_c$ | 41 mm      |
| Helix angle        | 40 degrees |

|   |                         |
|---|-------------------------|
| Direction of infeed   | horizontal              |
| Tolerance nominal $\varnothing$                                 | e8                      |
| Cutting edge $\varnothing D_c$                                  | 20 mm                   |
| Overall length L  | 104 mm                  |
| Shank $\varnothing D_s$   | 20 mm                   |
| Shank   | DIN 6535 HA to h6       |
| Feed $f_z$ for side milling in titanium > 850 N/mm <sup>2</sup> | 0.045 mm                |
| Corner rounding $r_v$   | 0.1 mm                  |
| Series  | GARANT Master Titan     |
| Coating   | uncoated                |
| Tool material   | Solid carbide           |
| Standard  | Manufacturer's standard |
| Type  | N                       |
| Helix angle characteristic                                      | unequal spacing         |
| Cutting width $a_e$ for milling operation                       | 0.1×D for side milling  |
| Through-coolant   | no                      |
| Machining strategy  | HPC                     |
| Colour ring   | pink                    |
| Type of product   | End mill                |

## Services

|                        |           |
|------------------------|-----------|
| Shank grinding Type HB | 129100 HB |
|------------------------|-----------|