

## Garant

### GARANT Master Titan solid carbide high-performance reamer HPC blind hole, TiAlN, Nominal Ø DC: 19mm



#### Order data

|              |               |
|--------------|---------------|
| Order number | 164415 19     |
| GTIN         | 4062406698591 |
| Item class   | 10P           |

#### Description

##### Version:

**Special HPC reamers** of the latest generation, for **machining titanium**, with improved tooth geometry and further developed carbide substrate. Extra-short cutting edge for increased cutting performance values. Optimised cooling strategy with radially arranged coolant outlets aligned directly to the teeth.

**Version suitable for NC** with straight shank dia. for standard arbors especially in **hydraulic chucks** or **high precision collet chucks**. Very high concentricity and process reliability thanks to unequal spacing of the teeth and special profile of the round chamfer width.

##### Tolerance specifications:

**Configurable:** Reamers finish ground to match your specification.

##### Application:

Special version for blind holes.

##### Note:

Delivery time: 4 weeks.

#### Technical description

|  |                  |
|--|------------------|
| Tolerance                                  | Configurable     |
| Feed f in titanium > 850 N/mm <sup>2</sup> | 0.6 mm/rev.      |
| Overall length L                           | 150 mm           |
| Ø range                                    | 18.201 - 19.2 mm |
| Series                                     | Master Titan     |

|                                  |  |
|----------------------------------|--|
| Flute length $L_c$               | 15 mm                                    |
| Overhang $L_1$                   | 100 mm                                   |
| Nominal $\varnothing D_c$        | 19 mm                                    |
| Number of cutting edges Z        | 6  |
| Shank $\varnothing D_s$          | 20 mm                                    |
| Reaming oversize in diameter     | 0.2 mm                                   |
| Coating                          | TiAlN                                    |
| Tool material                    | Solid carbide                            |
| Standard                         | Manufacturer's standard                  |
| Through-coolant                  | yes, with 25 bar                         |
| Shank                            | DIN 6535 HA with h6                      |
| Machining strategy               | HPC                                      |
| Application for type of drilling | for through holes                        |
| Colour ring                      | green                                    |
| Type of product                  | Reaming tool with non-detachable cutters |

## User data

|                            | Suitability | $V_c$ | ISO code |
|----------------------------|-------------|-------|----------|
| Ti > 850 N/mm <sup>2</sup> | suitable    |       |          |
| wet maximum                | suitable    |       |          |