

## Garant

### Burr, coated GARANT Master Uni – medium, Carbide TiAlN, Type: C1020



## Order data

|              |               |
|--------------|---------------|
| Order number | 540222 C1020  |
| GTIN         | 4062406586782 |
| Item class   | 51D           |

## Description

### Version:

The newly developed innovative tooth geometry permits a **high metal removal rate** and at the same time **extremely smooth running and very good guidance**. The optimum chip formation (no pointed chips) achieves high surface quality in roughing and finishing applications.

- **High rate of material removal.**
- **Smooth running.**
- **Low thermal stress, long tool life, improved chip evacuation.**
- **For general-purpose use on steel, stainless steel, aluminium.**

Shank Ø 6 mm.

**GARANT** burrs are manufactured from high performance carbide grades with high wear-resistance and maximum cutting edge strength, using only the latest CNC machines. Steel shanks are used when the head diameter is larger than the shank diameter, otherwise they are made from solid carbide. Additional TiAlN coating for longer working life and temperature resistance. For high thermal and mechanical loadings (Heavy Duty).

- **Longer tool life.**
- **Less heat input.**
- **Better chip evacuation.**

### Application:

Suitable for use with power tools and industrial robots, on almost all materials. For deburring, edge breaking, cleaning, weld and surface preparation.

### Note:

Materials with poor heat conductivity: Reduce speed in order to avoid overheating the burr and smearing.

## Technical description

|                           |                   |
|---------------------------|-------------------|
| Head Ø                    | 10 mm             |
| Shape description         | ball nose         |
| Shank Ø                   | 6 mm              |
| Toothing grit designation | medium            |
| Type of cut               | Unequal toothing  |
| Overall length            | 60 mm             |
| Head length               | 20 mm             |
| Series                    | GARANT Master Uni |
| Tool material             | Carbide TiAlN     |
| Coating                   | TiAlN             |
| Type of product           | Burr              |

## User data

|                                | Suitability                               | V <sub>c</sub> | ISO code |
|--------------------------------|---|----------------|----------|
| Alu Mg                         | suitable only under restricted conditions |                |          |
| Steel < 900 N/mm <sup>2</sup>  | Suitable                                  |                |          |
| Steel < 1400 N/mm <sup>2</sup> | Suitable                                  |                |          |
| Steel < 55 HRC                 | Suitable                                  |                |          |
| Steel < 60 HRC                 | Suitable                                  |                |          |
| INOX                           | Suitable                                  |                |          |
| Ti                             | Suitable                                  |                |          |
| GG(G)                          | Suitable                                  |                |          |
| Uni                            | Suitable                                  |                |          |