

**Garant**

**GARANT Uni Hero solid carbide drill, plain shank DIN 6535 HA, TiAlSiN, Ø DC h7: 3,3mm**



## Order data

|              |               |
|--------------|---------------|
| Order number | GG1255 3,3    |
| GTIN         | 4067263106562 |
| Item class   | GGN           |

## Description

### Version:

**The ultimate in universality and profitability** in one tool. **Robust tool design** and **convex-concave curved cutting edge design** for optimum tool stability and chip breakage behaviour in a wide range of materials. **Special flute geometry** and **polished flutes** for ideal chip evacuation and maximum process reliability. **Ultra-smooth TiAlSiN high-performance coating** to effectively reduce wear and the formation of built-up edges.

**Same as number: 123020.**

Form HB available with No. GG1258 at the same price.

### Note:

Flute length  $L_c = L_2 + 1.5 \times D_c$ .

Articles with prices in brackets: Different delivery time and minimum order quantity is 3 pieces.

## Technical description

|                                          |              |
|------------------------------------------|--------------|
| Feed f in steel < 1100 N/mm <sup>2</sup> | 0.08 mm/rev. |
| Flute length $L_c$                       | 34 mm        |
| Nominal Ø $D_c$                          | 3.3 mm       |

## Data sheet

|                                                   |                         |
|---------------------------------------------------|-------------------------|
| Tolerance nominal Ø                               | h7                      |
| Overall length L                                  | 72 mm                   |
| Contents                                          | 5"                      |
| Shank Ø D <sub>s</sub>                            | 6 mm                    |
| Standard                                          | Manufacturer's standard |
| Number of cutting edges Z                         | 2                       |
| recommended maximum drilling depth L <sub>2</sub> | 29.1 mm                 |
| Coating                                           | TiAlSiN                 |
| Tool material                                     | Solid carbide           |
| Version                                           | 8xD                     |
| Point angle                                       | 140 degrees             |
| Shank                                             | DIN 6535 HA to h6       |
| Through-coolant                                   | yes, with 25 bar        |
| Machining strategy                                | HPC                     |
| Semi-Standard                                     | yes                     |
| Colour ring                                       | orange                  |
| Type of product                                   | Jobber drill            |

## User data

|                                | Suitability                               | V <sub>c</sub> | ISO code |
|--------------------------------|-------------------------------------------|----------------|----------|
| Alu plastics                   | suitable only under restricted conditions | 140 m/min      | N        |
| Aluminium (short chipping)     | suitable                                  | 150 m/min      | N        |
| Steel < 500 N/mm <sup>2</sup>  | suitable                                  | 120 m/min      | P        |
| Steel < 750 N/mm <sup>2</sup>  | suitable                                  | 115 m/min      | P        |
| Steel < 900 N/mm <sup>2</sup>  | suitable                                  | 110 m/min      | P        |
| Steel < 1100 N/mm <sup>2</sup> | suitable                                  | 80 m/min       | P        |
| Steel < 1400 N/mm <sup>2</sup> | suitable                                  | 70 m/min       | P        |

## Data sheet

|                              |                                           |          |   |
|------------------------------|-------------------------------------------|----------|---|
| INOX < 900 N/mm <sup>2</sup> | suitable                                  | 65 m/min | M |
| INOX > 900 N/mm <sup>2</sup> | suitable                                  | 60 m/min | M |
| Ti > 850 N/mm <sup>2</sup>   | suitable                                  | 35 m/min | S |
| GG(G)                        | suitable                                  | 95 m/min | K |
| Uni                          | suitable                                  |          |   |
| wet maximum                  | suitable                                  |          |   |
| wet minimum                  | suitable                                  |          |   |
| Air                          | suitable only under restricted conditions |          |   |

### Suitable products

No Shop URL available for: GG1255 3,3