

## Garant

**GARANT Master Steel SPEED solid carbide drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 5 mm**



### Order data

|              |               |
|--------------|---------------|
| Order number | 123026 5      |
| GTIN         | 4045197846211 |
| Item class   | 11E           |

### Description

#### Version:

Developed for use with **very high cutting speeds**. Outstandingly suitable for machines with **low installed power** and high speeds.

- **Clear reduction in cutting forces due to special cutter geometry.**
- **Coating for best wear resistance even at high process temperatures.**
- **Polished flutes for good chip clearance.**

A **slim chisel point** and the **special arrangement of the 4 guide chamfers** ensure **high positioning and alignment accuracy**. Optimised micro-geometry for increased working life and performance capability.

#### Recommendation:

##### Maximum drilling depth:

clamping slot length (see table) less 1.5×nominal Ø.

#### Note:

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

Standard: Manufacturer's standard

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 49.5 mm

Overall length L: 95 mm

Shank Ø  $D_s$ : 6 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.1 mm/rev.

### Technical description

|               |      |
|---------------|------|
| Shank Ø $D_s$ | 6 mm |
|---------------|------|

|  |                         |
|--|-------------------------|
| Nominal $\varnothing D_c$                  | 5 mm                    |
| Standard                                   | Manufacturer's standard |
| Flute length $L_c$                         | 57 mm                   |
| Feed $f$ in steel < 1100 N/mm <sup>2</sup> | 0.1 mm/rev.             |
| Overall length $L$                         | 95 mm                   |
| Tolerance nominal $\varnothing$            | h7                      |
| Number of cutting edges $Z$                | 2                       |
| recommended maximum drilling depth $L_2$   | 49.5 mm                 |
| Series                                     | GARANT Master Steel     |
| Coating                                    | TiAlN                   |
| Tool material                              | Solid carbide           |
| Drill depth up to                          | 8xD                     |
| Point angle                                | 135 degrees             |
| Cutting direction                          | right-hand              |
| Shank                                      | DIN 6535 HB to h6       |
| Through-coolant                            | yes, to 25 bar          |
| Machining strategy                         | HPC                     |
| Semi-Standard                              | yes                     |
| Colour ring                                | green                   |
| Type of product                            | Jobber drill            |