

## Garant

**GARANT Master Steel SPEED solid carbide drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 11,3 mm**



### Order data

|              |               |
|--------------|---------------|
| Order number | 123026 11,3   |
| GTIN         | 4045197846846 |
| 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  $L_2$ : 97.1 mm

Overall length L: 162 mm

Shank Ø  $D_s$ : 12 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.2 mm/rev.

### Technical description

|                     |    |
|---------------------|----|
| Tolerance nominal Ø | h7 |
|---------------------|----|

|   |                         |
|---|-------------------------|
| Shank $\varnothing D_s$                           | 12 mm                   |
| Feed f in steel < 1100 N/mm <sup>2</sup>          | 0.2 mm/rev.             |
| Overall length L                                  | 162 mm                  |
| Nominal $\varnothing D_c$                         | 11.3 mm                 |
| Standard  | Manufacturer's standard |
| Number of cutting edges Z                         | 2                       |
| recommended maximum drilling depth L <sub>2</sub> | 97.1 mm                 |
| Flute length L <sub>c</sub>                       | 114 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            |