

## Garant

**GARANT Master Steel SPEED solid carbide drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7: 8,7 mm**



### Order data

|              |               |
|--------------|---------------|
| Order number | 123025 8,7    |
| GTIN         | 4045197844149 |
| 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:

flute length (see table) less 1.5×nominal Ø.

#### Note:

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

Versions HB and HE supplied at the same price as HA.

Form **HB**: order with **No. 123026**.

Form **HE**: order with **No. 123025 + 129100HE**.

Standard: Manufacturer's standard

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 82 mm

Overall length L: 142 mm

Shank Ø  $D_s$ : 10 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.18 mm/rev.

### Technical description

|                                                   |                         |
|---------------------------------------------------|-------------------------|
| Overall length L                                  | 142 mm                  |
| Shank $\varnothing D_s$                           | 10 mm                   |
| Feed f in steel < 1100 N/mm <sup>2</sup>          | 0.18 mm/rev.            |
| Standard                                          | Manufacturer's standard |
| Number of cutting edges Z                         | 2                       |
| recommended maximum drilling depth L <sub>2</sub> | 82 mm                   |
| Tolerance nominal $\varnothing$                   | h7                      |
| Flute length L <sub>c</sub>                       | 95 mm                   |
| Nominal $\varnothing D_c$                         | 8.7 mm                  |
| Series                                            | GARANT Master Steel     |
| Coating                                           | TiAlN                   |
| Tool material                                     | Solid carbide           |
| Drill depth up to                                 | 8×D                     |
| Point angle                                       | 135 degrees             |
| Shank                                             | DIN 6535 HA to h6       |
| Through-coolant                                   | yes, with 25 bar        |
| Machining strategy                                | HPC                     |
| Semi-Standard                                     | yes                     |
| Colour ring                                       | green                   |
| Type of product                                   | Jobber drill            |

## Services

|                        |           |
|------------------------|-----------|
| Shank grinding Type HE | 129100 HE |
|------------------------|-----------|