

## Garant

**GARANT Master Steel SPEED solid carbide drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 4,76-Xmm**



### Order data

|              |               |
|--------------|---------------|
| Order number | 122426 4,76-X |
| GTIN         | 4062406077259 |
| 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.

#### Note:

Flute length  $L_c = L_2 + 1.5 \times D_c$ . Delivery time: 12 working weeks

Minimum order quantity: 3 pcs

Items made to order for a specific customer:

Cancellation only up to a maximum of 3 working days after receipt of order acknowledgement.

Items cannot be returned. We reserve the right to over-deliver or under-deliver by  $\pm 10\%$  (minimum 1 piece).

### Technical description

|   |              |
|---|--------------|
| Feed $f$ in steel $< 1100 \text{ N/mm}^2$ | 0.16 mm/rev. |
| Tolerance nominal $\emptyset$             | h7           |
| Flute length $L_c$                        | 28 mm        |
| Overall length $L$                        | 66 mm        |
| Standard                                  | DIN 6537 K   |

|                           |                   |
|---------------------------|-------------------|
| Shank $\varnothing D_s$   | 6 mm              |
| Number of cutting edges Z | 2                 |
| $\varnothing$ range       | 4.76 - 6.05 mm    |
| Series                    | Master Steel      |
| Coating                   | TiAlN             |
| Tool material             | solid carbide     |
| Version                   | 4xD               |
| Point angle               | 135 degrees       |
| Shank                     | DIN 6535 HB to h6 |
| Through-coolant           | Yes, with 25 bar  |
| Machining strategy        | HPC               |
| Semi-Standard             | yes               |
| Colour ring               | green             |
| Type of product           | Jobber drill      |

## User data

|                                | Suitability                               | $V_c$     | ISO code |
|--------------------------------|---|-----------|----------|
| Steel < 500 N/mm <sup>2</sup>  | suitable                                  | 220 m/min | P        |
| Steel < 750 N/mm <sup>2</sup>  | suitable                                  | 200 m/min | P        |
| Steel < 900 N/mm <sup>2</sup>  | suitable                                  | 180 m/min | P        |
| Steel < 1100 N/mm <sup>2</sup> | suitable                                  | 170 m/min | P        |
| Steel < 1400 N/mm <sup>2</sup> | suitable                                  | 90 m/min  | P        |
| INOX < 900 N/mm <sup>2</sup>   | suitable only under restricted conditions | 75 m/min  | M        |
| GG                             | suitable                                  | 160 m/min | K        |
| GGG                            | suitable                                  | 130 m/min | K        |
| Uni                            | suitable                                  |           |          |
| wet maximum                    | suitable                                  |           |          |
| wet minimum                    | suitable                                  |           |          |

