

**Garant**
**GARANT Master Steel SPEED solid carbide drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7: 4,5 mm**

**Order data**

Order number	122425 4,5
GTIN	4045197785282
Item class	11E

**Description**
**Version:**

Developed for use with **very high cutting speeds**. Outstandingly suitable for machines with **low power output** 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 edge** 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**: state **No.122426** on the order.

Form **HE**: order with **No.122425 + 129100HE**.

Standard: DIN 6537 K

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 17.3 mm

Overall length L: 66 mm

Shank Ø  $D_s$ : 6 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.16 mm/rev.

## Technical description

Shank $\varnothing D_s$	6 mm
Flute length $L_c$	24 mm
Number of cutting edges Z	2
Overall length L	66 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.16 mm/rev.
Shank tolerance	h6
Nominal $\varnothing D_c$	4.5 mm
Standard	DIN 6537 K
Tolerance nominal $\varnothing$	h7
recommended maximum drilling depth $L_2$	17.3 mm
Series	GARANT Master Steel
Coating	TiAlN
Tool material	solid carbide
Drill depth up to	4xD
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
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