

# GARANT Master Steel SPEED solid carbide drill, plain shank DIN 6535 HA, TiAIN, Ø DC h7: 13 mm



#### **Order data**

Order number	122415 13
GTIN	4045197784759
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  $1.5 \times \text{nominal } \emptyset$ .

#### Note:

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

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

Form **HB:** order with **No. 122416**.

Form **HE:** order with **No. 122415 + 129100HE**.

Standard: DIN 6537 K
Tolerance nominal Ø: h7
Number of cutting edges Z: 2
Tolerance nominal Ø: h7

recommended maximum drilling depth L<sub>2</sub>: 40.5 mm

Overall length L: 107 mm Shank Ø D<sub>s</sub>: 14 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.31 mm/rev.

# **Technical description**

Overall length L	107 mm
Standard	DIN 6537 K
Nominal Ø D <sub>c</sub>	13 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.31 mm/rev.
Shank Ø D <sub>s</sub>	14 mm
Tolerance nominal Ø	h7
Number of cutting edges Z	2
Shank tolerance	h6
Flute length L <sub>c</sub>	60 mm
recommended maximum drilling depth $L_2$	40.5 mm
Series	GARANT Master Steel
Coating	TiAIN
Tool material	solid carbide
Drill depth up to	4×D
Point angle	135 degrees
Shank	DIN 6535 HA to h6
Through-coolant	no
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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