

## Garant

**GARANT Master Steel SPEED solid carbide drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 19,5 mm**



### Order data

Order number	122416 19,5
GTIN	4045197791214
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: DIN 6537 K

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Semi-Standard: yes

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 49.8 mm

Overall length L: 131 mm

Shank Ø  $D_s$ : 20 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.38 mm/rev.

### Technical description

Number of cutting edges Z	2
Flute length L <sub>c</sub>	79 mm
Tolerance nominal Ø	h7
Overall length L	131 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.38 mm/rev.
Standard	DIN 6537 K
Shank tolerance	h6
Shank Ø D <sub>s</sub>	20 mm
Nominal Ø D <sub>c</sub>	19.5 mm
recommended maximum drilling depth L <sub>2</sub>	49.8 mm
Semi-Standard	yes
Series	GARANT Master Steel
Coating	TiAlN
Tool material	solid carbide
Drill depth up to	4×D
Point angle	135 degrees
Shank	DIN 6535 HB to h6
Through-coolant	no
Machining strategy	HPC
Colour ring	green
Type of product	Jobber drill