

## Garant

**GARANT Master Steel FEED solid carbide drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 16,5 mm**



### Order data

Order number	122726 16,5
GTIN	4045197795779
Item class	11E

### Description

#### Version:

**3-flute drill**, specially developed for use at **very high feed rates**. Outstandingly suitable for **machines with high installed power** and stable operating conditions.

- **Special cutter geometry with stable cutting edges and large clearance at the centre enables very high feed rates.**
- **The patented tip is optimised for chip flow and generates low cutting pressure with good chip breakage.**
- **With 145° tip angle for low burr formation when drilling through holes.**

The **sector-leading technology of the chisel point** guarantees **optimum self-centring behaviour** and permits spot drilling on irregular surfaces. 3 guide chamfers guarantee a stable exit from the hole and an exact roundness of the hole.

#### Recommendation:

##### Maximum drilling depth:

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

##### Note:

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

Standard: DIN 6537

Tolerance nominal Ø: h7

Number of cutting edges Z: 3

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 68.3 mm

Overall length L: 143 mm

Shank Ø  $D_s$ : 18 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.66 mm/rev.

### Technical description

Feed f in steel < 1100 N/mm <sup>2</sup>	0.66 mm/rev.
Shank Ø D <sub>s</sub>	18 mm
Tolerance nominal Ø	h7
Number of cutting edges Z	3
Overall length L	143 mm
Standard	DIN 6537
Flute length L <sub>c</sub>	93 mm
Nominal Ø D <sub>c</sub>	16.5 mm
recommended maximum drilling depth L <sub>2</sub>	68.3 mm
Series	GARANT Master Steel
Coating	TiAlN
Tool material	solid carbide
Drill depth up to	6×D
Point angle	145 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