

## Garant

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



### Order data

Order number	122726 19
GTIN	4045197795878
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  $L_2$ : 72.5 mm

Overall length L: 153 mm

Shank Ø  $D_s$ : 20 mm

Feed  $f$  in steel < 1100 N/mm<sup>2</sup>: 0.69 mm/rev.

### Technical description

Nominal $\varnothing D_c$	19 mm
Flute length $L_c$	101 mm
Overall length $L$	153 mm
Feed $f$ in steel < 1100 N/mm <sup>2</sup>	0.69 mm/rev.
Standard	DIN 6537
Number of cutting edges $Z$	3
Tolerance nominal $\varnothing$	h7
Shank $\varnothing D_s$	20 mm
recommended maximum drilling depth $L_2$	72.5 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