

**Garant**
**GARANT Master Steel FEED solid carbide drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 7/16 mm**

**Order data**

Order number	122726 7/16
GTIN	4045197976253
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  $L_c = L_2 + 1.5 \times D_c$ .

Machining strategy: HPC

Standard: DIN 6537

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Semi-Standard: yes

Tolerance nominal Ø: h7

recommended maximum drilling depth  $L_2$ : 54.335 mm

Overall length L: 118 mm

Shank Ø  $D_s$ : 12 mm

Feed f in steel < 1100 N/mm<sup>2</sup>: 0.5 mm/rev.

## Technical description

Overall length L	118 mm
Inch nominal $\varnothing$ corresponds to	11.11 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.5 mm/rev.
Number of cutting edges Z	2
Standard	DIN 6537
Shank $\varnothing D_s$	12 mm
recommended maximum drilling depth L <sub>2</sub>	54.335 mm
Tolerance nominal $\varnothing$	h7
Flute length L <sub>c</sub>	71 mm
Semi-Standard	yes
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
Colour ring	green
Type of product	Jobber drill