

Garant

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



Order data

Order number	122436 7/16
GTIN	4062406126964
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 machining 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 a 145° point angle for low burrs on emerging from 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:

clamping slot 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 K

Tolerance nominal Ø: h7

Number of cutting edges Z: 3

Semi-Standard: yes

Tolerance nominal Ø: h7

recommended maximum drilling depth L_2 : 38.335 mm

Overall length L: 102 mm

Shank Ø D_s : 12 mm

Feed f in steel < 1100 N/mm²: 0.5 mm/rev.

Technical description

Flute length L_c	55 mm
recommended maximum drilling depth L_2	38.335 mm
Standard	DIN 6537 K
Feed f in steel < 1100 N/mm ²	0.5 mm/rev.
Tolerance nominal \varnothing	h7
Shank $\varnothing D_s$	12 mm
Overall length L	102 mm
Number of cutting edges Z	3
Inch nominal \varnothing corresponds to	11.11 mm
Semi-Standard	yes
Series	GARANT Master Steel
Coating	TiAlN
Tool material	solid carbide
Drill depth up to	4xD
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