

Garant

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


Order data

Order number	123035 7/16
GTIN	4062406112417
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.**

The **sector-leading technology of the drill point** guarantees **optimum self-centring behaviour**. 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 $L_c = L_2 + 1.5 \times D_c$.

Form HB and HE supplied at the same price as HA.

Form **HB**: order with **No. 123036**.

Form **HE**: order with **No. 123035 + 129100HE**.

Machining strategy: HPC

Standard: Manufacturer's standard

Tolerance nominal Ø: h7

Number of cutting edges Z: 3

Semi-Standard: yes

Tolerance nominal Ø: h7

recommended maximum drilling depth L_2 : 97.5 mm

Overall length L: 162 mm

Shank Ø D_s : 12 mm

Feed f in steel $< 1100 \text{ N/mm}^2$: 0.5 mm/rev.

Technical description

Inch nominal \varnothing corresponds to	11,11 mm
Number of cutting edges Z	3
Standard	Manufacturer's standard
Feed f in steel $< 1100 \text{ N/mm}^2$	0.5 mm/rev.
Flute length L_c	114 mm
recommended maximum drilling depth L_2	97.5 mm
Overall length L	162 mm
Shank $\varnothing D_s$	12 mm
Tolerance nominal \varnothing	h7
Semi-Standard	yes
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	8xD
Point angle	140 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, to 25 bar
Machining strategy	HPC
Colour ring	green
Type of product	Jobber drill

Services

Shank grinding Type HE	129100 HE
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