

Garant

GARANT Master Steel FEED solid carbide drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7 (mm or inch): 5,6 mm or inch



Order data

| | |
|--------------|---------------|
| Order number | 123035 5,6 |
| GTIN | 4045197839251 |
| 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 $1.5 \times \text{nominal } \varnothing$.

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**.

Standard: Manufacturer's standard

Tolerance nominal \varnothing : h7

Number of cutting edges Z: 3

Tolerance nominal \varnothing : h7

recommended maximum drilling depth L_2 : 48.6 mm

Overall length L: 95 mm

Shank $\varnothing D_s$: 6 mm

Feed f in steel $< 1100 \text{ N/mm}^2$: 0.32 mm/rev.

Technical description

| | |
|---|-------------------------|
| Feed f in steel < 1100 N/mm ² | 0.32 mm/rev. |
| Nominal Ø D _c | 5.6 mm |
| Flute length L _c | 57 mm |
| Overall length L | 95 mm |
| recommended maximum drilling depth L ₂ | 48.6 mm |
| Standard | Manufacturer's standard |
| Number of cutting edges Z | 3 |
| Tolerance nominal Ø | h7 |
| Shank Ø D _s | 6 mm |
| Series | GARANT Master Steel |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Drill depth up to | 8×D |
| Point angle | 140 degrees |
| Shank | DIN 6535 HA to h6 |
| Through-coolant | yes, to 25 bar |
| Machining strategy | HPC |
| Semi-Standard | yes |
| Colour ring | green |
| Type of product | Jobber drill |

Services

| | |
|------------------------|-----------|
| Shank grinding Type HE | 129100 HE |
|------------------------|-----------|