

GARANT Master Steel FEED solid carbide drill, Weldon shank DIN 6535 HB, TiAIN, Ø DC h7: 8,3 mm



Order data

| Order number | 122726 8,3 |
|--------------|---------------|
| GTIN | 4045197795229 |
| 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 $1.5 \times \text{nominal } \emptyset$.

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 L₂: 48.6 mm

Overall length L: 103 mm Shank Ø D_s: 10 mm

Feed f in steel < 1100 N/mm²: 0.44 mm/rev.

Technical description

Å Hoffmann Group

| Feed f in steel < 1100 N/mm² Shank Ø D ₃ 10 mm Number of cutting edges Z Tolerance nominal Ø Overall length L Standard DIN 6537 recommended maximum drilling depth L ₂ Series GARANT Master Steel Coating TiAlN Tool material Solid carbide Drill depth up to Point angle Shank DIN 6535 HB to h6 Through-coolant Machining strategy HPC Semi-Standard O.44 mm/rev. 10 mm And Mann And Man | Flute langeth I | 61 00 00 |
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| Feed f in steel < 1100 N/mm² Shank Ø D ₃ 10 mm Number of cutting edges Z Tolerance nominal Ø Overall length L Standard DIN 6537 recommended maximum drilling depth L ₂ Series GARANT Master Steel Coating TiAlN Tool material Solid carbide Drill depth up to Point angle Shank DIN 6535 HB to h6 Through-coolant Machining strategy HPC Semi-Standard O.44 mm/rev. 10 mm And Mann And Man | Flute length L _c | OT IIIII |
| Shank Ø D₃ 10 mm Number of cutting edges Z 3 Tolerance nominal Ø h7 Overall length L 103 mm Standard DIN 6537 recommended maximum drilling depth L₂ 48.6 mm Series GARANT Master Steel Coating TiAIN 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 | Nominal Ø D _c | 8.3 mm |
| Number of cutting edges Z Tolerance nominal Ø h7 Overall length L Standard DIN 6537 recommended maximum drilling depth L₂ Series GARANT Master Steel Coating TiAlN Tool material Drill depth up to 6×D Point angle Shank DIN 6535 HB to h6 Through-coolant Machining strategy HPC Semi-Standard Colour ring Solid carbide 145 degrees HPC Semi-Standard yes Colour ring green | Feed f in steel < 1100 N/mm ² | 0.44 mm/rev. |
| Tolerance nominal Ø h7 Overall length L 103 mm Standard DIN 6537 recommended maximum drilling depth L₂ 48.6 mm Series GARANT Master Steel Coating TiAIN 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 | Shank Ø D₅ | 10 mm |
| Overall length L Standard DIN 6537 recommended maximum drilling depth L2 48.6 mm Series GARANT Master Steel Coating TiAIN 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 | Number of cutting edges Z | 3 |
| Standard DIN 6537 recommended maximum drilling depth L2 48.6 mm Series GARANT Master Steel Coating TiAIN Tool material Solid carbide Drill depth up to 6×D Point angle 145 degrees Shank DIN 6535 HB to h6 Through-coolant Machining strategy HPC Semi-Standard yes Colour ring GRRANT Master Steel 148.6 mm 6×D TiAIN Tool material Solid carbide 6×D 145 degrees HPC yes, with 25 bar HPC | Tolerance nominal Ø | h7 |
| recommended maximum drilling depth L2 48.6 mm GARANT Master Steel TiAlN Tool material Drill depth up to Point angle Shank DIN 6535 HB to h6 Through-coolant Machining strategy HPC Semi-Standard Colour ring 48.6 mm 48.6 mm 48.6 mm 48.6 mm 48.6 mm All All All All All All All All All Al | Overall length L | 103 mm |
| Series GARANT Master Steel Coating TiAIN 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 | Standard | DIN 6537 |
| Coating TiAIN 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 | recommended maximum drilling depth L ₂ | 48.6 mm |
| 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 | Series | GARANT Master Steel |
| 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 | Coating | TiAIN |
| 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 | Tool material | solid carbide |
| Shank DIN 6535 HB to h6 Through-coolant Machining strategy HPC Semi-Standard yes Colour ring green | Drill depth up to | 6×D |
| Through-coolant yes, with 25 bar Machining strategy HPC Semi-Standard yes Colour ring green | Point angle | 145 degrees |
| Machining strategy Semi-Standard Colour ring HPC yes green | Shank | DIN 6535 HB to h6 |
| Semi-Standard yes Colour ring green | Through-coolant | yes, with 25 bar |
| Colour ring green | Machining strategy | HPC |
| - | Semi-Standard | yes |
| Type of product Jobber drill | Colour ring | green |
| | Type of product | Jobber drill |