

GARANT Master Steel FEED solid carbide drill, Weldon shank DIN 6535 HB, TiAIN, Ø DC h7: 7,2 mm



Order data

Order number	122726 7,2
GTIN	4045197795113
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: 42.2 mm

Overall length L: 91 mm Shank Ø D_s: 8 mm

Feed f in steel < 1100 N/mm²: 0.37 mm/rev.

Technical description

Nominal Ø D₂ Shank Ø D₃ Rumber of cutting edges Z Flute length L₂ Flute length L₂ Flute length L₂ Tolerance nominal Ø Overall length L Standard Overall length L Standard DIN 6537 recommended maximum drilling depth L₂ Series GARANT Master Steel Coating TiAIN Tool material Solid carbide Drill depth up to Point angle Shank DIN 6535 HB to h6 Through-coolant Machining strategy Semi-Standard Yes Colour ring Type of product Jobber drill	N . 100	7.2
Number of cutting edges Z Flute length L_c 53 mm Feed f in steel < 1100 N/mm² 0.37 mm/rev. Tolerance nominal Ø h7 Overall length L 91 mm Standard DIN 6537 recommended maximum drilling depth L_2 42.2 mm Series GARANT Master Steel Coating TiAIN Tool material brill depth up to Point angle Shank DIN 6535 HB to h6 Through-coolant Machining strategy HPC Semi-Standard Colour ring green	Nominal Ø D _c	7.2 mm
Flute length L _c Feed f in steel < 1100 N/mm² 70lerance nominal Ø Noverall length L Standard DIN 6537 recommended maximum drilling depth L₂ Series GARANT Master Steel Coating TiAIN Tool material Drill depth up to Point angle Shank DIN 6535 HB to h6 Through-coolant Machining strategy HPC Semi-Standard 0.37 mm/rev. 617 628 638 647 647 658 658 658 658 658 658 658 65	Shank Ø D₅	8 mm
Feed f in steel < 1100 N/mm² Tolerance nominal Ø N7 Overall length L 91 mm Standard DIN 6537 recommended maximum drilling depth L₂ Series GARANT Master Steel Coating TiAlN Tool material Solid carbide Drill depth up to 6×D Point angle Shank DIN 6535 HB to h6 Through-coolant Machining strategy HPC Semi-Standard yes Colour ring 17 0.37 mm/rev. 17 18 91 19 19 10 11 11 12 13 14 14 14 15 16 17 17 18 18 18 18 18 18 18 18	Number of cutting edges Z	3
Tolerance nominal Ø h7 Overall length L 91 mm Standard DIN 6537 recommended maximum drilling depth L₂ 42.2 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	Flute length L _c	53 mm
Overall length L Standard DIN 6537 recommended maximum drilling depth L ₂ 42.2 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	Feed f in steel < 1100 N/mm ²	0.37 mm/rev.
StandardDIN 6537recommended maximum drilling depth L₂42.2 mmSeriesGARANT Master SteelCoatingTiAINTool materialsolid carbideDrill depth up to6×DPoint angle145 degreesShankDIN 6535 HB to h6Through-coolantyes, with 25 barMachining strategyHPCSemi-StandardyesColour ringgreen	Tolerance nominal Ø	h7
recommended maximum drilling depth L2 42.2 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	Overall length L	91 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
CoatingTiAINTool materialsolid carbideDrill depth up to6×DPoint angle145 degreesShankDIN 6535 HB to h6Through-coolantyes, with 25 barMachining strategyHPCSemi-StandardyesColour ringgreen	recommended maximum drilling depth L ₂	42.2 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 HPC Semi-Standard yes Colour ring 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