Garant

GARANT Master Steel SPEED solid carbide drill, Weldon shank DIN 6535 HB, TIAIN, Ø DC h7: 6,7 mm

Arrent Arrent

Order data

Order number	122716 6,7
GTIN	4045197793942
Item class	11E

Description

Version:

Developed for use with **very high cutting speeds**. Outstandingly suitable for machines with **low installed power** and high speeds.

- · Clear reduction in cutting forces due to special cutter geometry.
- · Coating for best wear resistance even at high process temperatures.
- · Polished flutes for good chip clearance.
- A slim chisel point and the special arrangement of the 4 guide chamfers ensure high positioning and alignment accuracy. Optimised micro-geometry for increased working life and performance capability.

Recommendation:

Maximum drilling depth:

clamping slot length (see table) less $1.5 \times nominal \emptyset$.

Note:

Flute length $L_c = L_2 + 1.5 \times D_c$.

- Standard: DIN 6537
- Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

- recommended maximum drilling depth L₂: 43 mm
- Overall length L: 91 mm

Shank Ø D₅: 8 mm

Feed f in steel < 1100 N/mm²: 0.22 mm/rev.

Technical description

Feed f in steel < 1100 N/mm²

0.22 mm/rev.

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Shank Ø Ds8 mmNominal Ø Dc6.7 mmNumber of cutting edges Z2Tolerance nominal Øh7StandardDIN 6537Flute length Lc53 mmrecommended maximum drilling depth L243 mmSeriesGARANT Master SteelCoatingTiAINTool materialsolid carbideDrill depth up to6×DPoint angle135 degreesCutting directionright-handShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC	Overall length L	91 mm
Number of cutting edges Z2Tolerance nominal Øh7StandardDIN 6537Flute length Lc53 mmrecommended maximum drilling depth L243 mmSeriesGARANT Master SteelCoatingTiAINTool materialSolid carbideDrill depth up to6×DPoint angle135 degreesCutting directionright-handShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC		8 mm
Tolerance nominal Øh7StandardDIN 6537Flute length L53 mmFlute length L43 mmrecommended maximum drilling depth L243 mmSeriesGARANT Master SteelCoatingTiAINTool materialsolid carbideDrill depth up to6×DPoint angle135 degreesCutting directionright-handShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC	Nominal Ø D _c	6.7 mm
StandardDIN 6537Flute length L,53 mmrecommended maximum drilling depth L243 mmSeriesGARANT Master SteelCoatingTiAINTool materialSolid carbideDrill depth up to6×DPoint angle135 degreesCutting directionright-handShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC	Number of cutting edges Z	2
Flute length Lc53 mmrecommended maximum drilling depth L243 mmSeriesGARANT Master SteelCoatingTiAINTool materialSolid carbideDrill depth up to6×DPoint angle135 degreesCutting directionright-handShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC	Tolerance nominal Ø	h7
recommended maximum drilling depth L ₂ Series GARANT Master Steel Coating TiAlN Tool material Drill depth up to Point angle Cutting direction Shank Through-coolant Machining strategy	Standard	DIN 6537
SeriesGARANT Master SteelCoatingTiAINTool materialsolid carbideDrill depth up to6×DPoint angle135 degreesCutting directionright-handShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC	Flute length L _c	53 mm
CoatingTiAINTool materialsolid carbideDrill depth up to $6 \times D$ Point angle135 degreesCutting directionright-handShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC	recommended maximum drilling depth L ₂	43 mm
Tool materialsolid carbideDrill depth up to6×DPoint angle135 degreesCutting directionright-handShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC	Series	GARANT Master Steel
Drill depth up to6×DPoint angle135 degreesCutting directionright-handShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC	Coating	TiAIN
Point angle135 degreesCutting directionright-handShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC	Tool material	solid carbide
Cutting directionright-handShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC	Drill depth up to	6×D
ShankDIN 6535 HB to h6Through-coolantYes, with 25 barMachining strategyHPC	Point angle	135 degrees
Through-coolantYes, with 25 barMachining strategyHPC	Cutting direction	right-hand
Machining strategy HPC	Shank	DIN 6535 HB to h6
	Through-coolant	Yes, with 25 bar
Semi-Standard yes	Machining strategy	HPC
	Semi-Standard	yes
Colour ring green	Colour ring	green
Type of product Jobber drill	Type of product	Jobber drill