Garant

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



Order data

Order number	122416 7,2
GTIN	4045197790439
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 K Tolerance nominal Ø: h7 Number of cutting edges Z: 2 Semi-Standard: yes Tolerance nominal Ø: h7 recommended maximum drilling depth L₂: 30.2 mm Overall length L: 79 mm Shank Ø D₃: 8 mm Feed f in steel < 1100 N/mm²: 0.22 mm/rev.

Technical description

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Data sheet

Tolerance nominal Øh7Folerance nominal Øh7Feed f in steel < 1100 N/mm²0.22 mm/rev.StandardDIN 6537 KNominal Ø Dc7.2 mmShank toleranceh6Shank VDs,8 mmNumber of cutting edges Z2recommended maximum drilling depth L230.2 mmSeriesGARANT Master SteelStriesGARANT Master SteelCoating135 degreesDrill depth up to4×DPoint angle135 degreesShankDIN 6535 HB to h6Through-coolantnoMachining strategyHPCCoour ringgreen	Flute length L _c	41 mm
Feed f in steel < 1100 N/mm²0.22 mm/rev.StandardDIN 6537 KNominal Ø Dc7.2 mmShank toleranceh6Shank Ø Ds8 mmNumber of cutting edges Z2recommended maximum drilling depth L230.2 mmSemi-StandardyesSeriesGARANT Master SteelCoatingTiAlNTool materialsolid carbideDrill depth up to4×DPoint angleDIN 6535 HB to h6Through-coolantnoMachining strategyHPCColour ringGreen	Overall length L	79 mm
StandardDIN 6537 KNominal Ø Dc7.2 mmShank toleranceh6Shank Ø Ds8 mmShank Ø Ds8 mmNumber of cutting edges Z2recommended maximum drilling depth L230.2 mmSemi-StandardyesSeriesGARANT Master SteelCoating11AINTool materialsolid carbideDrill depth up to4×DPoint angle135 degreesShankDIN 6535 HB to h6Through-coolantnoMachining strategyHPCColour ringgreen	Tolerance nominal Ø	h7
Nominal Ø Dc7.2 mmShank tolerance16Shank Ø D,8 mmNumber of cutting edges Z2recommended maximum drilling depth L230.2 mmSemi-StandardyesSeriesGARANT Master SteelCoatingTiAINTool materialsolid carbideDrill depth up to4×DPoint angle135 degreesShankDIN 6535 HB to h6Through-coolantHPCMachining strategyHPC	Feed f in steel < 1100 N/mm ²	0.22 mm/rev.
Shank toleranceh6Shank Ø Ds8 mmNumber of cutting edges Z2recommended maximum drilling depth L230.2 mmSemi-StandardyesSeriesGARANT Master SteelCoatingTiAINTool materialsolid carbideDrill depth up to4×DPoint angleDIN 6535 HB to h6ShankNDN 6535 HB to h6Machining strategyHPCCoour ringgreen	Standard	DIN 6537 K
Shank Ø D,8 mmNumber of cutting edges Z2recommended maximum drilling depth L230.2 mmSemi-StandardyesSeriesGARANT Master SteelCoatingTiAINTool materialSolid carbideDrill depth up to4×DPoint angle135 degreesShankDIN 6535 HB to h6Through-coolantHPCColour ringGreen	Nominal Ø D _c	7.2 mm
Number of cutting edges Z2recommended maximum drilling depth L230.2 mmSemi-StandardyesSemi-StandardGARANT Master SteelCoatingTiAlNCoatingSolid carbideDrol material4×DDrill depth up to135 degreesShankDIN 6535 HB to h6Through-coolantnoMachining strategyHPCColour ringgreen	Shank tolerance	h6
recommended maximum drilling depth L ₂ 30.2 mm Semi-Standard yes GaRANT Master Steel GaRANT Master Steel TiAIN Coating TiAIN Tool material osolid carbide Drill depth up to 4×D Point angle 135 degrees Shank DIN 6535 HB to h6 Through-coolant no Machining strategy GIN 6535 HB to h6	Shank Ø D _s	8 mm
Semi-Standard yes GARANT Master Steel Coating TiAIN Tool material Solid carbide Drill depth up to 4×D Point angle Shank DIN 6535 HB to h6 Through-coolant no Machining strategy GIN 6535 HB to h6	Number of cutting edges Z	2
SeriesGARANT Master SteelCoatingTiAINTool materialsolid carbideDrill depth up to4×DPoint angle135 degreesShankDIN 6535 HB to h6Through-coolantnoMachining strategyHPCColour ringgreen	recommended maximum drilling depth L_2	30.2 mm
CoatingTiAINTool materialsolid carbideDrill depth up to4×DPoint angle135 degreesShankDIN 6535 HB to h6Through-coolantnoMachining strategyHPCColour ringgreen	Semi-Standard	yes
Tool materialsolid carbideDrill depth up to4×DPoint angle135 degreesShankDIN 6535 HB to h6Through-coolantnoMachining strategyHPCColour ringgreen	Series	GARANT Master Steel
Drill depth up to4×DPoint angle135 degreesShankDIN 6535 HB to h6Through-coolantnoMachining strategyHPCColour ringgreen	Coating	TiAIN
Point angle 135 degrees Shank DIN 6535 HB to h6 Through-coolant no Machining strategy HPC Colour ring green	Tool material	solid carbide
Shank DIN 6535 HB to h6 Through-coolant no Machining strategy HPC Colour ring green	Drill depth up to	4×D
Through-coolant no Machining strategy HPC Colour ring green	Point angle	135 degrees
Machining strategy HPC Colour ring green	Shank	DIN 6535 HB to h6
Colour ring green	Through-coolant	no
	Machining strategy	HPC
Type of product Jobber drill	Colour ring	green
	Type of product	Jobber drill