

Garant**GARANT Master Steel SPEED solid carbide drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 13,8 mm****Order data**

Order number	122426 13,8
GTIN	4045197792204
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 Ø.

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

Tolerance nominal Ø: h7

recommended maximum drilling depth L_2 : 39.3 mm

Overall length L: 107 mm

Shank Ø D_s : 14 mm

Feed f in steel < 1100 N/mm²: 0.31 mm/rev.

Technical description

Standard	DIN 6537 K
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Number of cutting edges Z	2
Shank tolerance	h6
Shank Ø D _s	14 mm
Overall length L	107 mm
Flute length L _c	60 mm
Feed f in steel < 1100 N/mm ²	0.31 mm/rev.
Tolerance nominal Ø	h7
Nominal Ø D _c	13.8 mm
recommended maximum drilling depth L ₂	39.3 mm
Series	GARANT Master Steel
Coating	TiAlN
Tool material	solid carbide
	4xD
Point angle	135 °
Shank	DIN 6535 HB to h6
Through-coolant	Yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill

User data

	Suitability	V _c	ISO code
Steel < 500 N/mm ²	suitable	220 m/min	P
Steel < 750 N/mm ²	suitable	200 m/min	P
Steel < 900 N/mm ²	suitable	180 m/min	P
Steel < 1100 N/mm ²	suitable	170 m/min	P
Steel < 1400 N/mm ²	suitable	90 m/min	P

INOX < 900 N/mm ²	suitable only under restricted conditions	75 m/min	M
GG	suitable	160 m/min	K
GGG	suitable	130 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		