

GARANT Master Steel SPEED solid carbide drill, Weldon shank DIN 6535 HB, TiAIN, Ø DC h7: 4,1mm



Order data

Order number	122416 4,1		
GTIN	4045197790125		
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.

Note:

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

Technical description

Overall length L	66 mm	
Tolerance nominal Ø	h7	
Standard	DIN 6537 K	
Flute length L _c	24 mm	
Feed f in steel < 1100 N/mm ²	0.16 mm/rev.	
Number of cutting edges Z	2	
Shank tolerance	h6	
Nominal Ø D _c	4.1 mm	



Shank Ø D _s	6 mm	
recommended maximum drilling depth L_2	rilling depth L ₂ 17.9 mm	
Series	Master Steel	
Coating	TiAIN	
Tool material	solid carbide	
Version	4×D	
Point angle	135 degrees	
Shank	DIN 6535 HB to h6	
Through-coolant	no	
Machining strategy	HPC	
Semi-Standard	yes	
Colour ring	green	
Type of product	Jobber drill	

User data

	Suitability	\mathbf{V}_{c}	ISO code
Steel < 500 N/mm ²	suitable	170 m/min	Р
Steel < 750 N/mm ²	suitable	150 m/min	Р
Steel < 900 N/mm ²	suitable	120 m/min	Р
Steel < 1100 N/mm ²	suitable	110 m/min	Р
Steel < 1400 N/mm ²	suitable only under restricted conditions	60 m/min	Р
GG	suitable	110 m/min	K
GGG	suitable	100 m/min	K
Uni	suitable		
wet maximum	suitable		