

GARANT Master Steel SPEED solid carbide drill, plain shank DIN 6535 HA, TiAIN, Ø DC h7: 13mm



Order data

Order number	122425 13
GTIN	4045197786074
Item class	11E

Description

Version:

Developed for use with **very high cutting speeds**. Outstandingly suitable for machines with **low power output** 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 edge 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 $L_c = L_2 + 1.5 \times D_c$.

Versions HB and HE supplied at the same price as HA.

Form **HB:** state **No.122426** on the order.

Form **HE**: order with **No.122425** + **129100HE**.

Technical description

Nominal Ø D _c	13 mm	
Standard	DIN 6537 K	
Shank Ø D _s	14 mm	
Tolerance nominal Ø	h7	
Flute length L _c	60 mm	
Shank tolerance	h6	

Number of cutting edges Z	2	
Overall length L	107 mm	
Feed f in steel < 1100 N/mm ²	0.31 mm/rev.	
recommended maximum drilling depth L ₂	40.5 mm	
Series	Master Steel	
Coating	TiAIN	
Tool material	solid carbide	
Version	4×D	
Point angle	135 degrees	
Shank	DIN 6535 HA 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	Р
Steel < 750 N/mm ²	suitable	200 m/min	Р
Steel < 900 N/mm ²	suitable	180 m/min	Р
Steel < 1100 N/mm ²	suitable	170 m/min	Р
Steel < 1400 N/mm ²	suitable	90 m/min	Р
INOX < 900 N/mm ²	suitable only under restricted conditions	75 m/min	М
GG	suitable	160 m/min	K
GGG	suitable	130 m/min	K
Uni	suitable		
wet maximum	suitable		

wet minimum Services	suitable	
Jei vices		
Shank grinding Type HE		129100 HE