

Garant

GARANT Master Steel SPEED solid carbide drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7: 2mm



Order data

Order number	122715 2
GTIN	4045197781635
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:

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

Form **HB**: order with **No. 122716**.

Form **HE**: order with **No. 122715 + 129100HE**.

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 L_2 : 18 mm

Overall length L: 57 mm

Shank Ø D_s : 4 mm

Feed f in steel < 1100 N/mm²: 0.09 mm/rev.

Technical description

Nominal Ø D_c	2 mm
-----------------	------

Flute length L_c	21 mm
Standard	DIN 6537
Overall length L	57 mm
Shank $\varnothing D_s$	4 mm
Number of cutting edges Z	2
Feed f in steel < 1100 N/mm ²	0.09 mm/rev.
Tolerance nominal \varnothing	h7
recommended maximum drilling depth L_2	18 mm
Series	Master Steel
Coating	TiAlN
Tool material	solid carbide
Version	6×D
Point angle	135 °
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	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		