

Garant

GARANT Master Steel SPEED solid carbide drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7: 3mm



Order data

Order number	123025 3
GTIN	4045197838810
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 $L_c = L_2 + 1.5 \times D_c$.

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

Form **HB**: order with **No. 123026**.

Form **HE**: order with **No. 123025 + 129100HE**.

Standard: Manufacturer's standard

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Tolerance nominal Ø: h7

recommended maximum drilling depth L_2 : 29.5 mm

Overall length L: 72 mm

Shank Ø D_s : 6 mm

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

Technical description

Nominal Ø D_c	3 mm
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Overall length L	72 mm
Standard	Manufacturer's standard
Number of cutting edges Z	2
Flute length L_c	34 mm
Feed f in steel < 1100 N/mm ²	0.09 mm/rev.
recommended maximum drilling depth L_2	29.5 mm
Shank $\varnothing D_s$	6 mm
Tolerance nominal \varnothing	h7
Series	Master Steel
Coating	TiAlN
Tool material	Solid carbide
Version	8xD
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	195 m/min	P
Steel < 750 N/mm ²	suitable	150 m/min	P
Steel < 900 N/mm ²	suitable	135 m/min	P
Steel < 1100 N/mm ²	suitable	125 m/min	P
Steel < 1400 N/mm ²	suitable	80 m/min	P
INOX < 900 N/mm ²	suitable only under restricted conditions	65 m/min	M

GG	suitable	120 m/min	K
GGG	suitable	115 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		

Services

Shank grinding Type HE

129100 HE