

Garant

GARANT Master Steel SPEED solid carbide drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7: 16 mm



Order data

Order number	123025 16
GTIN	4045197844637
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:

flute length (see table) less 1.5×nominal Ø.

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 : 128 mm

Overall length L: 203 mm

Shank Ø D_s : 16 mm

Feed f in steel < 1100 N/mm²: 0.26 mm/rev.

Technical description

Standard	Manufacturer's standard
Shank $\varnothing D_s$	16 mm
Flute length L_c	152 mm
Overall length L	203 mm
Feed f in steel $< 1100 \text{ N/mm}^2$	0.26 mm/rev.
Tolerance nominal \varnothing	h7
recommended maximum drilling depth L_2	128 mm
Number of cutting edges Z	2
Nominal $\varnothing D_c$	16 mm
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	8xD
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

Services

Shank grinding Type HE	129100 HE
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