

Garant

Diabolo solid carbide HPC drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7: 3,5 mm



Order data

Order number	122651 3,5
GTIN	4045197970022
Item class	11E

Description

Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. **Convex major cutting edges** with **defined honed edge** ensure the drill has high stability and maximum load capacity.

Special multi-nano layer coating for drilling in hardened steels.

Recommendation:

Maximum drilling depth:

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

Note:

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

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

Form **HB**: order with **No. 122642 / 122652**.

Form **HE**: order with **No. 122641 / 122651 + 129100HE**.

Standard: DIN 6537

Tolerance nominal Ø: h7

Number of cutting edges Z: 2

Semi-Standard: yes

Tolerance nominal Ø: h7

recommended maximum drilling depth L_2 : 22.8 mm

Overall length L: 66 mm

Shank Ø D_s : 6 mm

Feed f in steel < 60 HRC: 0.03 mm/rev.

Technical description

Number of cutting edges Z	2
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Nominal $\varnothing D_c$	3.5 mm
recommended maximum drilling depth L_2	22.8 mm
Overall length L	66 mm
Standard	DIN 6537
Shank $\varnothing D_s$	6 mm
Tolerance nominal \varnothing	h7
Flute length L_c	28 mm
Feed f in steel < 60 HRC	0.03 mm/rev.
Semi-Standard	yes
Series	Diabolo
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	6×D
Type	H
Point angle	140 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Colour ring	red
Type of product	Jobber drill

Services

Shank grinding Type HE	129100 HE
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