

Garant
Solid carbide HPC drill plain shank DIN 6535 HA, TiAlN, Ø DC p6: 4,5 mm

Order data

Order number	122736 4,5
GTIN	4045197567062
Item class	11E

Description
Version:

Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry**. High roundness and alignment accuracy of the deep hole, thanks to **4 guide chamfers**. Outstanding chip evacuation due to **4 internal cooling channels** from Ø 3.8 mm. Up to 3.7 mm Ø with 2 internal cooling channels. With **140° point angle** and special **j6 cutting edge tolerance** for optimum generation of a pilot hole.

Recommendation:
Maximum drilling depth:

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

Note:

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

For deep-hole drilling deeper than 12×D a pilot hole is recommended, and for deep-hole drilling from 20×D to 30×D it is essential.

The generation of a pilot hole improves process reliability.

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

Form **HB**: order with **No. 122738**.

Form **HE**: order with **No. 122736 + 129100HE**.

Standard: DIN 6537

Tolerance nominal Ø: p6

Number of cutting edges Z: 2

Semi-Standard: yes

Tolerance nominal Ø: p6

recommended maximum drilling depth L_2 : 29.3 mm

Overall length L: 74 mm

Shank Ø D_s : 6 mm

Feed f in steel < 1100 N/mm²: 0.15 mm/rev.

Technical description

Number of cutting edges Z	2
Nominal $\varnothing D_c$	4.5 mm
Feed f in steel < 1100 N/mm ²	0.15 mm/rev.
Shank tolerance	h6
Flute length L _c	36 mm
Tolerance nominal \varnothing	p6
Shank $\varnothing D_s$	6 mm
Overall length L	74 mm
Standard	DIN 6537
recommended maximum drilling depth L ₂	29.3 mm
Semi-Standard	yes
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	6×D
Point angle	140 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Colour ring	green
Type of product	Jobber drill

Services

Shank grinding Type HE	129100 HE
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