

Garant
Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC p6: 6 mm

Order data

Order number	122738 6
GTIN	4045197567628
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:

clamping slot 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 always improves process reliability.

Standard: DIN 6537

Tolerance nominal Ø: p6

Number of cutting edges Z: 2

Tolerance nominal Ø: p6

recommended maximum drilling depth L_2 : 35 mm

Overall length L: 82 mm

Shank Ø D_s : 6 mm

Feed f in steel < 1100 N/mm²: 0.21 mm/rev.

Technical description

Shank tolerance	h6
Feed f in steel < 1100 N/mm ²	0.21 mm/rev.

Number of cutting edges Z	2
Flute length L_c	44 mm
Nominal $\varnothing D_c$	6 mm
Tolerance nominal \varnothing	p6
Shank $\varnothing D_s$	6 mm
Overall length L	82 mm
Standard	DIN 6537
recommended maximum drilling depth L_2	35 mm
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	6xD
Point angle	140 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill