

Garant
Solid carbide HPC drill Weldon shank DIN 6535 HB, DLC, Ø DC p6: 4,2 mm

Order data

Order number	122608 4,2
GTIN	4045197568762
Item class	11E

Description
Version:

Spiral fluted, with **6 guide chamfers** and internal cooling channels.

New generation of high performance pilot drills in the HPC range.

With **140° point angle** and special **p6 cutting edge tolerance** for optimum generation of a pilot hole. High alignment accuracy and **roundness of the 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 16×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

Semi-Standard: yes

Tolerance nominal Ø: p6

recommended maximum drilling depth L_2 : 29.7 mm

Overall length L: 74 mm

Shank Ø D_s : 6 mm

Feed f in aluminium short-chipping: 0.28 mm/rev.

Technical description

Shank tolerance	h6
Number of cutting edges Z	2

Nominal $\varnothing D_c$	4.2 mm
Feed f in aluminium short-chipping	0.28 mm/rev.
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	29.7 mm
Semi-Standard	yes
Coating	DLC
Tool material	Solid carbide
Drill depth up to	6×D
Type	W
Point angle	140 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Colour ring	yellow
Type of product	Jobber drill