

Garant

Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC p6: 6,8 mm



Order data

Order number	122738 6,8
GTIN	4045197567666
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

Semi-Standard: yes

Tolerance nominal Ø: p6

recommended maximum drilling depth L_2 : 42.8 mm

Overall length L: 91 mm

Shank Ø D_s : 8 mm

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

Technical description

Feed f in steel < 1100 N/mm ²	0.21 mm/rev.
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Shank tolerance	h6
Flute length L_c	53 mm
Number of cutting edges Z	2
Nominal $\varnothing D_c$	6.8 mm
Tolerance nominal \varnothing	p6
Shank $\varnothing D_s$	8 mm
Overall length L	91 mm
Standard	DIN 6537
recommended maximum drilling depth L_2	42.8 mm
Semi-Standard	yes
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	6×D
Point angle	140 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Colour ring	green
Type of product	Jobber drill