Garant

Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, ∅ DC p6: 5 mm

Order data

Order number	122738 5
GTIN	4045197567598
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 ∅ 3.8 mm. Up to 3.7 mm ∅ 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 ∅.
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 ∅: p6
Number of cutting edges Z: 2
Tolerance nominal ∅: p6
recommended maximum drilling depth L_2: 36.5 mm
Overall length L: 82 mm
Shank ∅ D_s: 6 mm
Feed f in steel < 1100 N/mm^2: 0.15 mm/rev.

Technical description

Nominal ∅ D_C	5 mm
Feed f in steel < 1100 N/mm^2	0.15 mm/rev.

Shank tolerance	h6
Number of cutting edges Z	2
Flute length L_c	44 mm
Tolerance nominal ∅	p6
Shank ∅ D_s	6 mm
Overall length L	82 mm
Standard	DIN 6537
recommended maximum drilling depth L_2	36.5 mm
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
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill