Garant

Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, ∅ DC p6: 10 mm

Order data

Order number	122738 10
GTIN	4045197567772
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: 46 mm
Overall length L: 103 mm
Shank ∅ D_s: 10 mm
Feed f in steel < 1100 N/mm^2: 0.27 mm/rev.

Technical description

Feed f in steel < 1100 N/mm^2	0.27 mm/rev.
Shank tolerance	h6

Flute length L_c	61 mm
Number of cutting edges Z	2
Nominal ⌀ D_C	10 mm
Tolerance nominal ⌀	p6
Shank ⌀ D_s	10 mm
Overall length L	103 mm
Standard	DIN 6537
recommended maximum drilling depth L_2	46 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