Garant

Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, ∅ DC m6: 7/16 mm or inch

Order data

Order number	123214 7/16
GTIN	4062406121273
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. **Straight major cutting edges** with honed edges and special flute profile for **short chips**, even on long chipping materials.
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 process reliability when using the 12×D drill, an initial centre drilling with No. 121068 – 121130 is necessary.
Machining strategy: HPC
Standard: Manufacturer's standard
Tolerance nominal ∅: m6
Number of cutting edges Z: 2
Semi-Standard: yes
Tolerance nominal ∅: m6
recommended maximum drilling depth L_2: 139.335 mm
Overall length L: 204 mm
Shank ∅ D_s: 12 mm
Feed f in stainless steel > 900 N/mm^2: 0.15 mm/rev.

Technical description

Overall length L	204 mm

Flute length L_c	156 mm
Inch nominal ∅ corresponds to	11.11 mm
Shank ∅ D_s	12 mm
Tolerance nominal ∅	m6
recommended maximum drilling depth L_2	139.335 mm
Feed f in stainless steel > 900 N/mm^2	0.15 mm/rev.
Standard	Manufacturer's standard
Number of cutting edges Z	2
Semi-Standard	yes
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	12×D
Point angle	135 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Colour ring	blue
Type of product	Jobber drill