Garant

Solid carbide HPC drill, plain shank DIN 6535 HB, TiAlN, ∅ DC h7: 4,2mm

Order data

Order number	123102 4,2
GTIN	4045197458315
Item class	11E

Description

Version:
Cutting chisel edge with **high centring accuracy** due to **strong core and special point geometry.**
Particularly high alignment accuracy due to **4 guide chamfers** which stabilise the drill even at extreme depths!
Convex cutting edges with honed edges and special flute profile for **short chips**, even on long chipping materials.
Advantage:
High process reliability and surface quality of the hole.
Note:
Flute length $L_C = L_2 + 1.5 \times D_C$.
NEW GENERATION AVAILABLE!
Recommended successor products are No. 123026 and 123036.

Technical description

Nominal ∅ D_C	4.2 mm
Flute length L_c	43 mm
Number of cutting edges Z	2
Shank tolerance	h6
Feed f in steel < 1100 N/mm^2	0.1 mm/rev.
Tolerance nominal ∅	h7
Shank ∅ D_s	6 mm
Overall length L	81 mm

Standard	Manufacturer's standard
recommended maximum drilling depth L_2	36.7 mm
Coating	TiAlN
Tool material	Solid carbide
Version	8×D
Point angle	135 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

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	180 m/min	N
Alu > 10% Si	suitable only under restricted conditions	140 m/min	N
Steel < 500 N/mm²	suitable only under restricted conditions	110 m/min	P
Steel < 750 N/mm²	suitable	90 m/min	P
Steel < 900 N/mm²	suitable	80 m/min	P
Steel < 1100 N/mm²	suitable	50 m/min	P
Steel < 1400 N/mm²	suitable	35 m/min	P
INOX < 900 N/mm²	suitable only under restricted conditions	40 m/min	M
INOX > 900 N/mm²	suitable only under restricted conditions	35 m/min	M
GG(G)	suitable	70 m/min	K

Uni	suitable
wet maximum	suitable