

Garant
Solid carbide HPC drill Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 4,2mm

Order data

Order number	123115 4,2
GTIN	4045197401649
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!

Straight major 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 $L_c = L_2 + 1.5 \times D_c$.

Technical description

Flute length L_c	48 mm
Feed f in stainless steel $< 900 \text{ N/mm}^2$	0.08 mm/rev.
Number of cutting edges Z	2
Shank tolerance	h6
Nominal $\varnothing D_c$	4.2 mm
Tolerance nominal \varnothing	h7
Shank $\varnothing D_s$	6 mm
Overall length L	86 mm
Standard	Manufacturer's standard

recommended maximum drilling depth L_2	41.7 mm
Coating	TiAlN
Tool material	Solid carbide
Version	10xD
Point angle	135 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	blue
Type of product	Jobber drill

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	200 m/min	N
Alu > 10% Si	suitable only under restricted conditions	180 m/min	N
Steel < 500 N/mm ²	suitable	110 m/min	P
Steel < 750 N/mm ²	suitable	80 m/min	P
Steel < 900 N/mm ²	suitable	70 m/min	P
INOX < 900 N/mm ²	suitable	65 m/min	M
INOX > 900 N/mm ²	suitable	55 m/min	M
Ti > 850 N/mm ²	suitable	25 m/min	S
Uni	suitable only under restricted conditions		
wet maximum	suitable		
wet minimum	suitable		

