Garant

Solid carbide HPC drill plain shank DIN 6535 HA, TiAlN, ∅ DC h7: 2,21-Xmm

Order data

Order number	123110 2,21-X
GTIN	4062406080075
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 $L_C = L_2 + 1.5 \times D_C$.
Form HB and HE supplied at the same price as HA.
Form **HB:** order with **No. 123115**.
Form **HE:** order with **No. 123110 + 129100 HE**. Delivery time: 12 working weeks
Minimum order quantity: 3 pcs
Items made to order for a specific customer:
Cancellation only up to a maximum of 3 working days after receipt of order acknowledgement. Items cannot be returned. We reserve the right to over-deliver or under-deliver by ±10% (minimum 1 piece).

Technical description

Number of cutting edges Z	2
Shank ∅ D_s	4 mm
Flute length L_c	29 mm
Standard	Manufacturer's standard

Overall length L	60 mm
Tolerance nominal ∅	h7
∅ range	2.21 - 2.6 mm
Coating	TiAlN
Tool material	Solid carbide
Version	10×D
Point angle	135 degrees
Shank	DIN 6535 HA 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/mm²	suitable	110 m/min	P
Steel < 750 N/mm²	suitable	80 m/min	P
Steel < 900 N/mm²	suitable	70 m/min	P
INOX < 900 N/mm²	suitable	65 m/min	M
INOX > 900 N/mm²	suitable	55 m/min	M
Ti > 850 N/mm²	suitable	25 m/min	S
wet maximum	suitable		
wet minimum	suitable		