Data sheet

GARANT Master Steel solid carbide high-performance drill, plain shank DIN 6535 HA, TiAlN, ∅ DC h7: 3,0-Xmm

Order data

Order number	123240 3,0-X
GTIN	4069515041058
Item class	11E

Description

Version:
Robust drill design and optimised special point geometry for the **best possible chip formation and reliable chip breakage** with **higher feed rates at the same time. Advanced micro-geometry, convex** cutting edge and **conical profile grinding** to provide additional stability for the main cutting edge. **Optimised flute geometry and patented face geometry** for **reliable chip evacuation** in steel materials and cast material. **High-performance coating** of the latest generation.
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 recommended.
HB and **HE** shanks are available at the same price as HA.
For **HB shanks:** use order **no. 123241**.
For **HE** shanks: use order **No. 123240 + 129100HE**. Delivery time: 8 working weeks.
Minimum order quantity: 3 pieces.
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

Tolerance nominal ∅	h7
∅ range	3 - 3.75 mm
Standard	Works standard

Flute length L_c	54 mm
Shank ∅ D_s	6 mm
Number of cutting edges Z	2
Overall length L	92 mm
Series	Master Steel
Coating	TiAlN
Tool material	Solid carbide
Version	12×D
Point angle	135 degrees
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Type of product	Jobber drill

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm²	suitable	130 m/min	P
Steel < 750 N/mm²	suitable	120 m/min	P
Steel < 900 N/mm²	suitable	110 m/min	P
Steel < 1100 N/mm²	suitable	100 m/min	P
Steel < 1400 N/mm²	suitable	80 m/min	P
GG(G)	suitable	95 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		