

GARANT Master Steel solid carbide HPC drill, plain shank DIN 6535 HA, TiAIN, Ø DC h7: 3mm



Order data

Order number	122470 3	
GTIN	4067263119593	
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 $L_c = L_2 + 1.5 \times D_c$.

HB and HE shanks are available at the same price as HA.

HB shank: order with **No. 122471 / 122476**.

HE shank: order with No. 122470 / 122475 and 129100HE.

Technical description

Flute length L _c	20 mm	
Shank Ø D _s	6 mm	
Feed f in steel < 1100 N/mm ²	0.12 mm/rev.	
Overall length L	62 mm	
Nominal Ø D _c	3 mm	
Tolerance nominal Ø	h7	
Number of cutting edges Z	2	



recommended maximum drilling depth L_2	15.5 mm		
Standard	DIN 6537 K		
Series	Master Steel		
Coating	TiAIN		
Tool material	Solid carbide		
Version	4×D		
Point angle	140 degrees		
Shank	DIN 6535 HA to h6		
Through-coolant	no		
Machining strategy	HPC		
Semi-Standard	yes		
Colour ring	green		
Type of product	Mono jobber drills		

User data

	Suitability	\mathbf{V}_{c}	ISO code
Steel < 500 N/mm ²	suitable	115 m/min	Р
Steel < 750 N/mm ²	suitable	105 m/min	Р
Steel < 900 N/mm ²	suitable	100 m/min	Р
Steel < 1100 N/mm ²	suitable	70 m/min	Р
Steel < 1400 N/mm ²	suitable	60 m/min	Р
GG	suitable	110 m/min	К
GGG	suitable	75 m/min	К
Uni	suitable		
wet maximum	suitable		
dry	suitable		