

Garant
GARANT Master Steel solid carbide HPC drill, plain shank DIN 6535 HA, TiAlN, Ø DC h7: 12,06-Xmm

Order data

Order number	122475 12,06-X
GTIN	4067263140320
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 relieved coneto** 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	60 mm
Shank $\varnothing D_s$	14 mm
Number of cutting edges Z	2
Overall length L	107 mm
recommended maximum drilling depth L_2	42 mm
\varnothing range	12.06 - 14.05 mm
Series	Master Steel

Coating	TiAlN
Tool material	Solid carbide
Version	4xD
Point angle	140 degrees
Shank	DIN 6535 HA with h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	green
Type of product	Mono jobber drills

User data

	Suitability	V _c	ISO code
Steel < 500 N/mm ²	suitable	170 m/min	P
Steel < 750 N/mm ²	suitable	155 m/min	P
Steel < 900 N/mm ²	suitable	145 m/min	P
Steel < 1100 N/mm ²	suitable	130 m/min	P
Steel < 1400 N/mm ²	suitable	110 m/min	P
Steel < 55 HRC	suitable	60 m/min	H
INOX < 900 N/mm ²	suitable only under restricted conditions	55 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	45 m/min	M
GG	suitable	130 m/min	K
GGG	suitable	90 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		

