

Garant

GARANT Master Steel solid carbide high-performance drill DIN 6535 HA, TiAlN, Ø DC h7: 9,3mm



Order data

Order number	122761 9,3
GTIN	4067263121718
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 shanks: order with **No. 122762**.

HE shank: order with **No. 122761 + 129100HE**.

Technical description

Number of cutting edges Z	2
Overall length L	103 mm
Standard	DIN 6537
Tolerance nominal Ø	h7
recommended maximum drilling depth L_2	47.1 mm
Nominal Ø D_c	9.3 mm
Shank Ø D_s	10 mm

Flute length L_c	61 mm
Feed f in steel $< 1100 \text{ N/mm}^2$	0.29 mm/rev.
Series	Master Steel
Coating	TiAlN
Tool material	Solid carbide
Version	6xD
Point angle	140 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 $< 500 \text{ N/mm}^2$	suitable	170 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	155 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	145 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	130 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable	110 m/min	P
Steel $< 55 \text{ HRC}$	suitable	60 m/min	H
INOX $< 900 \text{ N/mm}^2$	suitable only under restricted conditions	55 m/min	M
INOX $> 900 \text{ N/mm}^2$	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