

Garant

GARANT Master Steel solid carbide high-performance drill DIN 6535 HB, TiAlN, Ø DC h7: 8,6mm



Order data

Order number	123041 8,6
GTIN	4069515031059
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 $L_c = L_2 + 1.5 \times D_c$.

Technical description

Flute length L_c	95 mm
Number of cutting edges Z	2
Standard	DIN 6535
Nominal Ø D_c	8.6 mm
Shank Ø D_s	10 mm
Feed f in steel < 1100 N/mm ²	0.23 mm/rev.
Overall length L	142 mm
recommended maximum drilling depth L_2	82.1 mm
Tolerance nominal Ø	h7

Data sheet

Series	Master Steel
Coating	TiAlN
Tool material	Solid carbide
Version	8×D
Point angle	135 degrees
Shank	DIN 6535 HB 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/mm ²	suitable	130 m/min	P
Steel < 750 N/mm ²	suitable	120 m/min	P
Steel < 900 N/mm ²	suitable	110 m/min	P
Steel < 1100 N/mm ²	suitable	100 m/min	P
Steel < 1400 N/mm ²	suitable	80 m/min	P
GG(G)	suitable	95 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		