

**Garant****GARANT Master Steel solid carbide high-performance drill DIN 6535 HB, TiAlN, Ø DC h7: 4mm****Order data**

Order number	123041 4
GTIN	4069515030793
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**

Nominal Ø $D_c$	4 mm
Number of cutting edges Z	2
Shank Ø $D_s$	6 mm
Flute length $L_c$	43 mm
Standard	DIN 6535
recommended maximum drilling depth $L_2$	37 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.14 mm/rev.
Overall length L	81 mm
Tolerance nominal Ø	h7

## Data sheet

Series	Master Steel
Coating	TiAlN
Tool material	Solid carbide
Version	8xD
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 <sub>c</sub>	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable	130 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	120 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	110 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	100 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	80 m/min	P
GG(G)	suitable	95 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		
Air	suitable		