

## Garant

**GARANT Master Steel FEED solid carbide drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 5,9mm**



### Order data

Order number	122726 5,9
GTIN	4045197794987
Item class	11E

### Description

#### Version:

**3-flute drill**, specially developed for use at **very high feed rates**. Outstandingly suitable for **machines with high installed power** and stable operating conditions.

- **Special cutter geometry with stable cutting edges and large clearance at the centre enables very high feed rates.**
- **The patented tip is optimised for chip flow and generates low cutting pressure with good chip breakage.**
- **With 145° tip angle for low burr formation when drilling through holes.**

The **sector-leading technology of the chisel point** guarantees **optimum self-centring behaviour** and permits spot drilling on irregular surfaces. 3 guide chamfers guarantee a stable exit from the hole and an exact roundness of the hole.

#### Note:

Flute length  $L_c = L_2 + 1.5 \times D_c$ .

### Technical description

Standard	DIN 6537
Overall length L	82 mm
Feed f in steel < 1100 N/mm <sup>2</sup>	0.32 mm/rev.
Shank Ø D <sub>s</sub>	6 mm
Flute length L <sub>c</sub>	44 mm
Number of cutting edges Z	3
Nominal Ø D <sub>c</sub>	5.9 mm

Tolerance nominal $\varnothing$	h7
recommended maximum drilling depth $L_2$	35.2 mm
Series	Master Steel
Coating	TiAlN
Tool material	solid carbide
Version	6xD
Point angle	145 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, with 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill

## User data

	Suitability	$V_c$	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable	160 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	140 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	130 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	110 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	90 m/min	P
Steel < 55 HRC	suitable	60 m/min	H
INOX < 900 N/mm <sup>2</sup>	suitable	60 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	50 m/min	M
GG	suitable	130 m/min	K
GGG	suitable	80 m/min	K
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		

