

Garant

GARANT Master Steel FEED solid carbide drill, Weldon shank DIN 6535 HB, TiAlN, Ø DC h7: 12,2 mm



Order data

Order number	123036 12,2
GTIN	4045197842145
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 machining 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.**

The **sector-leading technology of the drill point** guarantees **optimum self-centring behaviour**. 3 guide chamfers guarantee a stable exit from the hole and an exact roundness of the hole.

Recommendation:

Maximum drilling depth:

clamping slot length (see table) less 1.5×nominal Ø.

Note:

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

Standard: Manufacturer's standard

Tolerance nominal Ø: h7

Number of cutting edges Z: 3

Tolerance nominal Ø: h7

recommended maximum drilling depth L_2 : 114.7 mm

Overall length L: 178 mm

Shank Ø D_s : 14 mm

Feed f in steel < 1100 N/mm²: 0.56 mm/rev.

Technical description

Shank $\varnothing D_s$	14 mm
Feed f in steel $< 1100 \text{ N/mm}^2$	0.56 mm/rev.
Nominal $\varnothing D_c$	12.2 mm
Flute length L_c	133 mm
Overall length L	178 mm
Standard	Manufacturer's standard
Number of cutting edges Z	3
recommended maximum drilling depth L_2	114.7 mm
Tolerance nominal \varnothing	h7
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	8xD
Point angle	140 degrees
Shank	DIN 6535 HB to h6
Through-coolant	yes, to 25 bar
Machining strategy	HPC
Semi-Standard	yes
Colour ring	green
Type of product	Jobber drill