

Garant

GARANT Master Steel FEED solid carbide stepped drill, TiAlN, for threads: M16



Order data

Order number	125035 M16
GTIN	4062406066529
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.

Diameter tolerance first level: h7.

For generation of **optimum tapping holes**. Creates **ideal machining conditions** for the subsequent tapping tool. The cutter \varnothing of the drill is matched to the thread that is to be produced, in order to achieve a threads true to gauge and for **high process reliability of the tapping process**. The 90° counterbore for the thread is produced **in the same operation** as drilling the tapping hole.

Thread type: M

No. of teeth Z: 3

Through-coolant: yes, with 25 bar

Thread pitch: 2

$\varnothing D_1$ 1st step: 14.15 mm

$\varnothing D_2$ 2nd step with chamfer h7: 17.6 mm

Step height L_1 1st step: 38.5 mm

Flute length L_c : 73 mm

Overall length L: 123 mm

Technical description

Flute length L_c	73 mm
for threads	M16
Feed f in steel < 1100 N/mm ²	0.56 mm/rev.
$\varnothing D_2$ 2nd step with chamfer h7	17.6 mm

Overall length L	123 mm
Shank $\varnothing D_s$	18 mm
Thread pitch	2
Through-coolant	yes, with 25 bar
No. of teeth Z	3
Thread type	M
$\varnothing D_1$ 1st step	14.15 mm
Step height L_1 1st step	38.5 mm
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal \varnothing	m7
Point angle	145 degrees
Shank	DIN 6535 HA to h6
Countersink angle	90 degrees
Machining strategy	HPC
Colour ring	green
Type of product	Stepped drill