

Garant

GARANT Master Steel FEED solid carbide stepped drill, TiAlN, for threads: M10



Order data

Order number	125035 M10
GTIN	4062406066482
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: 1.5

$\varnothing D_1$ 1st step: 8.6 mm

$\varnothing D_2$ 2nd step with chamfer h7: 11 mm

Step height L_1 1st step: 25.5 mm

Flute length L_c : 55 mm

Overall length L: 102 mm

Technical description

Flute length L_c	55 mm
Shank $\varnothing D_s$	12 mm
Feed f in steel < 1100 N/mm ²	0.44 mm/rev.
$\varnothing D_2$ 2nd step with chamfer h7	11 mm

Overall length L	102 mm
for threads	M10
Thread pitch	1.5
No. of teeth Z	3
Thread type	M
Through-coolant	yes, with 25 bar
Ø D ₁ 1st step	8.6 mm
Step height L ₁ 1st step	25.5 mm
Series	GARANT Master Steel
Coating	TiAlN
Tool material	Solid carbide
Standard	Manufacturer's standard
Tolerance nominal Ø	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