

Garant
GARANT Master TM plain shank thread mill, TiAlN, NPT: 3/8-18

Order data

Order number	139729 3/8-18
GTIN	4062406058173
Item class	11D

Description
Version:

Solid carbide thread milling cutters **with irregular cutting edge spacing and an increased number of cutting edges**. Due to the **irregular cutting edge spacing** they achieve **very smooth running** and **long tool life**.

Newly developed universal geometry and **high-performance coating** for use across a wide spectrum of materials.

- **Significantly reduced vibration due to irregular cutting edge spacing**
- **Increased number of cutting edges**
- **New coating for optimum wear resistance**
- **Corrected thread profile for avoidance of profile distortions**

Application:

Tapered pipe threads (NPT) to ANSI B1.20.1, for threads with sealants.

Note:

Form HB and HE supplied at the same price as HA.

Form **HB**: order with **No. 139729 + 129100 HB**

Form **HE**: order with **No. 139729 + 129100 HE**

No. of teeth Z: 6

Threads per inch: 18

Nominal $\varnothing D_c$: 11.11 mm

Flute length L_c : 13.38 mm

Shank length L_s : 45 mm

Overall length L: 82 mm

Shank $\varnothing D_s$: 12 mm

Technical description

Threads per inch	18
Thread pitch	1.411 mm
Shank length L_s	45 mm
Thread \varnothing	17.06 mm
Number of clamping slots	6
Shank $\varnothing D_s$	12 mm
Overall length L	82 mm
No. of teeth Z	6
Feed f_z in steel < 750 N/mm ²	0.11
Flute length L_c	13.38 mm
Thread size	3/8-18 NPT
Nominal $\varnothing D_c$	11.11 mm
Series	GARANT Master TM
Coating	TiAlN
Thread type	NPT
Flank angle	60 degrees
Tool material	solid carbide
Standard	ANSI B 1.20.1
Taper ratio	1:16
Shank	DIN 6535 HA with h6
Through-coolant	yes
Application for type of drilling	for blind hole and through hole
Spacing of the cutters	unequal spacing
Cutting direction	right-hand
Shank tolerance	h6
Colour ring	green
Internal/external application	Internal
Type of product	thread milling cutter

