

Garant**GARANT Master TM plain shank thread mill, TiAlN, NPT: 1/2-14****Order data**

Order number	139729 1/2-14
GTIN	4062406058180
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: 14

Nominal Ø D_C: 12.88 mm

Flute length L_C: 17.2 mm

Shank length L_S: 45 mm

Overall length L: 94 mm

Shank Ø D_S: 14 mm

Technical description

Threads per inch	14
Number of clamping slots	6
Thread Ø	21.22 mm
Shank length L _s	45 mm
Overall length L	94 mm
Thread pitch	1.814 mm
Shank Ø D _s	14 mm
No. of teeth Z	6
Feed f _z in steel < 750 N/mm ²	0.13
Flute length L _c	17.2 mm
Thread size	1/2-14 NPT
Nominal Ø D _c	12.88 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

