

Garant**GARANT Master TM plain shank thread mill 2xD, TiAlN, UNF: 1-12****Order data**

Order number	139727 1-12
GTIN	4062406058128
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**
- **Corrected thread profile for avoidance of profile distortions**
- **increased number of cutting edges.**
- **new coating for optimum wear resistance.**

Application:

For **UNF unified fine threads** ASME-B1.1.

Note:

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

Form **HB**: order with **No. 139727 + 129100 HB**

Form **HE**: order with **No. 139727 + 129100 HE**

Thread type: UNF

Thread type: UNF-LH

No. of teeth Z: 6

Threads per inch: 12

Nominal Ø D_C: 19.95 mm

Flute length L_C: 51.77 mm

Shank length L_s: 50 mm

Overall length L: 120 mm

Shank Ø D_s: 20 mm

Technical description

Thread type	UNF
Thread type	UNF-LH
No. of teeth Z	6
Overall length L	120 mm
Threads per inch	12
Thread Ø	25.4 mm
Shank length L _s	50 mm
Thread pitch	2.117 mm
Shank Ø D _s	20 mm
Number of clamping slots	6
Flute length L _c	51.77 mm
Feed f _z in steel < 750 N/mm ²	0.15 mm
Thread size	1-12 UNF
Nominal Ø D _c	19.95 mm
Series	GARANT Master TM
Coating	TiAlN
Flank angle	60 degrees
Tool material	solid carbide
Shank	DIN 6535 HA with h6
Through-coolant	yes
Cutting direction	right-hand
Application for type of drilling	up to 2×D for blind holes and through holes
Spacing of the cutters	unequal spacing
Shank tolerance	h6
Colour ring	green
Internal/external application	Internal
Type of product	thread milling cutter

