

Garant
GARANT Master TM plain shank thread mill 2xD, TiAlN, UNC: 1/2-13

Order data

Order number	139722 1/2-13
GTIN	4062406057978
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:

For **UNC unified coarse threads** ASME-B1.1.

Note:

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

Form **HB**: order with **No. 139722 + 129100 HB**

Form **HE**: order with **No. 139722 + 129100 HE**

Spacing of the cutters: unequal spacing

Thread type: UNC

Thread type: UNC-LH

No. of teeth Z: 6

Threads per inch: 13

Nominal Ø D_C: 9.95 mm

Flute length L_C: 26.31 mm

Shank length L_S: 40 mm

Overall length L: 82 mm

Shank Ø D_S: 10 mm

Technical description

Thread pitch	1.954 mm
Thread type	UNC
Thread type	UNC-LH
No. of teeth Z	6
Thread Ø	12.7 mm
Overall length L	82 mm
Number of clamping slots	6
Shank length L _s	40 mm
Threads per inch	13
Full profile	yes
Shank Ø D _s	10 mm
Flute length L _c	26.31 mm
Feed f _z in steel < 750 N/mm ²	0.09
Thread size	1/2-13 UNC
Nominal Ø D _c	9.95 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