

**Garant**
**GARANT Master TM plain shank thread mill 2×D, TiAlN, UNC: 5/16-18**

**Order data**

Order number	139722 5/16-18
GTIN	4062406057947
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: 4

Threads per inch: 18

Nominal  $\varnothing D_c$ : 5.95 mm

Flute length  $L_c$ : 16.18 mm

Shank length  $L_s$ : 36 mm

Overall length L: 64 mm

Shank  $\varnothing D_s$ : 6 mm

## Technical description

Shank $\varnothing D_s$	6 mm
No. of teeth Z	4
Shank length $L_s$	36 mm
Threads per inch	18
Number of clamping slots	4
Thread $\varnothing$	7.94 mm
Overall length L	64 mm
Full profile	yes
Thread type	UNC
Thread type	UNC-LH
Thread pitch	1.411 mm
Flute length $L_c$	16.18 mm
Feed $f_z$ in steel < 750 N/mm <sup>2</sup>	0.06
Thread size	5/16-18 UNC
Nominal $\varnothing D_c$	5.95 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 2xD 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