

Garant**GARANT Master TM plain shank thread mill 2xD, TiAlN, G: G1/2****Order data**

Order number	139705 G1/2
GTIN	4045197957726
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 **Whitworth parallel pipe threads** DIN-ISO 228/1 (threads that do not form a seal within the connections).

Note:

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

Form **HB**: order with **No. 139705 + 129100 HB**

Form **HE**: order with **No. 139705 + 129100 HE**

No. of teeth Z: 6

Drilling depth for blind and through holes: 2.0xD

Thread pitch: 1.814 mm

Threads per inch: 14

Nominal Ø D_c: 15.95 mm

Flute length L_c: 42.63 mm

Shank length L_s: 48 mm

Technical description

Flute length L_c	42.63 mm
Drilling depth for blind and through holes	2.0×D
Thread depth	31.9 mm
No. of teeth Z	6
Thread size	G1/2
Number of clamping slots	6
Overall length L	106 mm
Feed f_z in steel < 750 N/mm ²	0.13 mm
Shank length L_s	48 mm
Shank Ø D_s	16 mm
Thread pitch	1.814 mm
Threads per inch	14
Series	GARANT Master TM
Nominal Ø D_c	15.95 mm
Coating	TiAlN
Thread type	G
Thread type	G-LH
Flank angle	55 degrees
Tool material	Solid carbide
Shank	DIN 6535 HA to h6
Through-coolant	yes
Application for type of drilling	up to 2×D for blind holes and through holes
Spacing of the cutters	unequal spacing
Colour ring	green
Internal/external application	Indvendig
Type of product	thread milling cutter

Services

129100 HB

Shank grinding Type HB	
Shank grinding Type HE	129100 HE