

**Garant**
**GARANT Master TM plain shank thread mill 2×D, TiAlN, MF: 12X1**

**Order data**

Order number	139665 12X1
GTIN	4045197957634
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**

**Through-coolant feed  $\geq 4 \times 0.5$**

**Note:**

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

Form **HB**: order with **No. 139665 + 129100 HB**

Form **HE**: order with **No. 139665 + 129100 HE**

Through-coolant: yes

No. of teeth Z: 6

Thread pitch: 1 mm

Nominal  $\varnothing D_c$ : 9.95 mm

maximum insertion depth  $L_1$ : 24.5 mm

Shank length  $L_s$ : 40 mm

Overall length L: 82 mm

Shank  $\varnothing D_s$ : 10 mm

**Technical description**

Shank length $L_s$	40 mm
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maximum insertion depth $L_1$	24.5 mm
Thread depth	24 mm
No. of teeth Z	6
Thread pitch	1 mm
Number of clamping slots	6
Shank $\varnothing D_s$	10 mm
Overall length L	82 mm
Feed $f_z$ in steel $< 750 \text{ N/mm}^2$	0.09 mm
Through-coolant	yes
Thread size	M12x1
Nominal $\varnothing D_c$	9.95 mm
Coating	TiAlN
Thread type	MF
Thread type	MF-LH
Flank angle	60 degrees
Tool material	Solid carbide
Thread standard	DIN 13
Shank	DIN 6535 HA to h6
Application for type of drilling	up to 2xD for blind holes and through holes
Spacing of the cutters	unequal spacing
Colour ring	green
Internal/external application	Indvendig
Series	GARANT Master TM
Type of product	thread milling cutter

## Services

Shank grinding Type HE	129100 HE
Shank grinding Type HB	129100 HB

