

**Garant**
**GARANT Master TM plain shank thread mill 2×D, TiAlN, MF: 4X0,5**

**Order data**

Order number	139665 4X0,5
GTIN	4045197957566
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: no

No. of teeth Z: 4

Thread pitch: 0.5 mm

Nominal  $\varnothing D_c$ : 3.29 mm

maximum insertion depth  $L_1$ : 8.25 mm

Shank length  $L_s$ : 36 mm

Overall length L: 58 mm

Shank  $\varnothing D_s$ : 6 mm

**Technical description**

Thread depth	8 mm
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Feed $f_z$ in steel < 750 N/mm <sup>2</sup>	0.02 mm
Through-coolant	no
Overall length L	58 mm
Shank length $L_s$	36 mm
Number of clamping slots	4
No. of teeth Z	4
Shank $\varnothing D_s$	6 mm
Thread pitch	0.5 mm
maximum insertion depth $L_1$	8.25 mm
Thread size	M4×0.5
Nominal $\varnothing D_c$	3.29 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 2×D 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 HB	129100 HB
Shank grinding Type HE	129100 HE

