

Garant**GARANT Master TM plain shank thread mill 2xD, TiAlN, M: M5****Order data**

Order number	139640 M5
GTIN	4045197957276
Item class	11D

Description**Version:**

Solid carbide thread mills **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 M4

Note:

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

Form **HB**: order with **No. 139640 / 136941 + 129100 HB**

Form **HE**: order with **No. 139640 / 136941 + 129100 HE**.

Through-coolant: yes

No. of teeth Z: 4

Thread pitch: 0.8 mm

Nominal $\varnothing D_c$: 3.9 mm

maximum insertion depth L_1 : 10.8 mm

Shank length L_s : 36 mm

Overall length L: 58 mm

Shank $\varnothing D_s$: 6 mm

Technical description

Number of clamping slots	4
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Overall length L	58 mm
Shank Ø D _s	6 mm
Feed f _z in steel < 750 N/mm ²	0.035 mm
Through-coolant	yes
Shank length L _s	36 mm
maximum insertion depth L ₁	10.8 mm
No. of teeth Z	4
Thread depth	10 mm
Thread pitch	0.8 mm
Thread size	M5
Nominal Ø D _c	3.9 mm
Coating	TiAlN
Thread type	M-LH
Thread type	M
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
Shank tolerance	h6
Colour ring	green
Internal/external application	Indvendig
Series	GARANT Master TM
Type of product	thread milling cutter

Services

Shank grinding Type HE	129100 HE
	129100 HB

Shank grinding Type HB
