

Garant
GARANT Master TM plain shank thread mill 2×D, TiAlN, MF: 12X1,5

Order data

Order number	139665 12X1,5
GTIN	4045197957641
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: 1.5 mm

Nominal $\varnothing D_c$: 9.95 mm

maximum insertion depth L_1 : 24.75 mm

Shank length L_s : 40 mm

Overall length L: 82 mm

Shank $\varnothing D_s$: 10 mm

Technical description

Overall length L	82 mm
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Feed f_z in steel < 750 N/mm ²	0.09 mm
maximum insertion depth L_1	24.75 mm
Number of clamping slots	6
Shank length L_s	40 mm
Shank $\varnothing D_s$	10 mm
No. of teeth Z	6
Through-coolant	yes
Thread depth	24 mm
Thread pitch	1.5 mm
Thread size	M12×1
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 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

