

Garant
GARANT Master TM plain shank thread mill with countersink 2×D, TiAlN, G: G3/8

Order data

Order number	139715 G3/8
GTIN	4045197958112
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**

Advantage:

Incorporating a countersink profile for a 90° countersink and thread milling in a single operation.

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. 139715 + 129100 HB**

Form **HE**: order with **No. 139715 + 129100 HE**

No. of teeth Z: 6

Thread pitch: 1.337 mm

Threads per inch: 19

Nominal Ø D_C: 14.4 mm

Shank length L_s: 48 mm

Overall length L: 108 mm

Shank $\varnothing D_s$: 18 mm

Technical description

Thread size	G3/8
Number of clamping slots	6
Overall length L	108 mm
Feed f_z in steel < 750 N/mm ²	0.11 mm
Thread depth	28.8 mm
No. of teeth Z	6
Thread pitch	1.337 mm
Programming value for countersink l_1	35.49 mm
Threads per inch	19
Shank $\varnothing D_s$	18 mm
maximum countersink $\varnothing D_1$	17.2 mm
Shank length L_s	48 mm
Series	GARANT Master TM
Nominal $\varnothing D_c$	14.4 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 2xD for blind holes and through holes
Spacing of the cutters	unequal spacing
Countersink angle	90 degrees
Colour ring	green
Internal/external application	Indvendig

Type of product	thread milling cutter
-----------------	-----------------------

Services

Shank grinding Type HB	129100 HB
------------------------	-----------

Shank grinding Type HE	129100 HE
------------------------	-----------