Garant
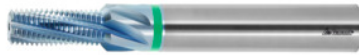
GARANT Master TM plain shank thread mill with countersink 2×D, TiAlN, UNF: 3/8-24

Order data

Order number	139728 3/8-24
GTIN	4062406058319
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**
· **Corrected thread profile for avoidance of profile distortions**
· **increased number of cutting edges**
· **new coating for optimum wear resistance**
Advantage:
Incorporating a countersink profile for a 90° countersink and thread milling in a single operation.
Application:
For **UNF unified fine threads** ASME-B1.1.
Note:
Form HB and HE supplied at the same price as HA.
Form **HB**: order with **No. 139728 + 129100 HB**
Form **HE**: order with **No. 139728 + 129100 HE**
Thread type: UNF
Thread type: UNF-LH
No. of teeth Z: 4
Threads per inch: 24
Nominal Ø D_C: 8 mm
Flute length L_c: 19.54 mm
Shank length L_s: 45 mm
Overall length L: 82 mm

ⁿ⁚ Hoffmann Group

Shank Ø D_s: 12 mm

Technical description

Shank Ø D_s	12 mm
Thread pitch	1.058 mm
Shank length L_s	45 mm
Thread type	UNF
Thread type	UNF-LH
Programming value for countersink l_1	20.59 mm
Full profile	yes
Thread Ø	9.53 mm
No. of teeth Z	4
Threads per inch	24
Overall length L	82 mm
Number of clamping slots	4
maximum countersink Ø D_1	10.1 mm
Flute length L_c	19.54 mm
Feed f_z in steel < 750 N/mm^2	0.08
Thread size	3/8-24 UNF
Nominal Ø D_C	8 mm
Series	GARANT Master TM
Coating	TiAlN
Flank angle	60 degrees
Tool material	solid carbide
Shank	DIN 6535 HA with h6
Through-coolant	yes
Cutting direction	right-hand
Application for type of drilling	up to 2×D for blind holes and through holes
Spacing of the cutters	unequal spacing

Countersink angle	90 degrees
Shank tolerance	h6
Colour ring	green
Internal/external application	Internal
Type of product	thread milling cutter