Garant

GARANT Master TM plain shank thread mill with countersink 2×D, AlTiN, MF: 6X0,75



Order data

Order number	139686 6X0,75
GTIN	4067263128748
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.

- The latest generation of AITiN-based HiPIMS coating.
- · Corrected thread profile for avoidance of profile distortions.

Advantage:

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

HB and HE shanks are available at the same price as HA.

Order **HB** shank: with **No. 139686 + 129100 HB**

Order HE shank: with No. 139686 + 129100 HE

Technical description

Shank length L _s	42.3 mm
No. of teeth Z	4
Thread depth	12.38 mm
Shank Ø D _s	8 mm

Feed f _z in steel < 750 N/mm ²	0.05 mm	
Thread pitch	0.75 mm	
Overall length L	68 mm	
Neck Ø D ₁	7 mm	
Nominal Ø D_c	4.9 mm	
Programming value for countersink L ₁	13.18 mm	
Number of clamping slots	4	
Thread size	M6×0.75	
Flute length L _c	12.38 mm	
Through-coolant	yes	
Coating	AlTiN	
Thread type	MF-LH	
Thread type	MF	
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	
Application for type of drilling	up to 2×D for through holes	
Spacing of the cutters	unequal spacing	
Countersink angle	90 degrees	
Colour ring	green	
Internal/external application	Internal	
Series	Master TM	
Type of product	thread milling cutter	

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	220 m/min	Ν

Aluminium (short chipping)	suitable	220 m/min	Ν
Alu > 10% Si	suitable	180 m/min	Ν
Steel < 500 N/mm ²	suitable	140 m/min	Р
Steel < 750 N/mm ²	suitable	130 m/min	Р
Steel < 900 N/mm ²	suitable	120 m/min	Р
Steel < 1100 N/mm ²	suitable	90 m/min	Р
Steel < 1400 N/mm ²	suitable	80 m/min	Р
Steel < 50 HRC	suitable only under restricted conditions	45 m/min	н
TOOLOX 33	suitable	85 m/min	Н
TOOLOX 44	suitable	50 m/min	Н
INOX < 900 N/mm ²	suitable	82 m/min	М
INOX > 900 N/mm ²	suitable	75 m/min	М
Ti > 850 N/mm²	suitable	50 m/min	S
GG(G)	suitable	120 m/min	К
CuZn	suitable	200 m/min	Ν
Uni	suitable		
wet maximum	suitable		
wet minimum	suitable		
Air Services	suitable		

Shank grinding Type HB	129100 HB
Shank grinding Type HE	129100 HE