Garant

GARANT Master TM plain shank thread mill with countersink 2×D, TiAlN, MF: 4X0,5

Order data

Order number	139682 4X0,5
GTIN	4045197956910
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.
Note:
Form HB and HE supplied at the same price as HA
Form **HB**: order with **No. 139682 + 129100 HB**
Form **HE**: order with **No. 139682 + 129100 HE**
Form **HB**: order with **No. 139683 + 129100 HB**
Form **HE**: order with **No. 139683 + 129100 HE**
Order **HB** shank: with **No. 139682 + 129100 HB**
Order **HE** shank: with **No. 139682 + 129100 HE**
Through-coolant: yes
No. of teeth Z: 4
Thread pitch: 0.5 mm
Nominal Ø D_C: 3.29 mm
Shank length L_s: 36 mm
Overall length L: 58 mm
Shank Ø D_s: 6 mm

maximum countersink Ø D_1: 4.5 mm

Technical description

Shank length L_s	36 mm
Through-coolant	yes
Thread pitch	0.5 mm
No. of teeth Z	4
maximum countersink Ø D_1	4.5 mm
Shank Ø D_s	6 mm
Programming value for countersink l_1	8.86 mm
Thread depth	8 mm
Feed f_z in steel < 750 N/mm^2	0.02 mm
Number of clamping slots	4
Overall length L	58 mm
Thread size	M4×0.5
Nominal Ø D_C	3.29 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
Countersink angle	90 degrees
Colour ring	green
Internal/external application	Internal
Series	GARANT Master TM

Type of product	thread milling cutter

Services

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