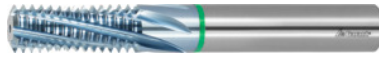


Garant
GARANT Master TM plain shank thread mill 2×D, TiAlN, M: M14

Order data

| | |
|--------------|---------------|
| Order number | 139640 M14 |
| GTIN | 4045197957528 |
| Item class | 11D |

Description
Version:

Solid carbide thread mills **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 M4

Note:

Form HB and HE supplied at the same price as HA.

Form **HB**: order with **No. 139640 / 136941 + 129100 HB**

Form **HE**: order with **No. 139640 / 136941 + 129100 HE**.

Through-coolant: yes

No. of teeth Z: 6

Thread pitch: 2 mm

Nominal $\varnothing D_c$: 11.5 mm

maximum insertion depth L_1 : 29 mm

Shank length L_s : 45 mm

Overall length L: 82 mm

Shank $\varnothing D_s$: 12 mm

Technical description

| | |
|----------------|---|
| No. of teeth Z | 6 |
|----------------|---|

| | |
|---------------------------------------------|---------------------------------------------|
| Number of clamping slots | 6 |
| maximum insertion depth L_1 | 29 mm |
| Feed f_z in steel < 750 N/mm ² | 0.1 mm |
| Thread pitch | 2 mm |
| Thread depth | 28 mm |
| Shank length L_s | 45 mm |
| Shank $\varnothing D_s$ | 12 mm |
| Through-coolant | yes |
| Overall length L | 82 mm |
| Thread size | M14 |
| Nominal $\varnothing D_c$ | 11.5 mm |
| Coating | TiAlN |
| Thread type | M-LH |
| Thread type | M |
| 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 2xD for blind holes and through holes |
| Spacing of the cutters | unequal spacing |
| Shank tolerance | h6 |
| Colour ring | green |
| Internal/external application | Indvendig |
| Series | GARANT Master TM |
| Type of product | thread milling cutter |

Services

| | |
|------------------------|-----------|
| Shank grinding Type HB | 129100 HB |
| | 129100 HE |

Shank grinding Type HE
