

**Garant**
**Machine tap, TiCN, M: M12**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 135320 M12    |
| GTIN         | 4045197076519 |
| Item class   | 11H           |

**Description**
**Version:**

**With strong right-hand chip flutes**, for optimum swarf evacuation.

For use with **emulsion** (fat content minimum 8%).

**Recommendation:**

For **TOOLOX materials we recommend deviating from the DIN data** (see table) by drilling the tapping hole  $\varnothing$  **0.05 to 0.3 mm** larger.

Thread type: M

Tool material: HSS E

Standard: DIN 376

Tolerance class: ISO 2 6H

Thread pitch: 1.75 mm

Overall length L: 110 mm

Shank  $\varnothing$  D<sub>s</sub>: 9 mm

Shank square □: 7 mm

Tapping hole  $\varnothing$ : 10.2 mm

**Technical description**

|                            |         |
|----------------------------|---------|
| Thread pitch               | 1.75 mm |
| Tapping hole $\varnothing$ | 10.2 mm |
| Number of cutting edges Z  | 4       |
| Thread $\varnothing$       | 12 mm   |
| Number of clamping slots   | 4       |
| Standard                   | DIN 376 |

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Shank $\varnothing D_s$          | 9 mm                              |
| Overall length L                 | 110 mm                            |
| Shank square $\square$           | 7 mm                              |
| Tolerance class                  | ISO 2 6H                          |
| Tool material                    | HSS E                             |
| Thread depth                     | 24 mm                             |
| Thread type                      | M                                 |
| Thread size                      | M12                               |
| Coating                          | TiCN                              |
| Flank angle                      | 60 degrees                        |
| Thread standard                  | DIN 13                            |
| Taper lead form                  | C                                 |
| Helix angle                      | 40 degrees                        |
| Shank                            | Plain shank with h9               |
| Through-coolant                  | no                                |
| Application for type of drilling | up to 2×D for blind holes         |
| Cutting direction                | right-hand                        |
| Type of threading tool           | Machine tap for dynamic machining |
| Colour ring                      | red                               |
| Type of product                  | Tap                               |