

**Garant**
**Machine tap, vaporised, M: M10**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 135650 M10    |
| GTIN         | 4045197077233 |
| Item class   | 11H           |

**Description**
**Version:**
**Parallel offset guide thread.**
**Advantage:**

This allows the tap to be reversed with little risk of chips jamming and causing damage to the tap.

Thread type: M

Tool material: HSS E

Standard: DIN 371

Tolerance class: ISO 2 6H

Thread pitch: 1.5 mm

Overall length L: 100 mm

Shank  $\varnothing D_s$ : 10 mm

Shank square  $\square$ : 8 mm

Tapping hole  $\varnothing$ : 8.5 mm

**Technical description**

|                            |         |
|----------------------------|---------|
| Thread $\varnothing$       | 10 mm   |
| Number of clamping slots   | 3       |
| Number of cutting edges Z  | 3       |
| Thread pitch               | 1.5 mm  |
| Tapping hole $\varnothing$ | 8.5 mm  |
| Standard                   | DIN 371 |
| Shank $\varnothing D_s$    | 10 mm   |

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Overall length L                 | 100 mm                            |
| Shank square □                   | 8 mm                              |
| Tolerance class                  | ISO 2 6H                          |
| Tool material                    | HSS E                             |
| Thread depth                     | 20 mm                             |
| Thread type                      | M                                 |
| Thread size                      | M10                               |
| Coating                          | vaporised                         |
| Flank angle                      | 60°                               |
| Thread standard                  | DIN 13                            |
| Taper lead form                  | C                                 |
| Helix angle                      | 40°                               |
| Shank                            | Plain shank with h9               |
| Through-coolant                  | no                                |
| Application for type of drilling | up to 2xD for blind holes         |
| Cutting direction                | right-hand                        |
| Type of threading tool           | Machine tap for dynamic machining |
| Colour ring                      | blue                              |
| Type of product                  | Tap                               |

## User data

|                               | Suitability                               | V <sub>c</sub> | ISO code |
|-------------------------------|---|----------------|----------|
| Aluminium (short chipping)    | suitable only under restricted conditions | 13 m/min       | N        |
| Steel < 500 N/mm <sup>2</sup> | suitable only under restricted conditions | 15 m/min       | P        |
| Steel < 750 N/mm <sup>2</sup> | suitable only under restricted conditions | 15 m/min       | P        |
| Steel < 900 N/mm <sup>2</sup> | suitable only under restricted conditions | 15 m/min       | P        |

|                              |   |          |   |
|------------------------------|---|----------|---|
| INOX < 900 N/mm <sup>2</sup> | suitable only under restricted conditions | 6 m/min  | M |
| INOX > 900 N/mm <sup>2</sup> | suitable                                  | 4 m/min  | M |
| CuZn                         | suitable only under restricted conditions | 13 m/min | N |
| Oil                          | suitable                                  |          |   |
| wet maximum                  | suitable                                  |          |   |