

**Garant****Machine tap HSS-E, vaporised, MF: 10X1****Order data**

|              |               |
|--------------|---------------|
| Order number | 132870 10X1   |
| GTIN         | 4045197074027 |
| Item class   | 11H           |

**Description****Version:****Strong spiral point.**Guide section **with oil grooves.**

Thread type: MF

Tool material: HSS E

Standard: DIN 374

Tolerance class: ISO 2X 6HX

Thread pitch: 1 mm

Overall length L: 90 mm

Shank  $\varnothing D_s$ : 7 mmShank square  $\square$ : 5.5 mmTapping hole  $\varnothing$ : 9 mm**Technical description**

|                            |        |
|----------------------------|--------|
| Number of clamping slots   | 3      |
| Number of cutting edges Z  | 3      |
| Thread $\varnothing$       | 10 mm  |
| Thread pitch               | 1 mm   |
| Tapping hole $\varnothing$ | 9 mm   |
| Shank $\varnothing D_s$    | 7 mm   |
| Overall length L           | 90 mm  |
| Shank square $\square$     | 5.5 mm |

|                                  |                                   |
|----------------------------------|-----------------------------------|
| Tolerance class                  | ISO 2X 6HX                        |
| Tool material                    | HSS E                             |
| Standard                         | DIN 374                           |
| Thread depth                     | 30 mm                             |
| Thread type                      | MF                                |
| Thread size                      | M10×1                             |
| Coating                          | vaporised                         |
| Flank angle                      | 60°                               |
| Thread standard                  | DIN 13                            |
| Taper lead form                  | B                                 |
| Shank                            | Plain shank with h9               |
| Through-coolant                  | no                                |
| Application for type of drilling | up to 3×D for through 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                                  | 15 m/min       | P        |
| Steel < 750 N/mm <sup>2</sup> | suitable                                  | 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                                  | 6 m/min        | M        |
| CuZn                          | suitable only under restricted conditions | 13 m/min       | N        |
| Oil                           | suitable                                  |                |          |

wet maximum

suitable only under  
restricted conditions