

**Garant****Hand tap set, uncoated, UNC: 1/2-13****Order data**

|              |               |
|--------------|---------------|
| Order number | 130700 1/2-13 |
| GTIN         | 4045197068088 |
| Item class   | 11G           |

**Description****Version:**2-piece set **comprising taper and plug tap.****Application:****For UNC uniform coarse threads ASME – B1.1.****Technical description**

|                        |            |
|------------------------|------------|
| Threads per inch       | 13         |
| Thread pitch           | 1.954 mm   |
| Tapping hole Ø         | 10.8 mm    |
| Thread Ø               | 12.7 mm    |
| Standard               | DIN 351    |
| Tool material          | HSS        |
| Shank Ø D <sub>s</sub> | 9 mm       |
| Overall length L       | 80 mm      |
| Shank square □         | 7 mm       |
| Thread depth           | 38.1 mm    |
| Thread type            | UNC        |
| Thread size            | 1/2-13 UNC |

|                                  |                             |
|----------------------------------|-----------------------------|
| Coating                          | uncoated                    |
| Flank angle                      | 60 degrees                  |
| Tolerance class                  | 2B                          |
| Taper lead form                  | D                           |
| Taper lead form                  | C                           |
| Shank                            | Plain shank with h9         |
| Through-coolant                  | no                          |
| Application for type of drilling | up to 3×D for blind holes   |
| Application for type of drilling | up to 3×D for through holes |
| Cutting direction                | right-hand                  |
| Type of threading tool           | Hand tap                    |
| Colour ring                      | without                     |
| Type of product                  | Tap                         |

## User data

|                               | Suitability                               | V <sub>c</sub> | ISO code |
|-------------------------------|-------------------------------------------|----------------|----------|
| Alu plastics                  | suitable only under restricted conditions |                |          |
| Aluminium (short chipping)    | suitable only under restricted conditions |                |          |
| Alu > 10% Si                  | suitable only under restricted conditions |                |          |
| Steel < 500 N/mm <sup>2</sup> | suitable                                  |                |          |
| Steel < 750 N/mm <sup>2</sup> | suitable                                  |                |          |
| Steel < 900 N/mm <sup>2</sup> | suitable                                  |                |          |
| GG(G)                         | suitable only under restricted conditions |                |          |
| Uni                           | Suitable                                  |                |          |
| Oil                           | suitable                                  |                |          |

|     |                                              |
|-----|----------------------------------------------|
| dry | suitable only under<br>restricted conditions |
|-----|----------------------------------------------|