

**Garant**
**Machine taps extra long HSS-E-PM, TiAlN, M: M20**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 134655 M20    |
| GTIN         | 4045197705204 |
| Item class   | 11H           |

**Description**
**Version:**
**With extra long shank.**

 Special **TiAlN coating**, highly suitable for **aluminium alloys**.

**All sizes: Shank to DIN 376 (= shank Ø relieved)**, outstandingly suitable for use up to great depths.

**Advantage:**

 Designed **for tapping threads where access is difficult**.

**Application:**

 Suitable for materials with tensile strength **up to maximum 450N/mm<sup>2</sup>**.

Thread type: M

Tool material: HSS E PM

Standard: Manufacturer's standard

Tolerance class: ISO 2 6H

Thread pitch: 2.5 mm

Overall length L: 280 mm

 Shank Ø D<sub>s</sub>: 16 mm

Shank square □: 12 mm

Tapping hole Ø: 17.5 mm

**Technical description**

|                           |         |
|---------------------------|---------|
| Number of clamping slots  | 4       |
| Thread Ø                  | 20 mm   |
| Thread pitch              | 2.5 mm  |
| Number of cutting edges Z | 4       |
| Tapping hole Ø            | 17.5 mm |

| Standard                         | Manufacturer's standard           |
|----------------------------------|-----------------------------------|
| Shank $\varnothing D_s$          | 16 mm                             |
| Overall length L                 | 280 mm                            |
| Shank square $\square$           | 12 mm                             |
| Tolerance class                  | ISO 2 6H                          |
| Tool material                    | HSS E PM                          |
| Thread depth                     | 60 mm                             |
| Thread type                      | M                                 |
| Thread size                      | M20                               |
| Coating                          | TiAlN                             |
| 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 3xD for blind holes         |
| Cutting direction                | right-hand                        |
| Type of threading tool           | Machine tap for dynamic machining |
| Colour ring                      | yellow                            |
| Type of product                  | Tap                               |