

**Garant**
**Machine tap HSS-E-PM, TiN, M: M20**

**Order data**

Order number	131935 M20
GTIN	4045197532398
Item class	11H

**Description**
**Version:**
**With spiral point.**

For use also in **HARDOX materials (HARDOX ≤ 500)**.

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

**Recommendation:**

For **TOOLOX** and **HARDOX 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 PM

Standard: DIN 376

Tolerance class: ISO 2X 6HX

Thread pitch: 2.5 mm

Overall length L: 140 mm

Shank  $\varnothing$  D<sub>s</sub>: 16 mm

Shank square □: 12 mm

Tapping hole  $\varnothing$ : 17.5 mm

**Technical description**

Thread pitch	2.5 mm
Thread $\varnothing$	20 mm
Number of cutting edges Z	3
Tapping hole $\varnothing$	17.5 mm
Number of clamping slots	3
Standard	DIN 376

Shank $\varnothing D_s$	16 mm
Overall length L	140 mm
Shank square $\square$	12 mm
Tolerance class	ISO 2X 6HX
Tool material	HSS E PM
Thread depth	60 mm
Thread type	M
Thread size	M20
Coating	TiN
Flank angle	60 degrees
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	red
Type of product	Tap