

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

**Order data**

Order number	135760 M20
GTIN	4045197077639
Item class	11H

**Description**
**Version:**
**Sturdy design, with 15° right-hand chip flutes.**

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

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  $\varnothing D_s$ : 16 mm

 Shank square  $\square$ : 12 mm

 Tapping hole  $\varnothing$ : 17.5 mm

**Technical description**

Number of cutting edges Z	4
Thread $\varnothing$	20 mm
Tapping hole $\varnothing$	17.5 mm
Thread pitch	2.5 mm
Number of clamping slots	4
Standard	DIN 376
Shank $\varnothing D_s$	16 mm
Overall length L	140 mm

Shank square <input type="checkbox"/>	12 mm
Tolerance class	ISO 2X 6HX
Tool material	HSS E PM
Thread depth	40 mm
Thread type	M
Thread size	M20
Coating	TiCN
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Helix angle	15°
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 2×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	pink
Type of product	Tap

## User data

	Suitability	V <sub>c</sub>	ISO code
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	23 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	13 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	7 m/min	P
Ti > 850 N/mm <sup>2</sup>	suitable	5 m/min	S
Oil	suitable		
wet maximum	suitable		

