

**Garant**
**Machine tap HSS-E, nitrided and vaporised, M: M20**

**Order data**

Order number	131920 M20
GTIN	4045197070739
Item class	11H

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

Thread type: M

Tool material: HSS E

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**

Tapping hole $\varnothing$	17.5 mm
Thread $\varnothing$	20 mm
Number of cutting edges Z	3
Number of clamping slots	3
Thread pitch	2.5 mm
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
Thread depth	60 mm
Thread type	M
Thread size	M20
Coating	nitrided and 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	red
Type of product	Tap

## User data

	Suitability	V <sub>c</sub>	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	15 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	6 m/min	P
Oil	suitable		
wet maximum	suitable only under restricted conditions		

