

**Garant****Machine tap extra long HSS-E, uncoated, M: M20****Order data**

Order number	134660 M20
GTIN	4045197075826
Item class	11H

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

≤ M10:Shank to DIN 371;

≥ M12:Shank to DIN 376.

**Advantage:**

Designed for tapping threads where access is difficult.

**Technical description**

Tapping hole Ø	17.5 mm
Number of cutting edges Z	4
Thread pitch	2.5 mm
Number of clamping slots	4
Thread Ø	20 mm
Standard	Manufacturer's standard
Shank Ø D <sub>s</sub>	16 mm
Overall length L	280 mm
Shank square □	12 mm
Tolerance class	ISO 2 6H
Tool material	HSS E
Thread depth	60 mm

Thread type	M
Thread size	M20
Coating	uncoated
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 3×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for conventional machining
Colour ring	without
Type of product	Tap

## User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	13 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	15 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	15 m/min	P
GG(G)	suitable only under restricted conditions	9 m/min	K
Oil	suitable		
wet maximum	suitable only under restricted conditions		