

**Garant****Machine tap HSS-E-PM Form C 6G, TiAlN, M: M20****Order data**

Order number	136155 M20
GTIN	4045197272324
Item class	11H

**Description****Version:****Form C** (2–3 turns lead chamfer).**Tolerance class ISO 3 / 6G****Application:**For components which are **galvanised** after threading or shrink slightly when hardened.**Note:****NEW GENERATION AVAILABLE!****Recommended successor products are No. 135960 – 136158.****Technical description**

Tapping hole Ø	17.5 mm
Thread pitch	2.5 mm
Thread Ø	20 mm
Number of clamping slots	4
Number of cutting edges Z	4
Standard	DIN 376
Shank Ø D <sub>s</sub>	16 mm
Overall length L	140 mm
Shank square □	12 mm
Tolerance class	ISO 3 6G
Tool material	HSS E PM

## Data sheet

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 3×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	green
Type of product	Taps

## User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions		
Steel < 500 N/mm <sup>2</sup>	suitable		
Steel < 750 N/mm <sup>2</sup>	suitable		
Steel < 900 N/mm <sup>2</sup>	suitable		
Steel < 1100 N/mm <sup>2</sup>	suitable		
INOX < 900 N/mm <sup>2</sup>	suitable		
CuZn	suitable only under restricted conditions		
Uni	suitable		
Oil	suitable		

wet maximum	suitable
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