

Garant**GARANT Vap Tap machine tap HSS-E Form E, vaporised, M: M20****Order data**

Order number	135815 M20
GTIN	4069515002516
Item class	13V

Description**Version:**

GARANT Vap Tap general-purpose tap. Can be used **reliably** in a **wide range of materials**. Optimised **neck and flute length** for **improved chip evacuation** when working on **deep** threads. High-performance **HSS-E tool material** with higher **vanadium content** for improved **wear resistance**. **Surface vaporised** for reduced edge build-up.

Form E (1.5–2 turns lead chamfer).

Technical description

Standard	DIN 371
Tool material	HSS E
Thread size	M20
Thread Ø	20 mm
Number of clamping slots	4
Thread pitch	2.5 mm
Shank square □	12 mm
Number of cutting edges Z	4
Tapping hole Ø	17.5 mm
Shank Ø D _s	16 mm
Overall length L	140 mm
Thread depth	60 mm

Data sheet

Thread type	M
Tolerance class	ISO 2 6H
Coating	vaporised
Flank angle	60 degrees
Thread standard	DIN 13
Taper lead form	E
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
Series	Vap Tap
Type of product	Taps

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	18 m/min	N
Aluminium (short chipping)	suitable	13 m/min	N
Steel < 500 N/mm ²	suitable	18 m/min	P
Steel < 750 N/mm ²	suitable	15 m/min	P
Steel < 900 N/mm ²	suitable	15 m/min	P
Steel < 1100 N/mm ²	suitable	6 m/min	P
INOX < 900 N/mm ²	suitable	6 m/min	M
CuZn	suitable only under restricted conditions	15 m/min	N
Uni	suitable		

Data sheet

Oil	suitable
wet maximum	suitable