

Garant**GARANT Vap Tap machine tap HSS-E, vaporised, MF: 20X1,5****Order data**

Order number	137110 20X1,5
GTIN	4069515003063
Item class	13V

Description**Version:**

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.

Technical description

Number of clamping slots	4
Tapping hole Ø	18.5 mm
Thread depth	60 mm
Thread Ø	20 mm
Thread pitch	1.5 mm
Shank Ø D _s	16 mm
Thread size	M20×1.5
Overall length L	125 mm
Standard	DIN 374
Tolerance class	ISO 2 6H
Tool material	HSS E
Thread type	MF
Number of cutting edges Z	4

Data sheet

Shank square ☐	12 mm
Coating	vaporised
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
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		
Oil	suitable		

wet maximum	suitable
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