

**GARANT Vap Tap machine tap HSS-E DIN 376, vaporised, M: M4****Order data**

Order number	132643 M4
GTIN	4069515001861
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. Shank **to DIN 376 (shank Ø relieved)**; thus suitable for greater operating depths.

Technical description

Thread Ø	4 mm
Thread pitch	0.7 mm
Shank Ø D _s	2.8 mm
Overall length L	63 mm
Tolerance class	ISO 2 6H
Shank square □	2.1 mm
Standard	DIN 376
Tapping hole Ø	3.3 mm
Number of cutting edges Z	3
Thread size	M4
Tool material	HSS E
Thread depth	12 mm

Data sheet

Thread type	M
Number of clamping slots	3
Coating	vaporised
Flank angle	60 degrees
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
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		

