

**Garant**
**Machine tap, vaporised, M: M12**

**Order data**

Order number	135650 M12
GTIN	4045197077240
Item class	11H

**Description**
**Version:**
**Parallel offset guide thread.**
**Advantage:**

This allows the tap to be reversed with little risk of chips jamming and causing damage to the tap.

Thread type: M

Tool material: HSS E

Standard: DIN 376

Tolerance class: ISO 2 6H

Thread pitch: 1.75 mm

Overall length L: 110 mm

Shank  $\varnothing D_s$ : 9 mm

Shank square  $\square$ : 7 mm

Tapping hole  $\varnothing$ : 10.2 mm

**Technical description**

Thread pitch	1.75 mm
Number of cutting edges Z	4
Number of clamping slots	4
Tapping hole $\varnothing$	10.2 mm
Thread $\varnothing$	12 mm
Standard	DIN 376
Shank $\varnothing D_s$	9 mm

Overall length L	110 mm
Shank square □	7 mm
Tolerance class	ISO 2 6H
Tool material	HSS E
Thread depth	24 mm
Thread type	M
Thread size	M12
Coating	vaporised
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Helix angle	40°
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 2xD for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	blue
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 only under restricted conditions	15 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	P

INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	6 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	4 m/min	M
CuZn	suitable only under restricted conditions	13 m/min	N
Oil	suitable		
wet maximum	suitable		