

**Garant**
**Machine tap HSS-E-PM, Hard chrome, M: M12**

**Order data**

Order number	131120 M12
GTIN	4045197068620
Item class	11H

**Description**
**Version:**
**Strong spiral point.**
**Callout:**

Oil groove

Guide thread

Lead-in

Spiral point

**Application:**
**Hard chrome-plated surface** for reduced edge build-up and increased tool life.

Thread type: M

Tool material: HSS E PM

Standard: DIN 376

Tolerance class: ISO 2 6H

Thread pitch: 1.75 mm

Overall length L: 110 mm

 Shank  $\varnothing$  D<sub>s</sub>: 9 mm

Shank square □: 7 mm

 Tapping hole  $\varnothing$ : 10.2 mm

**Technical description**

Number of clamping slots	3
Thread pitch	1.75 mm
Number of cutting edges Z	3
Thread $\varnothing$	12 mm

Tapping hole $\varnothing$	10.2 mm
Standard	DIN 376
Shank $\varnothing D_s$	9 mm
Overall length L	110 mm
Shank square $\square$	7 mm
Tolerance class	ISO 2 6H
Tool material	HSS E PM
Thread depth	36 mm
Thread type	M
Thread size	M12
Coating	Hard chrome
Flank angle	60°
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
Colour ring	yellow
Type of product	Tap

## User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable	28 m/min	N
Aluminium (short chipping)	suitable	28 m/min	N
Alu > 10% Si	suitable only under restricted conditions	23 m/min	N

Steel < 500 N/mm <sup>2</sup>	suitable only under restricted conditions	27 m/min	P
CuZn	suitable only under restricted conditions	28 m/min	N
Oil	suitable		
wet maximum	suitable		