

**Garant**
**Hand tap set, uncoated, MF: 12X1**

**Order data**

Order number	130470 12X1
GTIN	4045197067012
Item class	11G

**Description**
**Version:**

2-piece set **comprising taper and plug tap**. Thread ground with radial thread relief.

Thread type: MF

Tool material: HSS

Standard: DIN 2181

Tolerance class: ISO 2 6H

Thread pitch: 1 mm

Overall length L: 70 mm

Shank  $\varnothing D_s$ : 9 mm

Shank square  $\square$ : 7 mm

Tapping hole  $\varnothing$ : 11 mm

**Technical description**

Thread pitch	1 mm
Thread $\varnothing$	12 mm
Tapping hole $\varnothing$	11 mm
Shank $\varnothing D_s$	9 mm
Overall length L	70 mm
Shank square $\square$	7 mm
Tolerance class	ISO 2 6H

Tool material	HSS
Standard	DIN 2181
Thread depth	24 mm
Thread type	MF
Thread size	M12×1
Coating	uncoated
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Taper lead form	D
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 3×D for blind holes
Application for type of drilling	up to 3×D for through holes
Cutting direction	right-hand
Type of threading tool	Hand tap
Colour ring	without
Type of product	Tap

## User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable only under restricted conditions		
Aluminium (short chipping)	suitable only under restricted conditions		
Alu > 10% Si	suitable only under restricted conditions		
Steel < 500 N/mm <sup>2</sup>	suitable		
Steel < 750 N/mm <sup>2</sup>	suitable		
Steel < 900 N/mm <sup>2</sup>	suitable		

GG(G)	suitable only under restricted conditions
Uni	Suitable
Oil	suitable
dry	suitable only under restricted conditions