

Garant**Hand tap set nitrided, uncoated, M: M14****Order data**

Order number	130450 M14
GTIN	4045197066688
Item class	11G

Description**Version:**

Set of three, **consisting of taper, second, and plug tap. Taper tap with long pilot.**

Surface nitrided, more resistant to wear.

Recommendation:

For **TOOLOX materials** we recommend **deviating from the DIN** data (see table) by drilling the tapping hole **0.05 to 0.3 mm** larger.

Thread type: M

Tool material: HSS E

Standard: DIN 352

Tolerance class: ISO 2X 6HX

Thread pitch: 2 mm

Overall length L: 80 mm

Shank $\varnothing D_s$: 11 mm

Shank square \square : 9 mm

Tapping hole \varnothing : 12 mm

Technical description

Thread depth	42 mm
Thread pitch	2 mm

Standard	DIN 352
Shank $\varnothing D_s$	11 mm
Shank square \square	9 mm
Thread \varnothing	14 mm
Overall length L	80 mm
Number of cutting edges Z	3
Tool material	HSS E
Tolerance class	ISO 2X 6HX
Tapping hole \varnothing	12 mm
Number of clamping slots	3
Thread type	M
Thread size	M14
Coating	uncoated
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Taper lead form	A
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	red
Type of product	Tap

User data

	Suitability	V_c	ISO code
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Alu > 10% Si	suitable only under restricted conditions
Steel < 1100 N/mm ²	suitable
Steel < 1400 N/mm ²	suitable
TOOLOX 33	suitable
GG(G)	suitable only under restricted conditions
Oil	suitable
dry	suitable only under restricted conditions