

**Garant****Hand tap set nitrided, uncoated, M: M3****Order data**

Order number	130450 M3
GTIN	4045197066619
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: 0.5 mm

Overall length L: 40 mm

Shank Ø D<sub>s</sub>: 3.5 mm

Shank square □: 2.7 mm

Tapping hole Ø: 2.5 mm

**Technical description**

Tapping hole Ø	2.5 mm
Thread pitch	0.5 mm
Thread Ø	3 mm
Standard	DIN 352

Shank Ø D <sub>s</sub>	3.5 mm
Overall length L	40 mm
Shank square □	2.7 mm
Tolerance class	ISO 2X 6HX
Tool material	HSS E
Thread depth	6 mm
Thread type	M
Thread size	M3
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 <sub>c</sub>	ISO code
Alu > 10% Si	suitable only under restricted conditions		
Steel < 1100 N/mm <sup>2</sup>	suitable		
Steel < 1400 N/mm <sup>2</sup>	suitable		

TOOLOX 33	suitable
GG(G)	suitable only under restricted conditions
Oil	suitable
dry	suitable only under restricted conditions