

Garant**Hand tap set nitrided, uncoated, M: M16****Order data**

Order number	130450 M16
GTIN	4045197066695
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 $\varnothing D_s$: 12 mm

Shank square \square : 9 mm

Tapping hole \varnothing : 14 mm

Technical description

Thread pitch	2 mm
Tapping hole \varnothing	14 mm

Thread Ø	16 mm
Standard	DIN 352
Shank Ø D _s	12 mm
Overall length L	80 mm
Shank square □	9 mm
Tolerance class	ISO 2X 6HX
Tool material	HSS E
Thread depth	32 mm
Thread type	M
Thread size	M16
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
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