

Garant
Machine tap, uncoated, M: M12

Order data

Order number	131950 M12
GTIN	4045197070944
Item class	11H

Description
Version:
Sturdy version.
Recommendation:

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

Thread type: M

Tool material: HSS E

Standard: DIN 376

Tolerance class: ISO 2X 6HX

Thread pitch: 1.75 mm

Overall length L: 110 mm

 Shank \varnothing D_s: 9 mm

Shank square □: 7 mm

 Tapping hole \varnothing : 10.2 mm

Technical description

Thread pitch	1.75 mm
Thread \varnothing	12 mm
Number of clamping slots	4
Number of cutting edges Z	4
Tapping hole \varnothing	10.2 mm
Standard	DIN 376
Shank \varnothing D _s	9 mm

Overall length L	110 mm
Shank square □	7 mm
Tolerance class	ISO 2X 6HX
Tool material	HSS E
Thread depth	18 mm
Thread type	M
Thread size	M12
Coating	uncoated
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 1.5×D for through holes
Application for type of drilling	up to 1.5×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	red
Type of product	Tap

User data

	Suitability	V _c	ISO code
Steel < 750 N/mm ²	suitable only under restricted conditions	15 m/min	P
Steel < 900 N/mm ²	suitable	15 m/min	P
Steel < 1100 N/mm ²	suitable	6 m/min	P
Steel < 1400 N/mm ²	suitable	3 m/min	P
TOOLOX 33	suitable	4 m/min	H

TOOLOX 44	suitable only under restricted conditions	3 m/min	H
HARDOX 500 < 1600 N/mm ²	suitable only under restricted conditions	3 m/min	H
Oil	suitable		
wet maximum	suitable only under restricted conditions		