

**Garant**
**Machine tap, vaporised, M: M14**

**Order data**

Order number	135300 M14
GTIN	4045197076410
Item class	11H

**Description**
**Version:**

**With strong right-hand chip flutes**, for optimum swarf evacuation.

**Recommendation:**

For **TOOLOX 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 2 6H

Thread pitch: 2 mm

Overall length L: 110 mm

Shank  $\varnothing$  D<sub>s</sub>: 11 mm

Shank square □: 9 mm

Tapping hole  $\varnothing$ : 12 mm

**Technical description**

Number of cutting edges Z	4
Tapping hole $\varnothing$	12 mm
Thread pitch	2 mm
Number of clamping slots	4
Thread $\varnothing$	14 mm
Standard	DIN 376
Shank $\varnothing$ D <sub>s</sub>	11 mm

Overall length L	110 mm
Shank square □	9 mm
Tolerance class	ISO 2 6H
Tool material	HSS E
Thread depth	28 mm
Thread type	M
Thread size	M14
Coating	vaporised
Flank angle	60°
Thread standard	DIN 13
Taper lead form	C
Helix angle	40°
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 2×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 <sub>c</sub>	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	15 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	6 m/min	P
TOOLOX 33	suitable	3 m/min	H
Oil	suitable		

wet maximum

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suitable only under  
restricted conditions