

**Garant****Machine tap, uncoated, UNC: 12-24****Order data**

Order number	137860 12-24
GTIN	4045197080196
Item class	11H

**Description****Version:****Sturdy design, with right-hand chip flutes. HSS-E****Application:****For UNC uniform coarse threads ASME – B1.1.**

Thread type: UNC

Tool material: HSS E

Standard: DIN 371

Threads per inch: 24

Thread Ø: 5.49 mm

Overall length L: 80 mm

Shank Ø D<sub>s</sub>: 6 mm

Shank square □: 4.9 mm

Tapping hole Ø: 4.5 mm

**Technical description**

Thread Ø	5.49 mm
Thread pitch	1.058 mm
Threads per inch	24
Number of cutting edges Z	3
Number of clamping slots	3
Tapping hole Ø	4.5 mm
Standard	DIN 371
Tool material	HSS E

Shank Ø D <sub>s</sub>	6 mm
Overall length L	80 mm
Shank square □	4.9 mm
Thread depth	12.7 mm
Thread type	UNC
Thread size	12-24 UNC
Coating	uncoated
Flank angle	60 °
Tolerance class	2B
Taper lead form	C
Helix angle	20 °
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 conventional machining
Colour ring	without
Type of product	Tap

## User data

	Suitability	V <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	13 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	15 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	15 m/min	P
Oil	suitable		
wet maximum	suitable only under restricted conditions		

