

**Garant**
**Machine tap, uncoated, UNF: 12-28**

**Order data**

Order number	133400 12-28
GTIN	4045197074751
Item class	11H

**Description**
**Version:**
**With spiral point.**
**Application:**
**For UNF uniform fine threads ASME – B1.1.**

Thread type: UNF

Tool material: HSS E

Standard: DIN 371

Threads per inch: 28

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: 4.7 mm

**Technical description**

Thread Ø	5.49 mm
Number of cutting edges Z	3
Number of clamping slots	3
Threads per inch	28
Tapping hole Ø	4.7 mm
Standard	DIN 371
Tool material	HSS E

Shank $\varnothing D_s$	6 mm
Overall length L	80 mm
Shank square $\square$	4.9 mm
Thread depth	16.44 mm
Thread pitch	0.907 mm
Thread type	UNF
Thread size	12-28 UNF
Coating	uncoated
Flank angle	60 °
Tolerance class	2B
Taper lead form	B
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 3×D for through holes
Cutting direction	right-hand
Type of threading tool	Machine tap for conventional machining
Colour ring	without
Type of product	Tap

## User data

	Suitability	$V_c$	ISO code
Aluminium	suitable only under restricted conditions	13 m/min	N
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

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restricted conditions