

Garant
Machine tap, uncoated, UNF: 12-28

Order data

Order number	138000 12-28
GTIN	4045197080301
Item class	11H

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

Thread type: UNF

Tool material: HSS E

Standard: DIN 371

Threads per inch: 28

 Thread \varnothing : 5.49 mm

Overall length L: 80 mm

 Shank \varnothing D_s: 6 mm

 Shank square \square : 4.9 mm

 Tapping hole \varnothing : 4.7 mm

Technical description

Thread \varnothing	5.49 mm
Tapping hole \varnothing	4.7 mm
Number of clamping slots	3
Threads per inch	28
Number of cutting edges Z	3
Standard	DIN 371
Tool material	HSS E
Shank \varnothing D _s	6 mm

Overall length L	80 mm
Shank square □	4.9 mm
Thread depth	10.96 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	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 _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	13 m/min	N
Steel < 500 N/mm ²	suitable	15 m/min	P
Steel < 750 N/mm ²	suitable	15 m/min	P
Oil	suitable		
wet maximum	suitable only under restricted conditions		

