

Garant
Machine tap, uncoated, UNC: 1/4-20

Order data

Order number	137860 1/4-20
GTIN	4045197080189
Item class	11H

Description
Version:
Sturdy design, with 20° 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: 20

Thread Ø: 6.35 mm

Overall length L: 80 mm

 Shank Ø D_s: 7 mm

Shank square □: 5.5 mm

Tapping hole Ø: 5.1 mm

Technical description

Number of clamping slots	3
Threads per inch	20
Number of cutting edges Z	3
Thread pitch	1.27 mm
Tapping hole Ø	5.1 mm
Thread Ø	6.35 mm
Standard	DIN 371

Tool material	HSS E
Shank $\varnothing D_s$	7 mm
Overall length L	80 mm
Shank square \square	5.5 mm
Thread depth	12.7 mm
Thread type	UNC
Thread size	1/4-20 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 2xD 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		

