



## HOLEX Pro Tap machine tap HSS-E, TiN, UNF: 1/2-20



### Order data

Order number	138050 1/2-20
GTIN	4062406374945
Item class	12I

### Description

#### Version:

**HOLEX Pro Tap general-purpose tap.** Sturdy design suitable for a wide spectrum of materials. **Improved HSS-E tool material with low-friction TiN coating.**

#### Application:

**For UNF uniform fine threads ASME – B1.1.**

### Technical description

Tapping hole $\varnothing$	11.5 mm
Thread $\varnothing$	12.7 mm
Number of cutting edges Z	3
Number of clamping slots	3
Threads per inch	20
Thread depth	31.75 mm
Overall length L	100 mm
Shank $\varnothing D_s$	9 mm
Thread pitch	1.27 mm
Thread type	UNF
Standard	DIN 374
Tool material	HSS E

Thread size	1/2-20 UNF
Shank square □	7 mm
Series	Pro Tap
Coating	TiN
Flank angle	60°
Tolerance class	2B
Taper lead form	C
Helix angle	40°
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 2.5×D for blind holes
Cutting direction	right-hand
Type of threading tool	Machine tap for dynamic machining
Colour ring	green
Type of product	Tap

## User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable	24 m/min	N
Aluminium (short chipping)	suitable	25 m/min	N
Alu > 10% Si	suitable	10 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	24 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	20 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	15 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable only under restricted conditions	8 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	8 m/min	M
CuZn	suitable only under restricted conditions	15 m/min	N

Uni	suitable
Oil	suitable
wet maximum	suitable