



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



Order data

| | |
|--------------|---------------|
| Order number | 133425 1/2-20 |
| GTIN | 4062406374358 |
| 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 unified fine threads ASME – B1.1.

Thread type: UNF

Tool material: HSS E

Standard: DIN 376

Threads per inch: 20

Thread Ø: 12.7 mm

Overall length L: 100 mm

Shank Ø D_s: 9 mm

Shank square □: 7 mm

Tapping hole Ø: 11.5 mm

Technical description

| | |
|---------------------------|---------|
| Shank square □ | 7 mm |
| Thread pitch | 1.95 mm |
| Number of clamping slots | 3 |
| Number of cutting edges Z | 3 |
| Shank Ø D _s | 9 mm |
| Thread Ø | 12.7 mm |

| | |
|----------------------------------|-----------------------------------|
| Overall length L | 100 mm |
| Thread size | 1/2-20 UNF |
| Threads per inch | 20 |
| Thread type | UNF |
| Tool material | HSS E |
| Thread depth | 38.1 mm |
| Standard | DIN 376 |
| Tapping hole Ø | 11.5 mm |
| Coating | TiN |
| 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 dynamic machining |
| Type of product | Tap |

User data

| | Suitability | V _c | 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 ² | suitable | 24 m/min | P |
| Steel < 750 N/mm ² | suitable | 20 m/min | P |
| Steel < 900 N/mm ² | suitable | 15 m/min | P |

| | | | |
|--------------------------------|---|----------|---|
| Steel < 1100 N/mm ² | suitable only under restricted conditions | 8 m/min | P |
| INOX < 900 N/mm ² | suitable | 8 m/min | M |
| CuZn | suitable only under restricted conditions | 15 m/min | N |
| Uni | suitable | | |
| Oil | suitable | | |
| wet maximum | suitable | | |