

Screw tap, HSSE-PM Ultra HL with internal cooling M ISO 2X (6HX) 45° (right) 371 C

for universal use up to 1000 N/mm²



Application

For producing metric threads on CNC machines or conventional machines in **blind holes** in steel, stainless steel, non-ferrous metals, cast iron and special alloys up to 1200 N/mm².

Advantage

- Ideal for long service life requirements and materials that are difficult to machine, such as stainless steel
- Innovative cutting geometry and ULTRA HL coating guarantee high process reliability even under difficult machining conditions
- h6 shank for clamping in shrink-fit chucks
- HSSE PM cutting material and internal cooling for longer service life

| Application | Steel (N/mm ²) | | | Stainless steel | | Alu | | Brass | | Bronze | | Plas-tics | Graphite G(C)FK | GG(G) GJMW | Titan-alloy | Nickel-alloy | Super-alloy | Hard mat. | |
|-------------|----------------------------|-------|-------|-----------------|---------|-------|------|-------|------|--------|------|-----------|-----------------|------------|-------------|--------------|-------------|-----------|---------|
| | <700 | <1000 | <1300 | marten. | austen. | short | long | short | long | short | long | | | | | | | <55 HRC | <65 HRC |
| | 18 | 12 | 8 | 11 | 10 | 19 | 19 | 17 | 19 | 17 | 18 | 13 | | 18 | 7 | 6 | 6 | | |

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| Art. no. | 13081 100 |
| Type | UNI MAX 45HL Control |
| Thread type | Metric thread |
| Thread type x nominal diameter | M10 |
| Pitch | 1.5 mm |
| Hole type | Blind hole ≤ 2.5xD |
| Cutting material | HSSE-PM |
| Surface | ULTRA HL |
| Lead angle shape | C |
| Tolerance of screw taps | ISO 2X (6HX) |
| Twist angle | 45° (right) |
| Shaft diameter | 10 mm |
| Application type/machine type | CNC, Conventional |
| Core hole diameter | 8.5 mm |
| Coolant supply | Internal |
| Length | 100 mm |
| Shank square | 8 mm |
| Cutting speed (steel 1000) suitability | 1 |
| Cutting speed (steel 1300) suitability | 2 |
| Overall stainless steel suitability | 1 |
| fitness not iron total | 1 |
| fitness Titan/Nickel/Super total | 1 |
| Cutting speed (cast) suitability | 1 |
| Cutting speed (hard 55) suitability | 3 |
| Cutting speed (hard 65) suitability | 3 |
| DIN | 371 |

EAN-Code

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