

## Screw tap, HSSE Ultra HL M ISO 2 (6H) 40° 371 C

For universal use up to 1000 N/mm<sup>2</sup>

**ATORN**<sup>®</sup>



### Application

For producing metric threads on CNC machines or conventional machines in **blind holes** in the steel, stainless steel, non-ferrous metals and cast iron material groups up to a strength of 1000 N/mm<sup>2</sup>

### Version

- Structural dimensions in accordance with: DIN 371 = reinforced shank (up to M10), DIN 376 = over-long shank (from M12)

### Advantage

- Innovative cutter geometry and newly developed ULTRA HL coating ensures high process reliability even in difficult machining conditions

Application	Steel (N/mm <sup>2</sup> )			Stainless steel		Alu		Brass		Bronze		Plastics	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	8	8		18		19		18	15		15						

<b>Art. No.</b>	<b>13049 050</b>
<b>Type</b>	UNI 40 Control
<b>Thread type</b>	Metric thread
<b>Thread type x nominal diameter</b>	M5
<b>Pitch</b>	0.8 mm
<b>Hole type</b>	Blind hole ≤ 2.5xD
<b>Cutting material</b>	HSSE
<b>Surface</b>	ULTRA HL
<b>Lead angle shape</b>	C
<b>Tolerance of screw taps</b>	ISO 2 (6H)
<b>Twist angle</b>	40°
<b>Shaft diameter</b>	6 mm
<b>Application type/machine type</b>	CNC, Conventional
<b>Core hole diameter</b>	4.2 mm
<b>Coolant supply</b>	External
<b>Length</b>	70 mm
<b>Shank square</b>	4.9 mm
<b>Cutting speed (steel 1000) suitability</b>	1
<b>Cutting speed (steel 1300) suitability</b>	2
<b>Overall stainless steel suitability</b>	1
<b>fitness not iron total</b>	2
<b>fitness Titan/Nickel/Super total</b>	3
<b>Cutting speed (cast) suitability</b>	1
<b>Cutting speed (hard 55) suitability</b>	3
<b>Cutting speed (hard 65) suitability</b>	3
<b>DIN</b>	371

### EAN-Code

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