

## Screw tap, HSSE-PM Carbo M ISO 2 (6H) 40° (right) 371 C

For use in non-ferrous metals

**ATORN®**



### Application

For producing metric threads on CNC or conventional machines in **blind holes** in the non-ferrous metals material group.

### Version

- Dimensions in accordance with: DIN 371 = reinforced shank (up to M10), DIN 376 = transition-fit shank (from M12)

### Advantage

- Specialised use with optimised chip geometry for use in NF metals.
- Innovative carbo coating for very good gliding properties and emergency operating function if coolant supply is interrupted.

| 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 |
|             | 19                         |       |       |                 |         | 24    | 22   | 18    | 22   | 18     | 18   | 16       |                 |            |             |              |             |           |         |

|   |                    |
|---|--------------------|
| <b>Art. No.</b>                               | <b>13349 050</b>   |
| <b>Type</b>                                   | M MAX 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-PM            |
| <b>Surface</b>                                | Carbo coating      |
| <b>Lead angle shape</b>                       | C                  |
| <b>Tolerance of screw taps</b>                | ISO 2 (6H)         |
| <b>Twist angle</b>                            | 40° (right)        |
| <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> | 3                  |
| <b>Cutting speed (steel 1300) suitability</b> | 3                  |
| <b>Overall stainless steel suitability</b>    | 3                  |
| <b>fitness not iron total</b>                 | 1                  |
| <b>fitness Titan/Nickel/Super total</b>       | 3                  |
| <b>Cutting speed (cast) suitability</b>       | 3                  |
| <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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