

## HSS 90° conical countersink, triple-fluted, extremely uneven pitch with 3-surface shaft

for universal use up to 1300 N/mm<sup>2</sup>

**ATORN**<sup>®</sup>

### Application

For producing 90° counterbores up to 1300 N/mm<sup>2</sup>.

### Version

- profile-ground triple-edge countersink with radial relief, with extremely uneven pitch

### Advantage

- radial relief ensures optimum chip breaking
- Uneven pitch ensures excellent surfaces without chatter marks and minimisation of cutting forces
- 3-sided shaft ensures very good power transmission and prevents the tool from spinning in the drill chuck or cordless drill



| 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 |
|             | 40                         | 30    | 12    | 15              | 15      | 40    | 50   | 40    | 40   | 40     | 40   | 40       |                 | 20         | 10          |              |             | 6         |         |

|                                |   |
|--------------------------------|---|
| <b>Art. No.</b>                | <b>11501 678</b>                              |
| <b>Countersink angle</b>       | 90 Degree                                     |
| <b>Cutting material</b>        | HSS   |
| <b>Surface</b>                 | TiN/ZrN                                       |
| <b>Number of cutting edges</b> | 3 PCS   |
| <b>Tool holding device</b>     | Parallel shank with three tightening surfaces |
| <b>Spot-facer diameter</b>     | 12.4 mm                                       |
| <b>Tip diameter</b>            | 2.8 mm  |
| <b>Shaft diameter</b>          | 8 mm  |
| <b>Length</b>                  | 56 mm   |
| <b>f steel 700</b>             | 0.1 mm/U                                      |
| <b>DIN</b>                     | 335   |

### EAN-Code

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