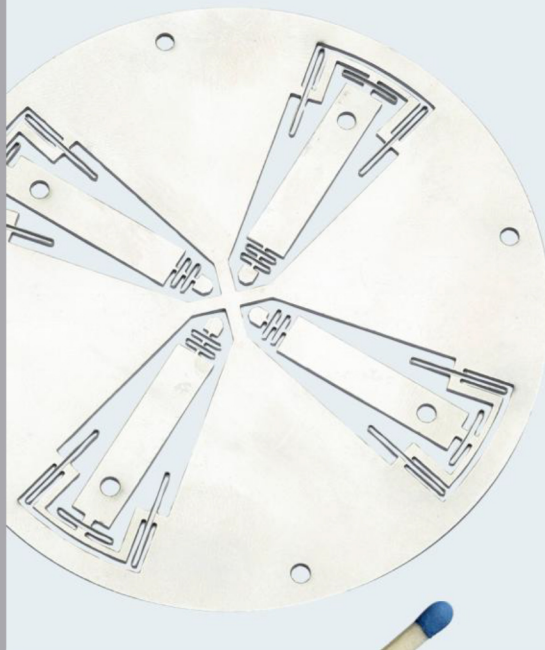
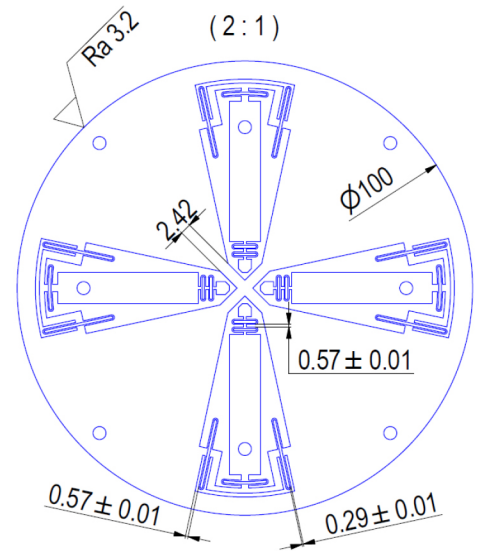


Facts & Figures

- Name: Coupling
- Material: 1.4310 / X10CrNi188 - CNS
- Material thickness: 1 mm
- Kerf: 0.3 mm
- Water pressure: 55,000 psi (3,800 bar)
- Quality grade: Q7
- Feed rate: 180 mm/min.
- Machining time: 19 minutes 23 seconds



Benefits

- Efficient cutting performance
- No thermal effects, thus tension-free and even
- No mechanical loads – fine contours can be cut without post-machining
- Spring properties remain unaffected
- Basic structure remains
- No drilling of starting holes
- Minimal burr formation
- No micro-cracks, thus longer service life



Alternative

- Etching not possible due to ratio between land width and material thickness. Micro-milling not efficient. Laser cutting and wire-cut EDM affect the material properties. Wire-cut EDM only possible with starting holes, leading to significant delays.