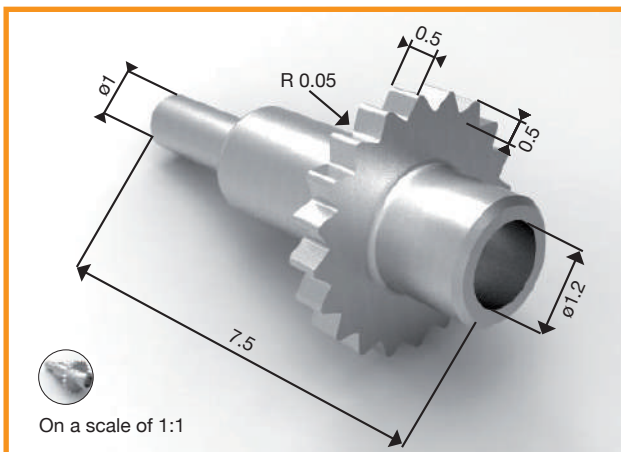


## Precision even to the last detail



## Features & Benefits

- Constant dimension and shape accuracy
- Fine gear forms and threads
- Eccentric shapes
- High-load capacity thanks to work hardening



- Minimum Diameter :  $\geq 0.5$  mm
- Minimum Length :  $\geq 2$  mm
- Minimum Hole Diameter :  $\geq 0.4$  mm
- Length Tolerance :  $\geq 50$  micron (IT10)
- Diameter Related Tolerance :  $\geq 14$  micron (IT8)
- Bore Tolerance :  $\geq 25$  micron (IT9)
- Surface Roughness : Up to Ra 0.2

Dimensions and tolerances depend on component, material and process route, and must be considered individually.



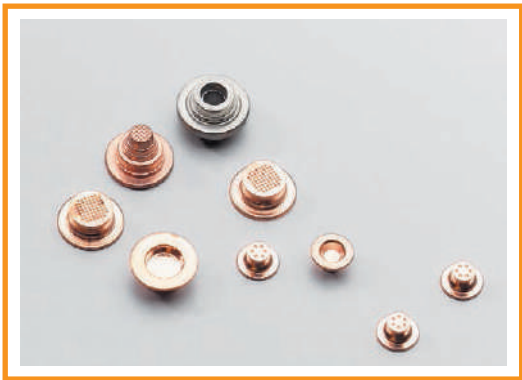
- In-house tool design and manufacturing
- Many years of experience in the field of miniature production
- State-of-the-art production equipment
- Complete process chain in-house
- Tool simulations to help design the most economic production process
- Rapid prototyping



**Improved material mechanical strength through plastic deformation as a result of transfer arm cold forging process**

- Ability to produce intricate features in components
- Increased production efficiency
- Savings in raw materials
- Reduces / eliminates the need for secondary processes
- Improved tool life

**Applications**



Copper electrodes for gas discharge tubes



Fasteners and aluminium bushings for hearing aids



Magnetic soft iron cores for the electrical industry



Components for the automotive and electrical industry