

Clutch Hub & Housing Assemblies

Clutch hubs and housings made from mild or high strength steel or aluminum for weight savings.



Features and Specifications

- Expertise with all forming capabilities: stamping with roller-die or cam-die forming, flow forming, and Ernst Grob forming
- Diverse assembly processes include Capacitor Discharge (CD) welding, friction welding, laser welding, mechanical fastening, and dissimilar metal joining processes
- Oil vent slots or holes and snap ring grooves
- Incorporates coining and fine-blanking to minimize or eliminate secondary processing
- Carry very high torque loads

Competitive advantage/differentiators

- Expertise allows us to choose the optimum process for the required product
- Can include precise internal spline features with minimal wasted material compared to machined castings or forgings

Applications/benefits

- Currently in production
- Applicable to all vehicle segments
- Short cycle time for high-volume programs

SOP

Ideation

Discovery

Concept

Development

Serial Preparation

in Production