

## **E-MOBILITY**

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In the field of electromobility, Tekfor can already offer products for the mobility of tomorrow.

Whether hybridization (HEV, PHEV) or completely electric driving (BEV) with the electrification of the drive train, Tekfor makes mobility future-proof today and develops

high-precision, lightweight and high-strength components for you – also for maximum rotation speed.

In addition, our patented Tekmount® technology enables the joining of highly loaded and high-speed rotating components.

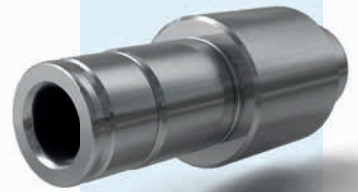
## **ROTOR SHAFT**

- According to customer requirements, the rotor shafts can be designed as hollow shafts as well as solid shafts
- Lightweight design using a tube and as a built version with the patented Tekmount® technology
- Rotor shaft ready for installation or as a semi-finished part close to the final contour
- High process expertise in the fields of rotary swaging, turning, hardening, axial forming, grinding



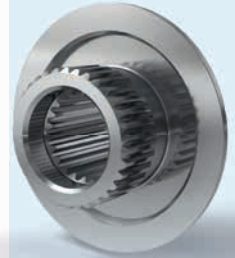
## **E-GEAR SHAFT**

- Lightweight design due to hollow shaft manufactured by forming technology
- Material savings due to net shape forging inner diameter
- Combination of forming and rotary swaging process possible



## **HUB FOR HYBRID MODULE**

- External toothing realized by forming technology
- Internal toothing by broaching or forming technology
- Tool design and process design from a single source
- Complete in-house production process (hot forging, heat treatment, turning, axial forming, broaching)



## **PARKING LOCK WHEEL**

- Compared to fineblanking/punching, the forging technology makes it possible to achieve significantly greater material thicknesses
- With identical loads, these greater material thicknesses allow smaller diameters to be achieved, which leads to a significant reduction in installation space
- Lightweight potential due to geometries realized with into the forming process



## **PARK PAWL**

- Through the combination of hot and cold forming with subsequent heat treatment and mechanical processing, the components are optimally designed for the application
- High-strength component with integrated lightweight design
- Machining meets the increased requirements for applications in electric gearboxes

