

360° fastening technology for e-mobility



BÖLLHOFF

What drives us in the future

Since cars were first invented, there have always been milestones of innovation. The next one is just around the corner - the e-mobility. However, new propulsion technology, new materials and new energy sources also result in new challenges in the fastening and assembly technology. We are glad to rise to those challenges and are right where you need us – by your side. You can only win – from the concept phase to development and construction, to the manufacture of prototypes and experimental tools, to series production to logistics. Do not hesitate to approach us as your point of contact in the mobility chain because mobility is just about to revolutionise. Electricity is gaining speed — and so are we.

Storage devices

Within this context, we are having a look at the battery tray, for example. It houses the heart and centrepiece of the electric car: the storage device (battery). Therefore, it bears responsibility for the most expensive module, while we support it with reliable and intelligent fastening technology.

- Inserts for thread reinforcement HELICOIL®
- Blind rivet nuts and studs RIVKLE®
- Adhesive bonding of fasteners ONsert®
- High-speed joining RIVTAC®
- Tolerance compensation systems FLEXITOL®
- Blind rivet nuts for isolation RIVKLE®Elastic

E-machine

Higher performance and smaller. These are the attributes demanded for modern e-machines. And again, we are involved. Regardless of whether you need the stator to be attached to the case or the stator core to be anchored: you can count on us.

- Inserts for thread reinforcement HELICOIL®
- Customised development parts made of elastomers ELASTEC®

Front and rear end

Cars appeal to us through emotions and aesthetics. Particularly the front and rear end shape the modern design of an e-vehicle. They are also affected by increasing technical requirements. Those particularly relate to comfort, safety, reliability and driving performance. The use of modern material and composite designs bears great potential for our innovative fastening technologies.

- Blind rivet nuts and studs RIVKLE®
- Thread inserts for plastics AMTEC® / after moulding
- Thread inserts for plastics IMTEC® / in-moulding
- Vibration- and noise-isolating plug-in connection SNAPLOC®
- Blind rivet nuts for isolation RIVKLE® ELASTIC
- Customised development parts made of engineering thermoplastics TEPRO®
- Tolerance compensation systems FLEXITOL®
- Quick acting fasteners QUICKLOC®

Power electronics

Full power. Power electronics in electric cars is a key technology because it is also important for the performance of an electric machine in the car. Whatever modules you wish to attach — the inverter, the DC/DC converter or other components of the power electronics — we find the solution you need.

- Inserts for thread reinforcement HELICOIL®
- Blind rivet nuts and studs RIVKLE®
- Adhesive bonding of fasteners ONsert®
- High-speed joining RIVTAC®
- Tolerance compensation systems FLEXITOL®
- Inserts for thread reinforcement KOBsert®

... not to forget: as always, we also support you with our know-how in the areas of interior and body construction.

New thinking for new fastening technology

Convinced? Your requirements are our drive.

We are motivated and committed, we work out concepts and solutions and provide them to you within no time. Let us write the script about the future of the e-car.



Böllhoff Group
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