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ARNOLD®
BlueFastening Systems

ARNOLD-TV
presents

How do battery pack fastening solutions work?



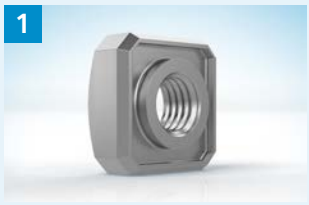
Fastening the Future of Mobility

Innovative fastening solutions for battery packs

- join without pre-punching
- meet strict strength requirements
- wide range of mechanical joining procedures
- comprehensive services

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1



PIAS® / RIVTEX®

Using PIAS® (square-cut) and RIVTEX® (round) self-clinching nuts you can create a non-detachable sheet metal fastening at optimum cost; suitable for steel and aluminium.
Field of application: Battery frame

2



STRUX® / RIVTEX®

Using STRUX® and RIVTEX® press-fit screws you can create a non-detachable sheet metal fastening at optimum cost; suitable for steel and aluminium.
Field of application: Battery frame

3



Assembly

Our Assembly Service helps customers by developing and producing ready-to-assemble fastening modules. For example, we can supply brackets with integral functional elements such as PIAS® or RIVTEX® nuts, and STRUX® or RIVTEX® bolts.
Field of application: Battery frame

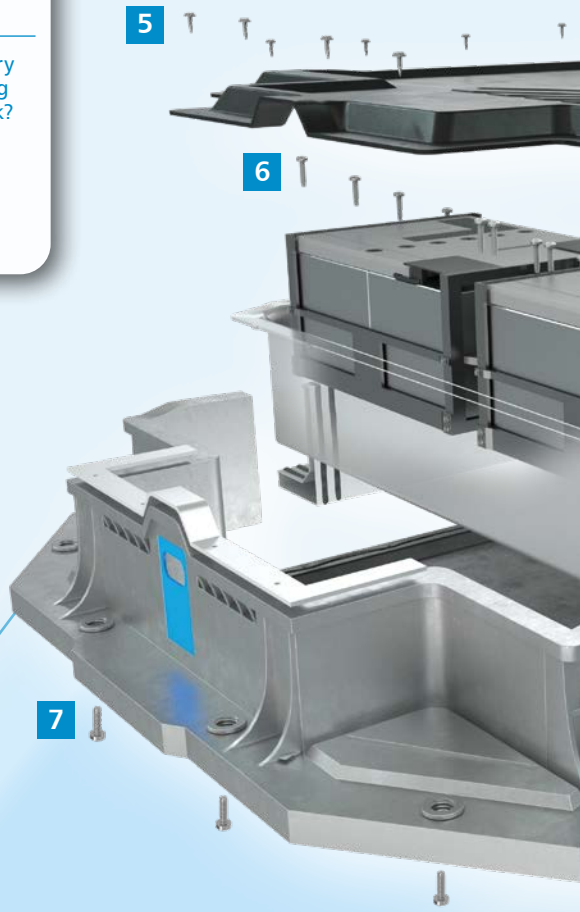
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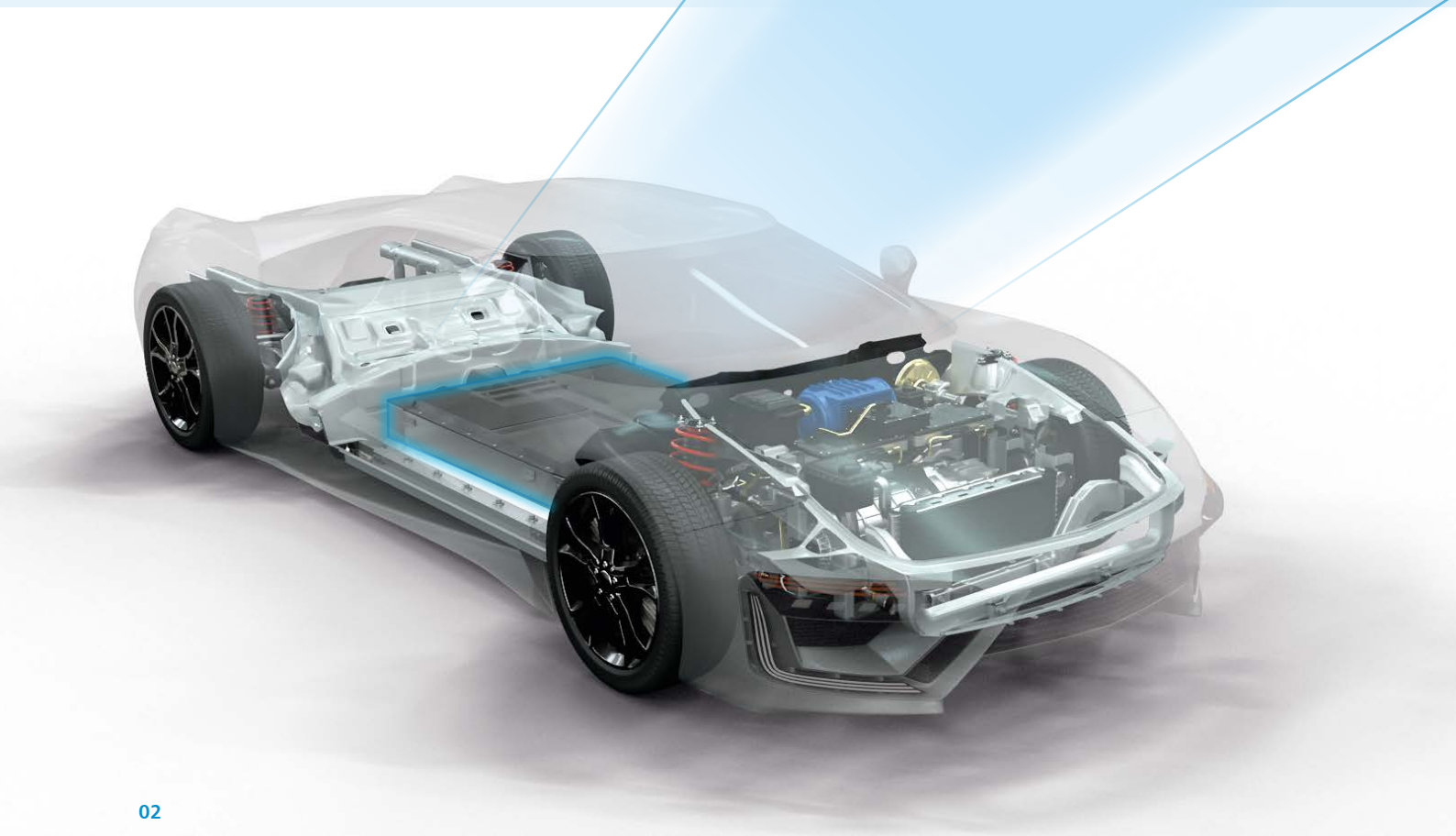
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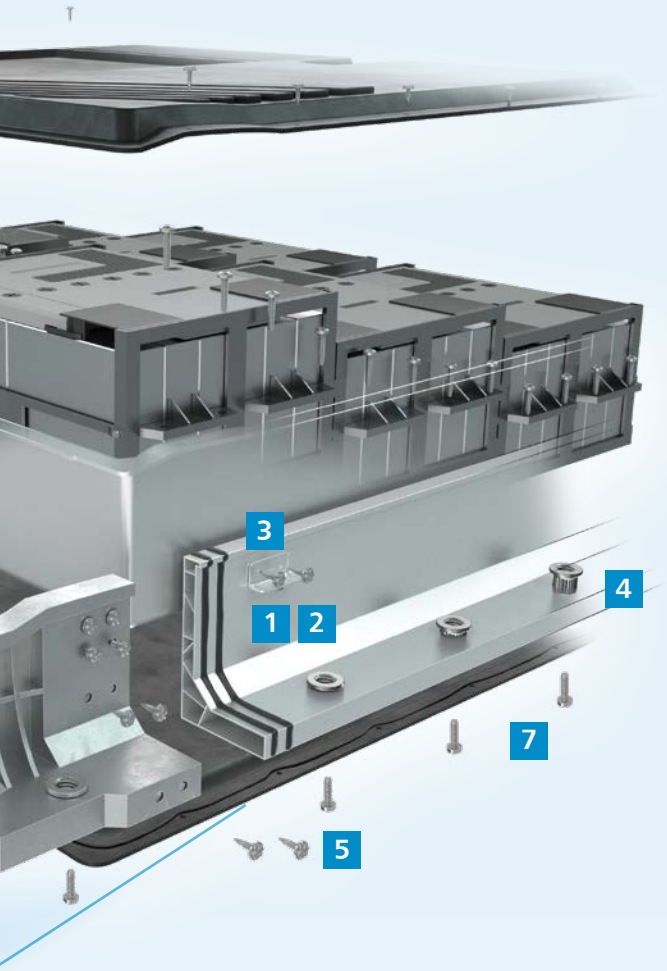
5

6

7







4



Eco-Sert®

Eco-Sert® is the name for aluminium inserts that in practice are mainly used for joining plastics.
Field of application:
Crash frame flange

5



Flowform®

Innovative fastening for sheet metal with no pre-punching using flow-hole forming screws.
Field of application:
Frame structure, underbody protection, battery cover

6



Thread-rolling screws

Generate high pull-out forces even at low penetration depths.
Field of application:
Battery modules

7



Customized metric screws

Metric thread fasteners customised to customers' requirements.
Field of application:
Vehicle chassis

Fastening eMobility: Innovative fastening solutions for battery packs

Electrification in the automotive industry places many new challenges on manufacturers and their suppliers. So ARNOLD offers some innovative joining concepts – for example for battery assembly. ARNOLD's range of expertise ensures a smooth implementation process.


Engineering


Services


Production


System technology


Fasteners


Functional parts

ARNOLD®
BlueFastening Systems

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The ARNOLD GROUP

Wherever customers need us.

The ARNOLD GROUP

ARNOLD – this name is internationally renowned for efficient and sustainable fastening systems on the highest level. With a foundation of many years of expertise in the production of intelligent fastening systems and very complex extruded parts, the ARNOLD GROUP has developed over a number of years into a comprehensive supplier and development partner for complex fastening systems. With our positioning of "BlueFastening Systems" this development process will continue under a united and harmonized structure. Engineering, fasteners, and functional parts, together with feeding and processing systems, all from a single source – efficient, sustainable and international.





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Germany



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