

02.12.2021 Reinvented: Dana simplifies logistics and assembly of large battery-housing gaskets

The battery housing gasket for high-voltage batteries used in electric vehicles are challenging to transport because of their enormous size, ranging up to 1,400 x 2,500 mm. Dana Incorporated, a leading supplier of components and systems for electric vehicles, has designed a one-piece, foldable solution capable of meeting the safety and durability requirements of light and commercial vehicles.

Folding, transporting, placing, unfolding

Dana's innovative battery-housing gasket is folded for transport to match the size of European pallets to a maximum size of 1,100 mm x 700 mm, making it especially useful for logistics and assembly. The gasket simply needs to be placed on the battery housing – and is unfolded using a installation fixture. There is no risk of assembling the gasket incorrectly. The Victor Reinz® folding gasket from Dana is already being used to seal the battery housings of vehicles in Europe and North America that are at the verge of introduction to the market.

Uninterruptible and self-extinguishing

The battery-housing gasket is a flat gasket made from a supporting sheet with a dual-sided elastomer seal. The seal and the folding elements form a circumferential and uninterrupted gasket profile around the entire rim of the battery housing. The polymer is extruded with the edge molding process and features self-extinguishing properties. The folding gasket complies with the important regulation, UL94, where the polymer must self-extinguish within seconds. To further improve corrosion protection, each bolting location is also able to be sealed.

Folding instead of piecing together

When compared to other technical solutions such as pieced together and fluid seals, the folding gasket from Dana has a clear advantage.

The gasket is supplied as a single piece, eliminating the time-consuming and fault-prone piecing together of the individual gasket parts. The flexible elastomer folding elements are much more stable, withstand tensile, bending, and shearing forces, compensating for tolerances in the millimeter range and ensuring they remain securely in position. The gasket's continuous sealing contour, without any cut, protects against potential leaking points due to bulging and elongation. If repairs are needed, the folding gasket can be removed and replaced without damaging the battery housing.

If the battery housing gasket is already pre-assembled by the supplier of the battery housing cover, Dana equips the gasket with additional insertion studs for the cover, as desired by the customer.

Key advantages of the batteryhousing gasket from Dana:

- = Can be used for almost any battery housing
- = Standardized logistics on European pallets using 3-D folding
- = Faultless assembly with the fixture without piecing together
- = Uninterruptible gasket profile
- = Tolerance compensation through flexible elastomer folding elements
- = Minimized risk of leakage
- = Already being used by customers for vehicles awaiting their immediate launch

Published by

Dana Incorporated
REINZ-Dichtungs-GmbH
Reinzstr. 3-7 | 89233 Neu-Ulm, Germany
Fon +49 731 7046-0
www.victorreinz.com

Contact

Carolin Sailer
Senior Manager
Communication and Marketing
Fon +49 731 7046-407
carolin.sailer@dana.com

About Dana in the Aftermarket

Powered by Dana brands such as Spicer[®], Victor Reinz[®], Glaser[®], GWB[®], Thompson[™], Tru-Cool[™] and Transejes[™], Dana delivers a broad range of aftermarket solutions, including genuine, all makes, and value lines servicing passenger, commercial, and off-highway vehicles across the globe. Leveraged by a global network of 14 distribution centers, Dana's dedicated aftermarket team provides technical service, customer support, high fill rates, and on-time delivery to customers everywhere. For more information, please visit www.VictorReinz.com.

About Dana Incorporated

Dana is a leader in the design and manufacture of highly efficient propulsion and energy-management solutions that power vehicles and machines in all mobility markets across the globe. The company is shaping sustainable progress through its conventional and clean-energy solutions that support nearly every vehicle manufacturer with drive and motion systems; electrodynamic technologies, including software and controls; and thermal, sealing, and digital solutions.

Based in Maumee, Ohio, USA, the company reported sales of \$10.3 billion in 2024 with 39,000 people in 30 countries across six continents. With a history dating to 1904, Dana was named among the "World's Most Ethical Companies" for 2023 and 2024 by Ethisphere and as one of "America's Most Responsible Companies 2023" by Newsweek. The company is driven by a high-performance culture that focuses on

Published by

Dana Incorporated
REINZ-Dichtungs-GmbH
Reinzstr. 3-7 | 89233 Neu-Ulm, Germany
Fon +49 731 7046-0
www.victorreinz.com

Contact

Carolin Sailer
Senior Manager
Communication and Marketing
Fon +49 731 7046-407
carolin.sailer@dana.com

valuing others, inspiring innovation, growing responsibly, and winning together, earning it global recognition as a top employer.

Learn more at [dana.com](https://www.dana.com).

Contenido del sitio: <https://www.victorreinz.com/ES/Noticias/Noticias-de-prensa.aspx?conseq=3306>

Published by

Dana Incorporated
REINZ-Dichtungs-GmbH
Reinzstr. 3-7 | 89233 Neu-Ulm, Germany
Fon +49 731 7046-0
www.victorreinz.com

Contact

Carolin Sailer
Senior Manager
Communication and Marketing
Fon +49 731 7046-407
carolin.sailer@dana.com