

ElroSeal™ E - the rotary shaft seal in the automotive sector that masters new requirements - going ahead for new dimensions.

Challenge	Increasing rotation speed combined with minimum power dissipation and maximization of running performance are the focus of current developments in e-machines/e-drives.
Solution	ElringKlinger Kunststofftechnik has developed a new product family that meets these more stringent requirements and offers customers even greater scope to meet future challenges.
Result/Conclusion	Through the implementation of an innovative design and the use of innovative materials and manufacturing processes, the customer can realize up to 50% higher circumferential speeds, with continued low power loss. The efficiency of e-axles can thus be further increased and the running performance extended.

With the transformation of the automotive industry in the field of drive technology, experience, progress and requirements in the area of electric axles are steadily increasing.

In response, ElringKlinger Kunststofftechnik was asked to what extent it could offer a high-performance seal for electric drive axles that would exceed standard market requirements by up to 50% in terms of rotational speed and overall mileage.

Close collaboration between product, material and process specialists resulted in the development of a new generation of PTFE-based rotary shaft seals. This new higher performance product family is now available under the name "ElroSeal™".

This further development has ensured that new customer requirements are met and the performance of the application interface has been significantly increased.

You can get more info in advance on our [homepage](#).
Or you can send us an inquiry to automotive@elringklinger.com

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