

ElroSeal™ E

Rotary Shaft Seal for friction reduction & increase of efficiency

Application: e-Mobility – integrated e-axes with high-speed shafts

Description

High speed sealing solution for rotating applications used for i. e. electric motors, actuators, electrical charging and powertrain systems.

Uses the latest fluoropolymer sealing technology, specified for low friction, high speed, high pressure, dry running conditions as well as high media and temperature resistance.



Features

- High performance fluoropolymer sealing lip
- High chemical resistance
- Designed for high speed application
- No stick-slip effect
- Useable for insufficient lubrication and dry running conditions
- Vibration damping effect at high shaft speeds
- Running time optimized for extra-long service life
- Stainless steel housing material

Application Parameters

- Rotating speed: up to 40 m/s
- Temperature range typical: -40°C to +150°C
- Housing tolerance: H8
- Hardened shaft: ≥ 58 HRC

Product Advantages

- Modular system for housing and lip design
- Optimized sealing lip design for excellent sealing behavior
- Optional helix structure for alternating rotational directions
- Production processes for low, mid and high volumes
- Customized laser marking on housing for advanced traceability
- Service life ≥ 500.000 km possible