# ElRoSeal™

## Rotary Shaft Seals for friction reduction & increase of efficiency

**Applications Mechanical Engineering:** **electric drives, high-speed shafts, high pressure**
**Applications Automotive:** **e-Mobility – integrated e-axes with high-speed shafts**

### Description

High speed Sealing solution for rotating applications used for i.e. driven tool trays, electric motors, compressors, actuators, electrical charging and powertrain systems furthermore food applications.
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
- Electrical insulating or electro conductive material available
- High chemical resistance
- Designed for high speed and high pressure
- No stick-slip effect
- Vibration damping effect at high shaft speeds
- Non-abrasive sealing lip materials, also for non-hardened shafts
- Different housing materials available, also stainless steel

### Application parameters

- Rotating speed up to 30.000 1/min
- Rotating speed up to 35 m/s
- Power loss < 80 Watt
- Temperature range -40 °C to +220 °C
- Housing tolerance H8
- FDA, KTW, 3A conform
- Hygienic Design

### Product Advantages

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

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