

# ElroSeal™ G

## Rotary Shaft Seal for increase of efficiency

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

### Description

High speed grounding solution for rotating applications used for i.e. electric motors, actuators, electrical charging and powertrain systems. Uses the special grounding technology, modified for low friction, high speed, high pressure, dry running conditions as well as high media and temperature resistance.



ElroSeal™ G type  
PTFE with  
grounding technology



ElroSeal™ G type  
stainless steel housing with  
grounding technology

### Features

- High chemical resistance
- Designed for high speed application
- No stick-slip effect
- Useable for insufficient lubrication and dry running conditions
- Running time optimized for extra-long service life
- Stainless steel housing material or PTFE
- Permanent grounding function during high speed application

### Application parameters

- Rotating speed up to 60 m/s
- Temperature range typical -40 °C to +200 °C
- Housing tolerance H8
- Hardened shaft  $\geq$  58 HRC
- Resistance  $\leq$  5 Ohm

### Product Advantages

- Modular system for housing and grounding
- Production processes for low, mid and high volumes
- Customized laser marking on housing for advanced traceability
- Service life  $\geq$  500.000 km possible