

StayDry[®] Bearing

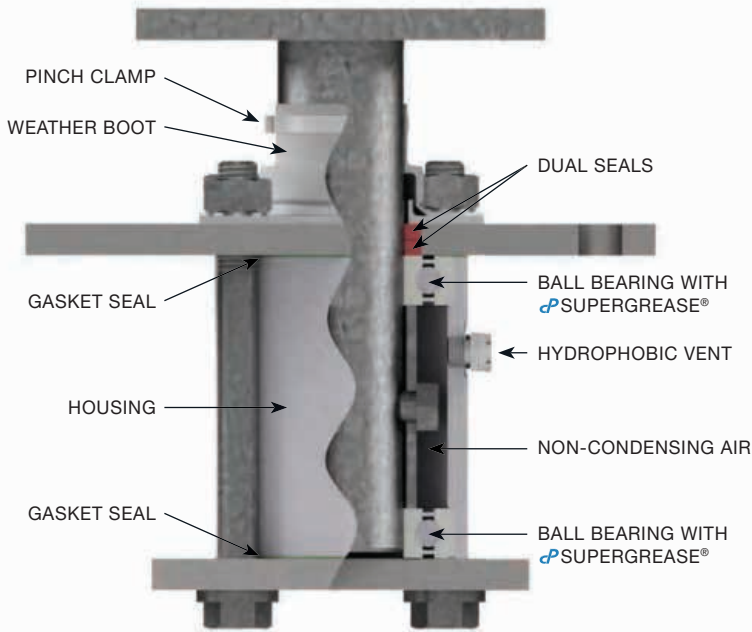
A sealed ball bearing assembly for
rotating insulators on high-voltage
disconnect switches

US Patent No. US 11,515,103 B2



Innovative Solutions

The StayDry® bearing is a patented, watertight ball bearing assembly for rotating insulators on disconnect switches which provides the ultimate in reliability. The application of hydrophobic membrane technology eliminates seal stress and keeps the bearing free of water and any condensing moisture thereby preventing any corrosion. This proven technology has been used across a wide array of industries for decades to protect enclosed volumes from the effects of temperature and pressure fluctuations, moisture, and contaminants.



Engineered for Performance

Years of over-stress testing conducted in Pennsylvania and Florida showed no corrosion inside the bearing assembly, even without grease for corrosion protection.

Tests conducted on vented bearing samples without a hydrophobic membrane corroded and seized after only four months. StayDry® bearings, which contain a hydrophobic membrane vent, continued to operate smoothly.

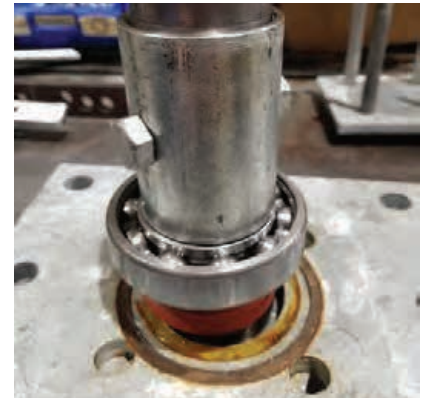
Over-stress testing using 168° F salt water showed that cP SuperGrease® protected all bearing surfaces from corrosion. Applying this grease to the bearing surfaces provides exceptional adherence, low friction, and corrosion protection.

Cleveland/Price reserves the right to make changes or improvements to the product shown in this brochure without notice or obligation.

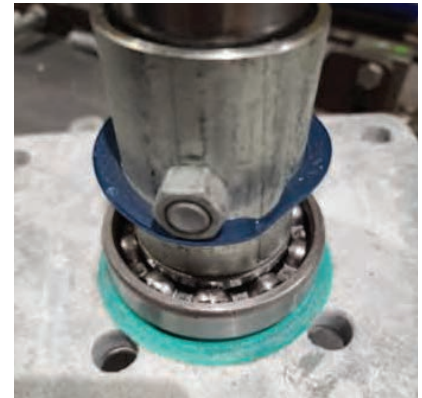


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Testing



Multi-year outdoor testing performed at Cleveland/Price showed no corrosion.



The following tests were conducted by an independent lab to verify performance.

- Temperature Shock
- Humidity
- Water Ingress
- Dust Ingress
- Salt Spray
- Life



cP SuperGrease®

cP SuperGrease® is a heavy-duty, full synthetic NLGI 1-grade industrial grease tailored for extreme temperature conditions, delivering outstanding protection in the harshest corrosive environments.