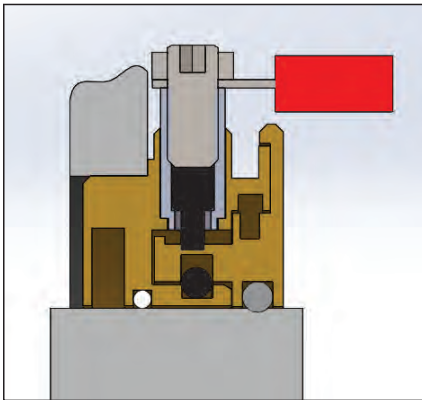




APPLICATION SOLUTIONS: **SMART™ MGS®**

INCREASE RELIABILITY WITH COMPLETE BEARING PROTECTION

Premium shaft grounding and permanent bearing protection for severe-duty applications in one effective solution: the Inpro/Seal® Smart MGS.



Isolated conductive filaments in the Smart MGS improve shaft grounding performance.

The Smart MGS employs proven shaft grounding technology with the patented VBXX® Bearing Isolator. Conductive filaments are isolated within the seal and provide a low impedance path to ground, diverting stray shaft currents safely away from the bearings to ground. The seal's stator/rotor interface permanently protects against contamination ingress while the D-Groove and grease band seal against lubrication loss for either oil or grease lubricated applications.

The Smart MGS significantly increases long term grounding effectiveness. Isolated conductive filaments contact an integrated bronze rotor rather than the shaft directly, providing a consistent surface regardless of shaft condition and protecting the filaments from contamination.

When carbon filaments and the shaft are in direct contact, as in most grounding ring designs, conduction inhibiting oxidation forms on the shaft, reducing effectiveness over time. Some devices require the application of silver coatings or other maintenance to the shaft at regular intervals to maintain performance. The innovative use of the bronze rotor as a conductive element within the Smart MGS design eliminates shaft oxidation without requiring costly ongoing maintenance.

For added peace of mind, the Smart MGS can provide instant feedback on shaft grounding performance by connecting to the exclusive Inpro/Seal Smart Ground Monitor™.

SMART™ MGS

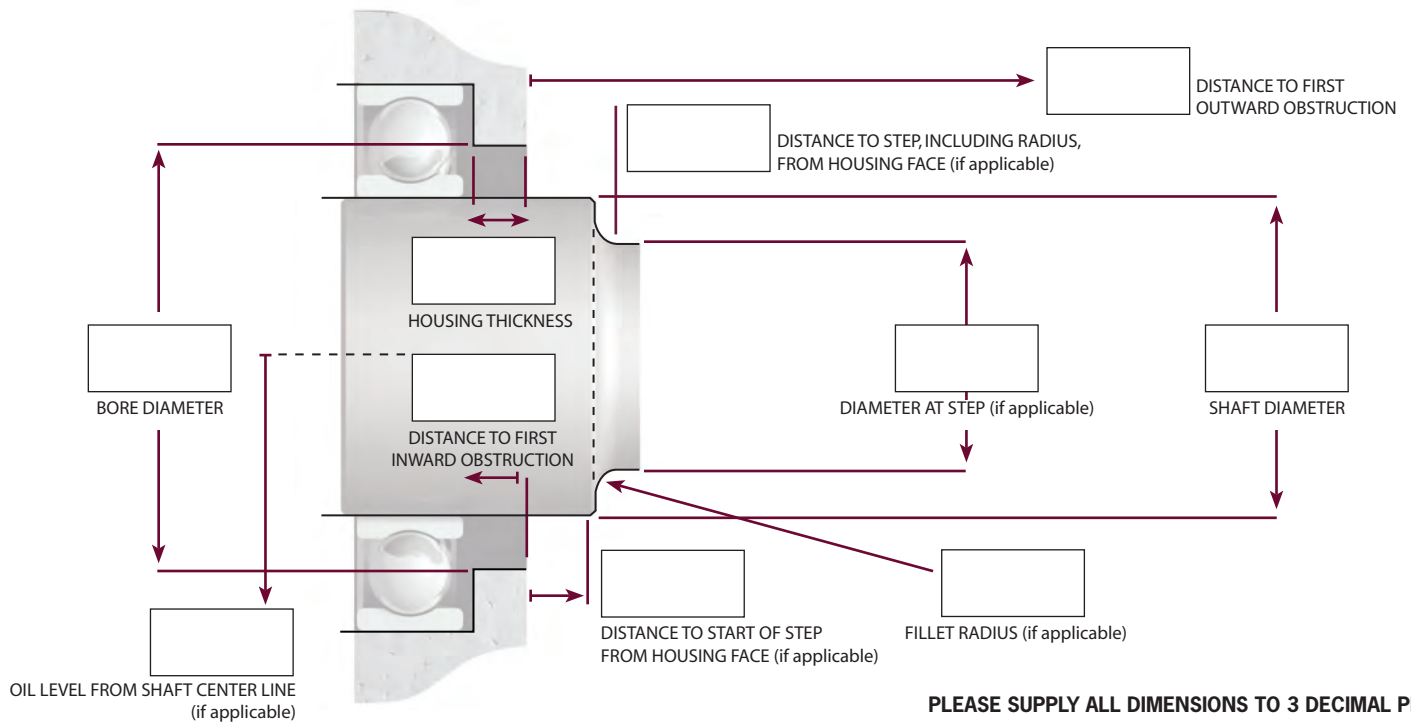
FACTS AT A GLANCE

The Inpro/Seal® Smart™ MGS®:

- Is designed for severe-duty VFD-driven applications
- Permanently protects against contamination ingress and lubrication loss
- Uses proven CDR technology to safely divert harmful shaft currents away from the bearings to ground
- Utilizes internal conductive filaments and a zero-maintenance rotor to maintain shaft grounding performance
- Connects to the Smart Ground Monitor for condition monitoring



SMART™ MGS® REQUEST FOR QUOTE



Data Needed For Quote

SMART MGS INFO

APPLICATION: Pump Motor Other _____

CURRENT SEALING SOLUTION: Lip Laby Other _____

SHAFT POSITION: Horizontal Vertical Up Vertical Down

BEARING TYPE: Ball Sleeve Roller

MOUNTING: Standard Press-Fit Flange Other _____

PRIMARY FOCUS: Contamination Lube Retention Both

LUBE: Oil (level) _____ Grease Oil Mist Forced Oil System

FIRST OBSTRUCTION: Step Keyway Other _____

AXIAL MOVEMENT: _____

SHAFT SPEED: _____

MISALIGNMENT:

Diametric Run Out Greater Than .005" TIR? Yes No

If yes, how much? _____

Shaft To Bore Misalignment Greater Than .007" TIR? Yes No

If yes, how much? _____

TEMPERATURE AT SEAL: °C | °F Min _____ Max _____

ENVIRONMENT: _____

HOUSING TYPE: Solid Split

SEAL TYPE: Solid Split

CONSTRUCTION MATERIAL: Bronze Stainless Other _____

TOTAL PIECES OF EQUIPMENT: _____

CONTACT FOR QUESTIONS: _____

SMART GROUND MONITOR™ INFO

IS 24 VDC AVAILABLE? Y N

DO YOU REQUIRE A CABLE KIT? Y N

Cable Kit includes:

30.5 m (100 ft) 2 Core Wire (connect to Smart CDR)

30.5 m (100 ft) 4 Core Wire (connect power/communication)

IP67 Wire Connector and Assembly

BRIEFLY DESCRIBE THE APPLICATION

Fax RFQ sheet to 309-787-6114 or email info@inpro-seal.com



INPRO/SEAL®
A Waukesha Bearings Business

EXPERT ENGINEERING. PROVEN RESULTS.®

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