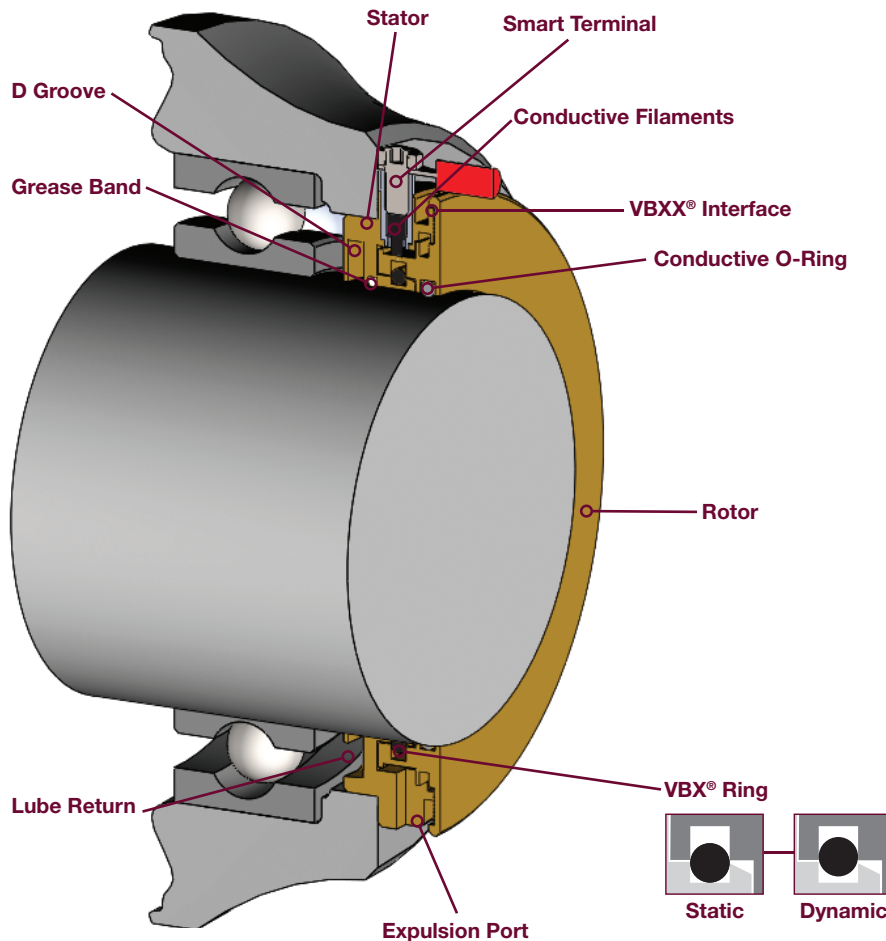


SMART SHAFT GROUNDING

Smart MGS®



Smart MGS Features:

Smart Terminal – connects to the Smart Ground Monitor™ to provide condition monitoring

VBXX® interface – unique stator/rotor interface for permanent protection against contamination ingress

VBX® ring – blocks the transfer of vapor contamination created by heating and cooling of the bearing enclosure

Isolated conductive filaments – protected from contamination while providing a path to ground for shaft currents, away from the bearings

Bronze rotor – promotes premium grounding performance through consistent contact with conductive filaments; prevents conduction inhibiting oxidation from forming on the shaft

Conductive O-ring – maintains conductivity for shaft currents and drives rotor

D-Groove and grease band – provide protection against lubrication loss for both grease and oil-lubricated applications

SMART MGS TECHNICAL DATA

Premium shaft grounding and permanent bearing protection for severe-duty VFD-driven motors and coupled equipment.

Standard Material: Bearing Bronze

Movement: Axial- 0.13 mm [0.005 in.] | Radial- 0.38 mm [0.015 in.]

Temperature (Elastomers): Grease Band: PTFE- 260°C [500°F] VBX O-Ring: FKM- -26°C [-15°F] – 204°C [400°F]
Conductive O-Ring: Conductive Silicone- -65°C [-85°F] – 232°C [450°F]

Pressure: 0 psi [bar]

Speed: 10,000 SFPM

Shaft Size: 15.88 mm [0.625 in.] – 1220 mm [48 in.]
Consult engineering for shaft sizes above 152.4 mm [6 in.]

Standard Press Fit: 0.10 mm [0.004 in.] diametric

Standard Overall Lengths: 19.78 mm [0.775 in.],
22.86 mm [0.900 in.]

* Consult Inpro/Seal engineering for operating conditions outside limits shown above



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