

ORION READY-MOUNT SPLIT PILLOW BLOCK SEAL

BPD-PB Bearing Protection Device

Standard OEM seal rings used in split pillow block assemblies can be exposed to harsh environments and often suffer premature bearing failure due to external contamination and/or loss of lubrication.

For optimum performance, Orion Engineered Seals offers our Patent-Pending BPD-PB Pillow Block Bearing Protection Device for split pillow blocks.

★ PROVEN BENEFITS

- > Maximum contaminant protection
- > Preserves optimum bearing lubrication
- > Compact design
- > Maintenance free
- > Longer seal life – Non-contact design eliminates wear
- > Interchangeable, drop-in solution with no housing modifications required
- > Extensive dimensional database

★ OPERATING CONDITIONS

- | | |
|----------------------------|-----------------------|
| > Dust and water exposure | > Low and high speeds |
| > Low and high temperature | > Shaft movement |

★ APPLICATIONS

> Mining
machinery

> Conveyors

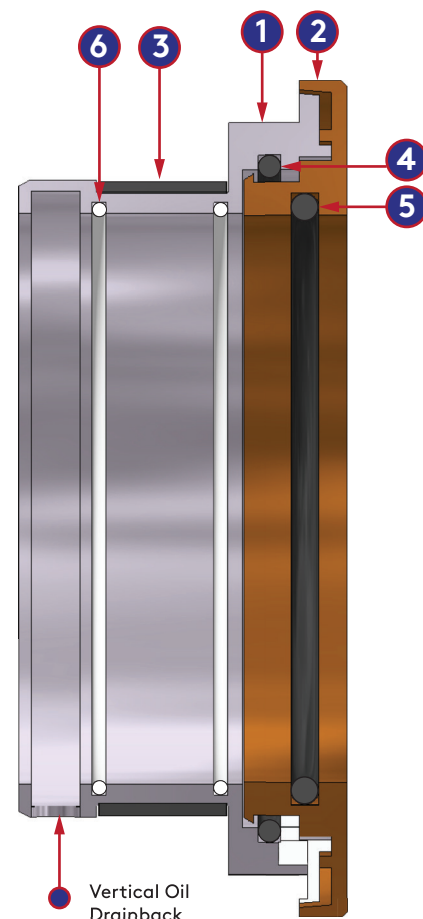
> Steel
machinery

> Paper
machinery

> Construction
machinery

★ DESIGN FEATURES

- > Non-contact stator and rotor bearing protection device design with bronze rotor and aluminum stator
- > Internal design features a labyrinth with two collection chambers, excluding higher volumes of contaminant
- > Enhanced drainage slot to assist in expelling contaminants and further reducing risk of ingress
- > Rotor design includes Viton® drive o-rings for seal alignment
- > Stator design includes a Viton® pillow block sealing sleeve and two Teflon® shaft alignment cords
- > Oil vertical drainback offers enhanced return flow inside the assembly and higher volume capacity with no leakage
- > Split design available for ease of installation



★ MATERIAL SPECIFICATIONS

1. Stator > Aluminum 2. Rotor > Bronze 3. Pillow Block Sealing Sleeve > Viton
4. Unitizing O-ring > Viton 5. Drive O-ring > Viton 6. Alignment Cord > Teflon

*Other materials available upon request.

★ APPLICATION CHARACTERISTICS

CHARACTERISTICS	PERFORMANCE
Grease lubrication	Excellent
Oil lubrication	Excellent
Low or High Speed	Excellent
Friction torque	Equal to bearing rating
	PROTECTION
Dust	Excellent
Large Particles	Excellent
Water	Excellent
High or Low Temperature	Excellent

- > To find out more about advanced, maximum protection for your split pillow block bearings, contact us at **513.765.8100** or visit **www.orionseals.com**.