KaydonRing&Seal Bushing Oil Seals [K-BOS] for hydrocarbon processing equipment

Kaydon Ring & Seal has perfected the classic bushing oil seal assembly with several key advantages. The bore geometry for the [K**-BOS**] inboard babbitted bushing ring allows each unit to operate with minimal oil leakage to process, while maintaining a generous clearance to the shaft. Spiral grooves in the shaft seal rings, coupled with shaft rotation, provide a relative offset to the seal oil differential pressure. The result is a non-contacting oil buffered seal that leaks approximately 1.5 gal/day per inch in seal diameter at full operating speed. A straight bore section minimizes leakage rates during shutdown periods.

Each bushing oil shaft seal is provided as a pre-tested

seal cartridge, ready to be installed in minutes. Prior to shipment, each seal is tested at full pressure and speed to verify performance. Test results are provided with each seal. Customers are welcome to witness testing.

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KaydonRing&Seal Bushing Oil Seals [K-BOS]

Corrosion protection

Kaydon Ring & Seal's goldplated inboard bushing ring is designed for hydrocarbon processing applications involving corrosive process gases, featuring critical seal clearances that resist corrosion. The natural softness of gold provides similar abradable properties to babbitt should contact with the shaft occur. Goldplated bushing oil seals are ideal for hydrogen recycle centrifugal compressors and oil refinery wet gas applications where H_2S concentrations may be 10% or greater, or where chlorides may form after rotor wash. Kaydon Ring & Seal's oil seal application group has the experience and expertise to help with new seal designs, upgrades, retrofits, and troubleshooting of Kaydon Ring & Seal and other brand seals, and control systems.

Contact us today at sales@krs.us or learn more at www.krs.us



Typical applications up to:

Pressure 3,500 psig (240 barg)

Speed 500 ft/sec (152 m/sec)

Temperature 350° F (175° C)

Size 14 inches (355 mm)









Kaydon Ring & Seal 20 Industrial Drive Hanover, PA 17331 USA

sales@krs.us www.krs.us