

# Kaydon Ring & Seal Bushings Oil Seals [K•BOS] for hydrocarbon processing equipment

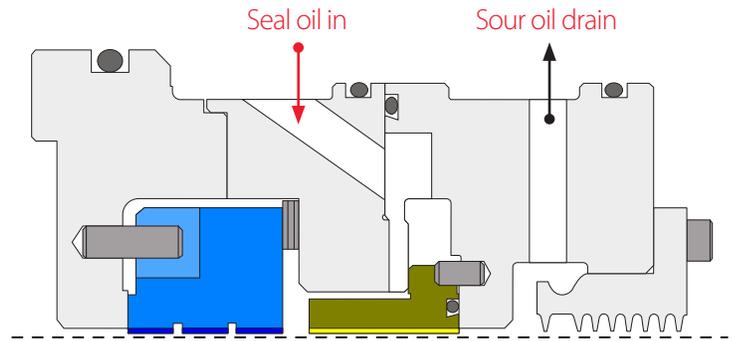
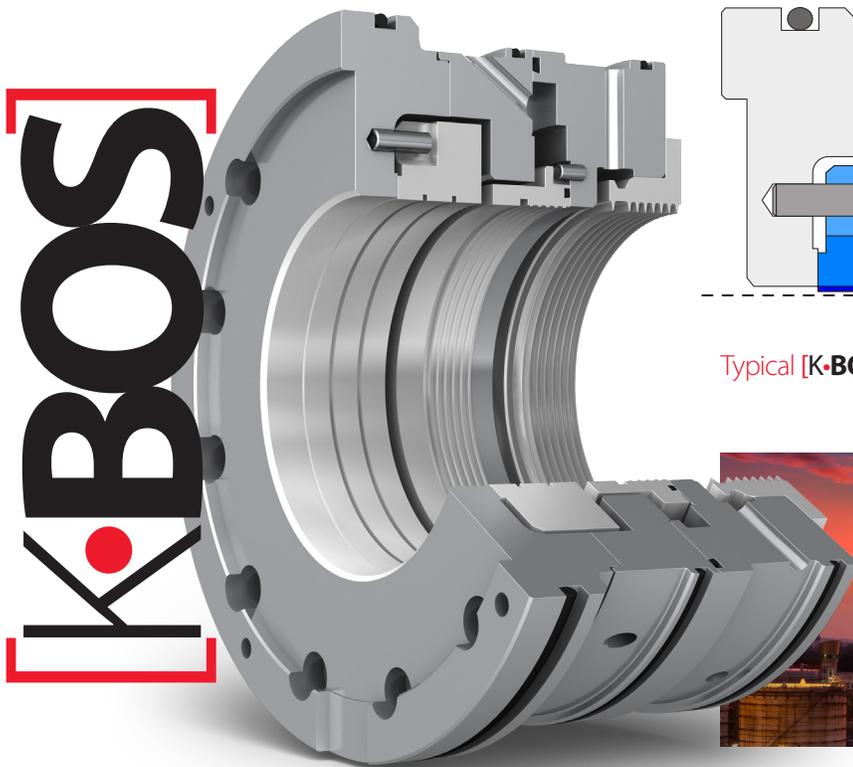
Kaydon Ring & Seal has perfected the classic bushing oil seal assembly with several key advantages. The bore geometry for the [K•BOS] inboard babbitted bushing ring allows each unit to operate with minimal oil leakage to process, while

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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Typical [K•BOS] cross-section



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# Kaydon Ring & Seal Bushing Oil Seals [K•BOS]

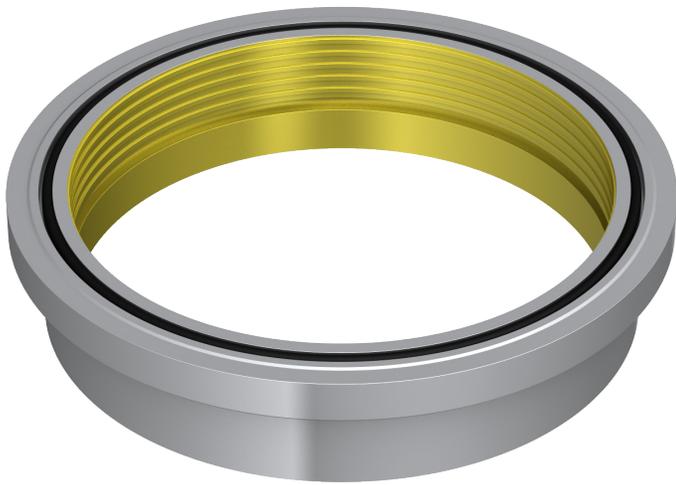
## Corrosion protection

Kaydon's gold-plated 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 abrasion properties to babbitt should contact with the shaft occur. Gold-plated bushing oil seals are

ideal for hydrogen recycle centrifugal compressors and oil refinery wet gas applications where H<sub>2</sub>S concentrations may be 10% or greater, or where chlorides may form after rotor wash.

*Kaydon's oil seal application group has the experience and expertise to help with new seal designs, upgrades, retrofits, and troubleshooting of Kaydon and other brand seals, and control systems.*



*The Kaydon Seal Repair Center provides refurbishment and replacement seals of all makes and models.*

*Contact us today at  
kbos@kaydon.com  
or learn more at  
KaydonRingandSeal.com*

## 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)



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**Kaydon Ring & Seal, Inc.**  
1600 Wicomico Street  
Baltimore, MD 21230 USA  
410.547.7700 tel  
231.759.1638 fax  
kbos@kaydon.com  
KaydonRingandSeal.com



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