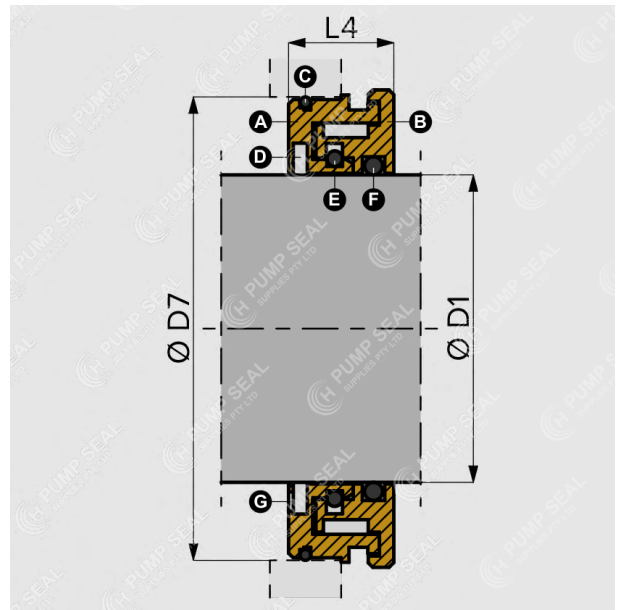


HBI-G

'BEARING ISOLATOR / LABYRINTH OIL SEALS'
SPECIFICATION SHEET

- **Bearing Isolator / Protector**
- **Compound Labyrinth Oil Seal**
- **Suits Goulds Industrial Pumps**

HBI is a bearing isolator used to keep pollutants out of the bearing housing, whilst also preventing leakage of lubricants. Unlike traditional oil or lip seals, it utilises a two-part "labyrinth-like" design that is non-contacting, and therefore non-wearing on the shaft.

A unitising o-ring keeps the stationary and rotary from separating during operation. The D-Groove captures oil on the shaft and is expelled through the return port.

► **Operating conditions**

Axial Movement: 0.13mm
 Radial Movement: 0.38mm
 Temperature: -36°C to +204°C
 Pressure: 0 bar
 Speed: < 60m/s, 11,800 fpm
 rpm < 10,000

► **Materials:**

Rotary Face: Bearing Bronze
 Stationary Face: Bearing Bronze
 Elastomers: Viton (FKM)

PARTS

- A** Stationary Ring
- B** Rotary Ring
- C** O-ring
- D** D-Groove
- E** Unitising O-ring
- F** O-ring
- G** Return Port

EQUIVALENT

InproSeal: VBXX-D

PART NO.S

D1 = Shaft Size D7 = Stationary Housing L4 = Seal Width

► **Goulds 3196 - ANSI (B73.1)**

GROUP	SIDE	PART NO.
ST	Motor	HBI/0222/0317
	Pump	HBI/0349/0720
MT	Motor	HBI/0285/0508
	Pump	HBI/0444/0730
LT	Motor	HBI/0476/0698
	Pump	HBI/0539/0730
XLT	Motor	HBI/0603/0825
	Pump	HBI/0635/0825

► **Goulds 3175**

GROUP	SIDE	PART NO.
S	Motor	HBI/0603/0825
	Pump	HBI/0635/0825
M	Motor	HBI/0793/1047
	Pump	HBI/0841/1047
L	Motor	HBI/1047/1333
	Pump	HBI/1095/1397
XL	Motor	HBI/1095/1397
	Pump	HBI/1270/1587

► **Goulds 3180, 3181, 3185, 3186**

GROUP	SIDE	PART NO.
S	Motor	HBI/0480/0700
	Pump	HBI/0550/0800
M	Motor	HBI/0480/0700
	Pump	HBI/0600/0850
L	Motor	HBI/0700/0950
	Pump	HBI/0700/0950
XL	Motor	HBI/0850/1100
	Pump	HBI/0850/1100

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