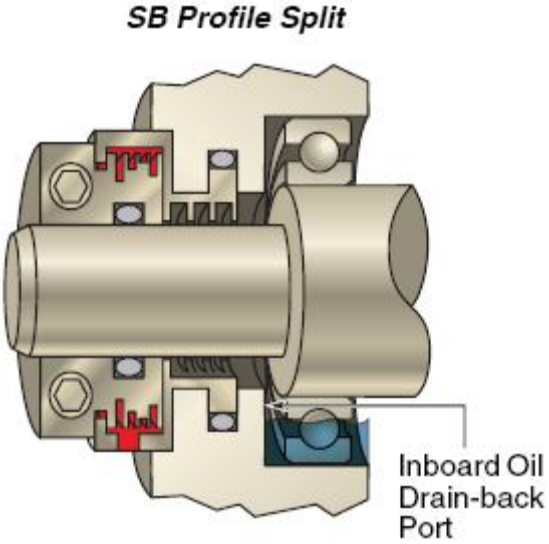
SB PROFILE – SPLIT PILLOW BLOCK DESIGN



Retain: Grease and oil splash (operating oil level in cavity between seal and bearing must be below inboard oil drain-back port of seal)

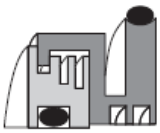
Exclude: Heavy water spray and dry contaminants from bearing cavity. Excellent for taconite exclusion

Equipment: Drop-in replacement for LER seal. Available as a solid or split seal.

Technical Data
Total Eccentricity: 0.020" (0.51mm)
Shaft Speed: Up to 5,000 fpm (25m/s)
Pressure: 0 psi/bar
Temperature Range: -40 to 250°F(-40 to 121°C)
Axial Movement: 0.020" (0.51mm) Special designs up to 0.070" (1.78mm)
Shaft/Bore: Tolerances: ±.002"(±.05mm) Special designs available

Seal Material Standard: Proprietary PTFE Optional: Food grade, Antimicrobial, FDA3A

O-Ring Material Standard: FKM Optional: NBR, FDA silicone, EPDM, Aflas®

Series	Features	Applications
LB 	**Pillow Block** — Solid seal design for sealing split pillow block bearings. PTFE material. Excludes heavy water spray and dry contaminants from the bearing cavity. Retains grease and oil splash (oil level must be below inboard oil drain-back or non-flooded).	Drop in replacement for LER ring for split pillow block bearings. Easily interchanged by LER number and shaft diameter.

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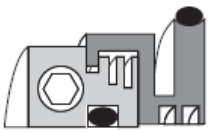
SB 	**Pillow Block** — Split seal design for sealing split pillow block bearings. PTFE material. Excludes heavy water spray and dry contaminants from the bearing cavity. Retains grease and oil splash (oil level must be below inboard oil drain-back or non-flooded).	Drop in replacement for LER ring for split pillow block bearings. Easily interchanged by LER number and shaft diameter.

Series	Maximum Shaft Dynamic Runout (TIR)	Maximum Axial Movement	Maximum Shaft to Bore Misalignment (STBM)	Maximum Pressure	Maximum Shaft Surface Speed
LB	0.020" (0.51 mm)	0.020" (0.51 mm) *Special Designs Available*	± 0.020" (± 0.51 mm) *Special Designs Available*	0	Up to 5,000 fpm (25 m/s)