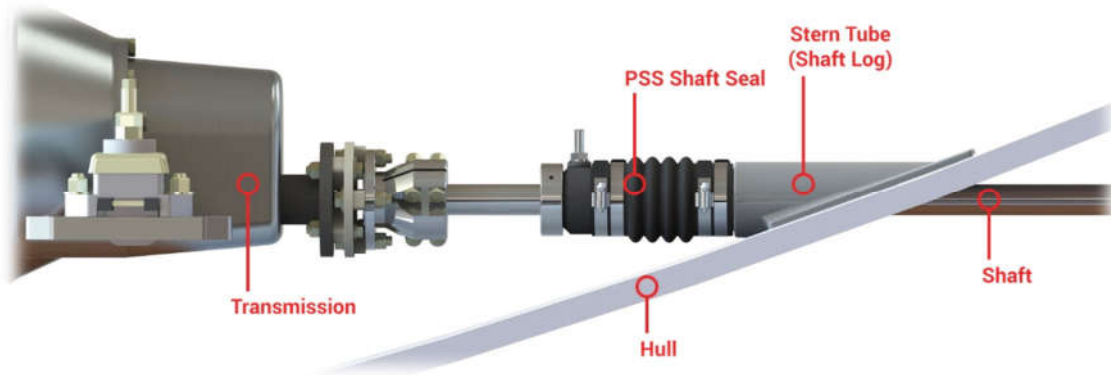


## Mechanical Face Seal



Many of the world's top boat builders and boatyards install the PSS Shaft Seal, the world's best-selling marine mechanical seal. The PSS Shaft Seal is the top retrofit (aftermarket) seal worldwide. The PSS avoids the maintenance, continuous adjustment, and cost of traditional packing glands, which boatbuilders and yards value. The PSS Shaft Seal also prevents water in the bilge (100% waterproof) and propeller shaft deterioration. PSS Shaft Seals for shafts from 3/4" to 6-1/2" (20mm to 150mm) can be adapted to any vessel.



Mechanical face seal PSS Shaft Seal. The flat surfaces of the revolving stainless-steel rotor and stationary carbon flange provide the sealing surface. Hose clamps secure the stationary carbon flange to the front of the bellows, and the rear end goes over the stern tube. Before the carbon flange, the shaft has a stainless-steel rotor. The stainless-steel rotor compresses the bellows before being set screwed to the shaft. This compression (pre-load) keeps the two flat faces of the stainless-steel rotor and carbon flange in contact, allowing the PSS to adjust for propeller thrust-induced fore and aft movement. The carbon flange is over-bored to the shaft diameter to float around the shaft and compensate for most misalignment and vibration issues. Two O-rings in the collar bore seal the stainless-steel rotor to the shaft. The shaft and stainless-steel rotor revolve these O-rings without wear.

- ABS, RINA and BV class certifications.
- Minimal scheduled maintenance
- Easy to Install.