



PSS SHAFT SEALS



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The PSS Shaft Seal uses the highest quality materials and manufacturing procedures to give a drip free performance with zero wear to the propeller shaft and the capability of operating safely up to 500° F.

They require no lubrication other than the water they are working in.

A fitting is provided on the carbon flange to accept a feed from the engine's water exhaust to assist cooling.

Features:

- Dripless operation
- Maintenance free
- Eliminates shaft wear
- No mess or corrosion
- 3 year guarantee
- ABS approved
- Over 100,000 in successful operation
- Suitable for leisure & commercial craft
- Unaffected by engine movement or vibration
- Metric & imperial sizes for shafts from 20mm - 3/4" to 100mm - 4"
- The carbon/graphite flanges & rotor should never need replacing under normal operating conditions

Shaft Diameter	Standard Stern Tube Diameters	Compressed Length	With water fitting as standard
3/4", 7/8" 20mm, 22mm	1 1/4", 1 1/2", 1 3/4", 2" 2 1/4"	6 1/4"	£163
1", 1 1/8" 25mm, 28mm, 30mm	1 1/4", 1 1/2", 1 3/4", 2" 2 1/4"	6 1/4"	£169
1 1/4", 1 3/8" 32mm, 35mm	1 3/4", 2", 2 1/4" 2 1/2"	6 1/2"	£195
1 1/2" 40mm	2", 2 1/4", 2 1/2", 2 3/4" 3", 3 1/4", 3 1/2"	8 1/2"	£257
1 3/4" 45mm	2 1/4", 2 1/2", 2 3/4" 3", 3 1/4", 3 1/2"	8 1/2"	£283
2" 50mm, 55mm	2 1/4", 2 1/2", 2 3/4" 3", 3 1/4", 3 1/2"	8 1/2"	£339
2 1/4", 2 1/2" 60mm, 65mm	3 1/4", 3 1/2", 3 3/4", 4"	8 3/4"	£378
2 3/4" 70mm	4", 4 1/4", 4 3/4", 5"	9 1/2"	£482
3" 75mm, 80mm	4", 4 1/4", 4 1/2", 4 3/4", 5"	9 1/2"	£547



Technical Specifications:

High Density Carbon Graphite Flange

Once installed and operational the carbon/graphite face will polish the stainless steel rotor during the initial first few minutes of operation ensuring a perfect fit thus eliminating any drips or spray.

The ultra dense carbon/graphite composite has a maximum operating temperature of 500°F, guarding against failure by over heating as can occur on rubber and plastic based seals.

Stainless Steel Rotor

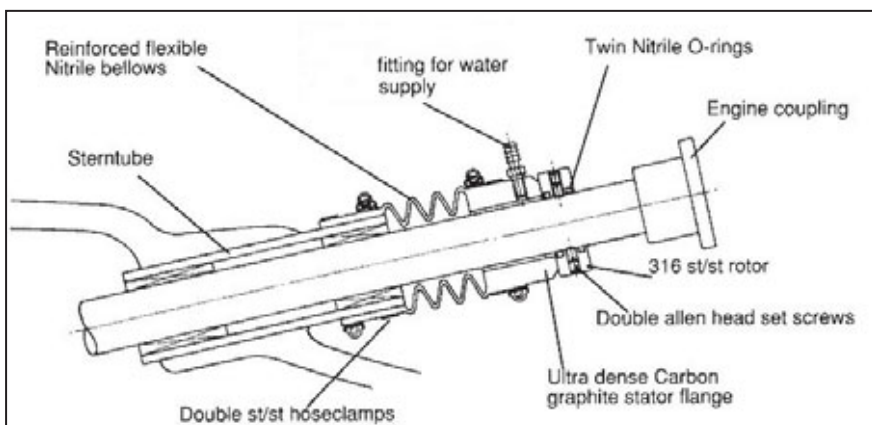
The one-piece, 316 grade stainless steel rotor is secured to the propeller shaft with double set screws.

The twin nitrile 'O' rings are stationary and do not wear.

Reinforced Bellows

The heavy reinforced nitrile bellows are resistant to petroleum based products and retain their preset dimensions.

They provide the best combination of durability, strength and elasticity.



The Principle

The seal is created by contact of the carbon face against the rotating stainless steel rotor. A hydrodynamic bead of water between the carbon seal and rotor provides lubrication. The carbon seal and rotor provides lubrication. The carbon seal and bellows assembly is fitted to the stern tube by twin stainless hose clamps. Contact with the rotor is assisted by water pressure which helps to cool the assembly. Seal contact is unaffected by engine laterally or fore and aft.