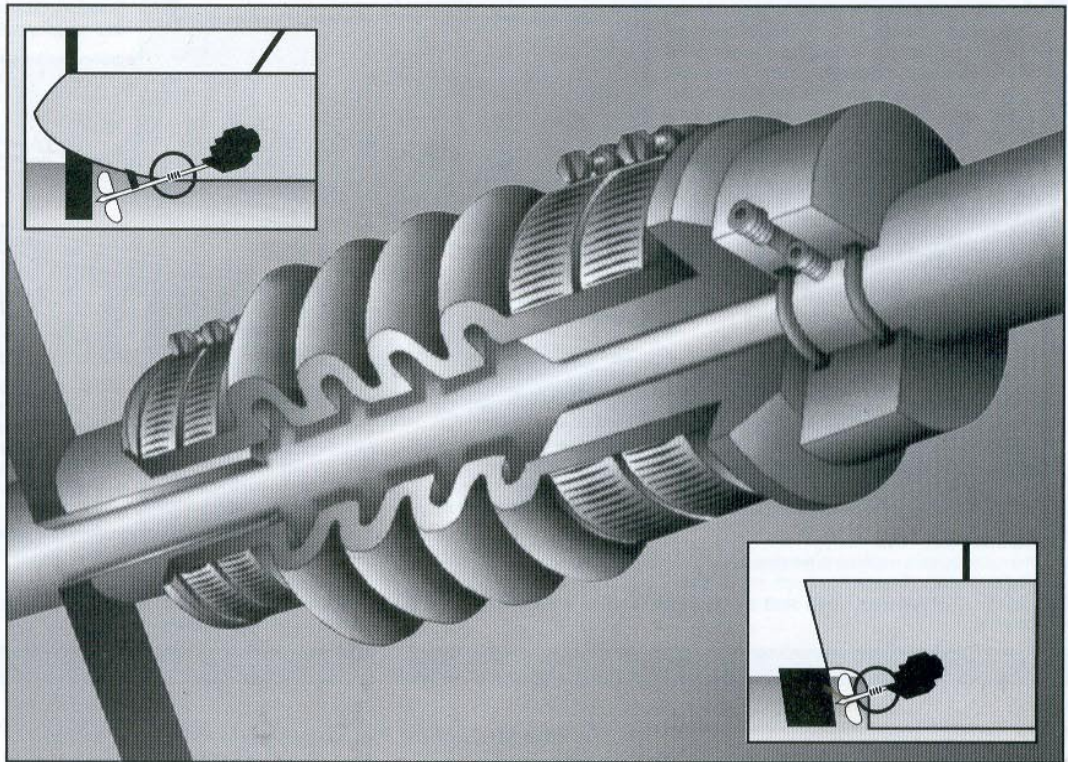


# **PACKLESS SHAFT SEAL SYSTEM**

- **DRIPLESS OPERATION:**  
*Eliminates Needless Bilge Pumping*
- **MAINTENANCE-FREE:**  
*No More Packing and Repacking*
- **REDUCED COSTS:**  
*Eliminates Shaft Wear and  
Minimizes Corrosion*



- **3 YEAR GUARANTEE**
- **A.B.S. APPROVED**
- **MADE IN THE U.S.A.**
- **SOLD IN 14 COUNTRIES  
WORLDWIDE**



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## How Does The PSS Mechanical Shaft Seal Work?

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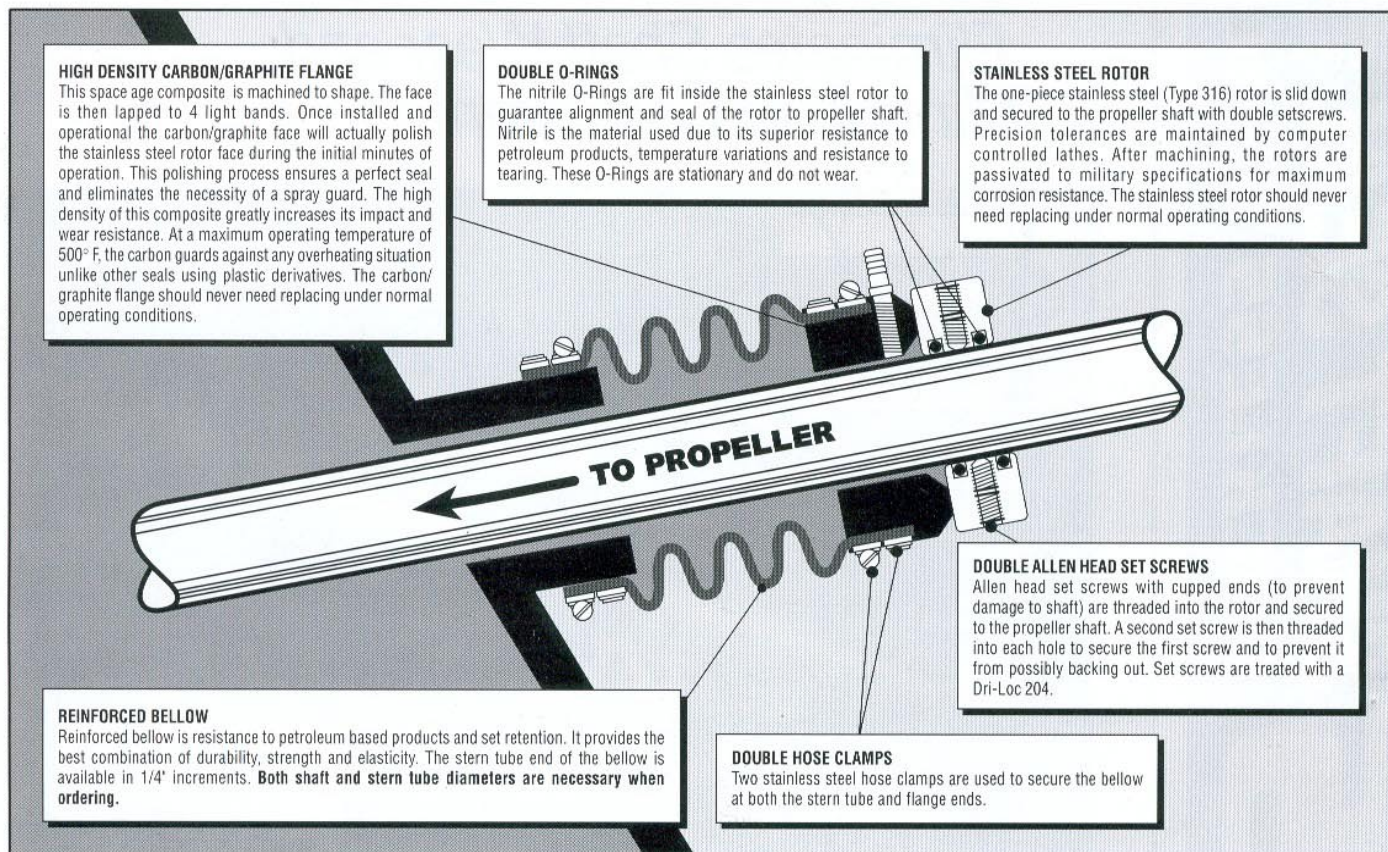
## What Makes The PSS Shaft Seal Different & Why Is It Recognized As The Best On The Market?

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A mechanical seal is created by the contact of a turning surface against a stationary surface. In the case of the PSS Shaft Seal, the stationary surface is a carbon flange held in contact against a stainless steel rotor which turns with the shaft. The carbon flange is attached to the boat by a nitrile bellow which, with the help of water pressure, produces a constant contact between the carbon and the stainless steel ring. These type of seals are unaffected by engine motion or vibrations. The result is a 100% watertight and totally maintenance-free seal.

### Warning!

All mechanical seals look very similar. There is, however, a big difference in materials used in the components and subsequently in the way the seals will perform. Reference drawing.



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## What do people using the PSS System have to say?

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*"We have installed the PSS System as standard equipment since 1987. Our Bristol Bay gill netters operate in the most extreme conditions. The system really works and has substantially reduced our owners' maintenance costs and downtime."*

*—Keith Whittemore, Vice President, Kvichak Marine, Manufacturer of Aluminum Fishing & Work Boats*

*"The quality of this product is outstanding; and we intend to use them on all of our yachts in the future."*

*—Walter J. Nencka, Materials Manager, Aiden Yachts*

*"We have installed other seals with marginal results. The PSS Shaft Seal is the only seal we can recommend in good conscience."*

*— American Marine Contractors, Full-Service Boat Yard*

*"We installed a pair of PSS seals at a regular overhaul in 1988 and have logged a total of 13,140 hours on the main engines and seals."*

*—Reginald A. White, V.P., Operations, Paradise Cruise, Ltd.*

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# PSS (Packless Sealing System) Shaft Seal

Shaft Diameters	Stern Tube Diameters (specify one)	Standard Speed (NO HOSE BARB) Under 12 Knots	High Speed (HOSE BARB) Over 12 Knots	Compressed Length	
	O.S. (OVER SIZED) Requires larger bellow and carbon cuff reducer.			Standard Speed	High Speed
3/4", 7/8" 20mm, 22mm	1 1/4", 1 1/2", 1 3/4", 2", 2 1/4" O.S. (2 1/2")	\$180.00 (\$200.00)	\$ 205.00 (\$225.00)	5 1/2" (6")	6 1/4" (6 3/4")
1", 1 1/8" 25mm, 28mm, 30mm	1 1/4", 1 1/2", 1 3/4", 2", 2 1/4" O.S. (2 1/2")	\$190.00 (\$215.00)	\$215.00 (\$240.00)	5 1/2" (6")	6 1/4" (6 3/4")
1 1/4", 1 3/8" 32mm, 35mm	1 3/4", 2", 2 1/4", 2 1/2" O.S. (2 3/4", 3", 3 1/4", 3 1/2")	\$230.00 (\$255.00)	\$250.00 (\$275.00)	5 3/4" (7")	6 1/2" (7 3/4")
1 1/2" 38mm, 40mm	2", 2 1/4", 2 1/2", 2 3/4", 3", 3 1/4", 3 1/2" O.S. (3 3/4", 4")	\$295.00 (\$360.00)	\$325.00 (\$390.00)	7 3/8" (7 3/4")	8 1/8" (8 1/4")
1 3/4" 45mm	2 1/4", 2 1/2", 2 3/4", 3", 3 1/4", 3 1/2" O.S. (3 3/4", 4")	\$325.00 (\$390.00)	\$360.00 (\$430.00)	7 3/8" (7 3/4")	8 1/8" (8 1/4")
2" 50mm, 55mm	2 1/2", 2 3/4", 3", 3 1/4", 3 1/2" O.S. (3 3/4", 4")	\$390.00 (\$455.00)	\$430.00 (\$490.00)	7 3/8" (7 3/4")	8 1/8" (8 1/4")
2 1/4", 2 1/2" 60mm, 65mm	3 1/4", 3 1/2", 3 3/4", 4" O.S. (4 1/4", 4 1/2", 4 3/4", 5")	N/A N/A	\$485.00 (\$555.00)	N/A N/A	8 1/2" (9 1/8")
2 3/4" 70mm	4", 4 1/4", 4 1/2", 4 3/4", 5" O.S. (5 1/4", 5 1/2", 5 3/4", 6")	N/A N/A	\$610.00 (\$795.00)	N/A N/A	9 1/4" (9 5/8")
3" 75mm, 80mm	4", 4 1/4", 4 1/2", 4 3/4", 5" O.S. (5 1/4", 5 1/2", 5 3/4", 6")	N/A N/A	\$700.00 (\$890.00)	N/A N/A	9 1/4" (9 5/8")
3 1/4", 3 1/2", 85mm, 90mm	4 1/2", 4 3/4", 5", 5 1/4" 5 1/2", 5 3/4", 6"	N/A	\$1,260.00	N/A	9 3/4"
3 5/8", 3 3/4" 95mm	4 1/2", 4 3/4", 5", 5 1/4" 5 1/2", 5 3/4", 6"	N/A	\$ 1,400.00	N/A	9 3/4"

High Speed Installation T-adaptor kits are available for 3/4", 1" and 1 1/4" i.d. cooling hose: \$35.00

**When Ordering Please Supply Shaft and Stern Tube Diameters**