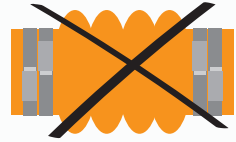


PRESSURE HOUSING

NO bellows style hose to replace

The Lasdrop **pressure housing** eliminates the need for a bellows hose. Bellows fatigue over time and require periodic replacement.



NO O-Rings to replace

The Lasdrop **pressure housing** contains two U-cup shaped nitrile rod seals that flex with shaft movement. This greatly extends service life over mechanical face seals utilizing traditional O-Rings.

NO Set Screws

The Lasdrop **pressure housing** is a unique nylon impregnated housing unit that clamps evenly around the propeller shaft. Using 316 stainless steel hex bolts, the pressure housing eliminates the need for damaging and one-time use set screws.

GEN 2 size ranges

1" to 5"

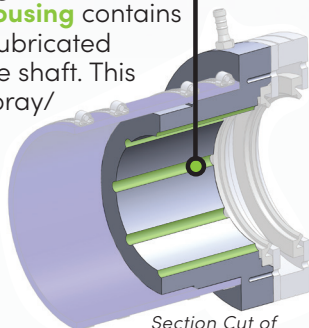
25mm-130mm



FRICITION HOUSING

Integrated Bearing

The Lasdrop **friction housing** contains a self-aligning water lubricated bearing that follows the shaft. This eliminates the water spray/slinging often experienced with seals that have a fatigued bellows hose and/or misaligned shaft.



Section Cut of Lasdrop Integrated Bearing on a Gen2 Shaft Seal

Dual Water Injection Ports

For twin engine vessels, two injector ports provide redundancy in cooling operations to the shaft seal. For single engine applications a plug is included in every seal kit.

HOW IT WORKS

1) Water fed into the water lubricated bearing through injector ports.

2) The compressed pressure housing (which is secured to the shaft) with integrated stainless rotor spins against the carbon graphite friction ring.

3) THE SEAL: A thin film of hydroplaning water forms between the compressed stainless rotor and carbon graphite friction ring during rotation, creating the dripless Mechanical Face Seal. When shaft rotation slows or stops, hydroplaning stops and the compression maintains its dripless design.

