

TIDESMARINE Series One Shaft Seal



The seriesOne™ shaft seal was designed for smaller, single-engine vessels with stainless steel propeller shafts. This shaft seal fits shaft diameters from 7/8" through 1 1/4" in 1/8" increments. It can also be used on metric stainless shafting from 25mm through 30mm. **The seriesOne™ shaft seal is covered by a one year warranty.**

Tides Marine suggests that all twin-engine applications use the Tides SureSeal™.

Housing

The seriesOne™ housing is produced in the same manner as the SureSeal™ shaft seals. However, in order to produce a shaft seal for our more cost-conscious customers, the front cap design of the seriesOne™ has been modified.

As a result, the lip seal in the seriesOne™ is NOT replaceable.

When the lip seal in the seriesOne™ is worn to the point of leaking, the entire shaft seal must be replaced.

Bearing

The seriesOne™ bearing is machined from PTFE® to precise tolerances.

Hose

The seriesOne™ shaft seal is available with two hose options. For vessels like ski boats with shorter shafts (approximately 3' in length), higher operating RPMs (3500 RPM+) and more rigid engine mounts, a single-convolution articulating hose is recommended.

For vessels powered by smaller diesel engines (1-3 cylinders) using softer engine mounts, the multi-convolution articulating hose is recommended. This extra flexibility compensates for increased lateral engine movement during operation.

Hose Clamps

Four 316 SS clamps are provided with each seriesOne™ shaft seal.

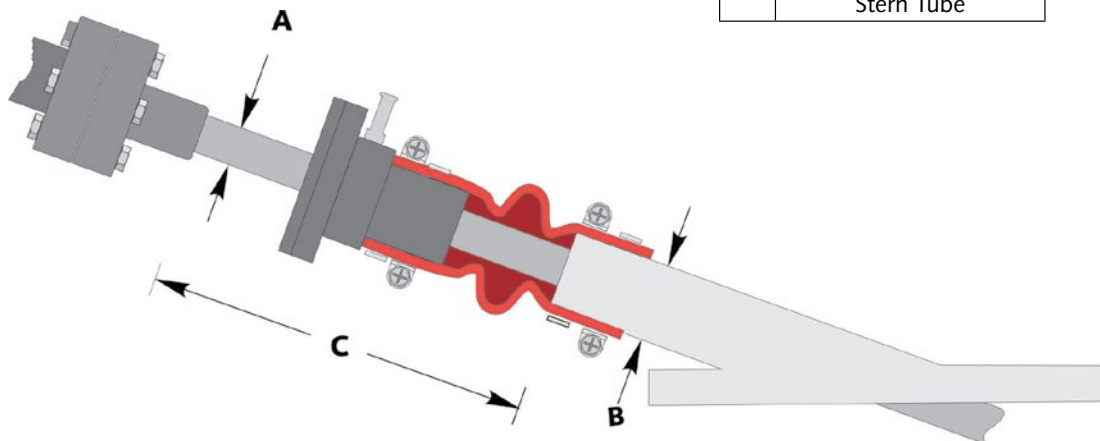


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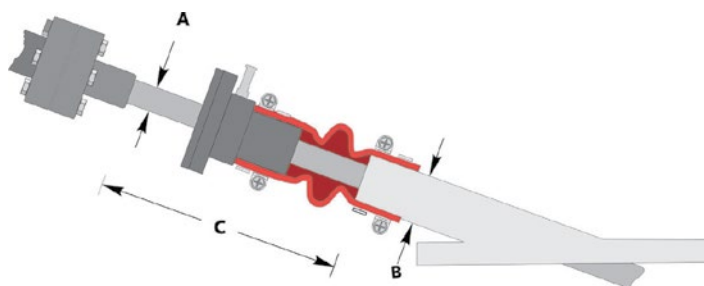
seriesOne™ shaft seals come complete with application-specific articulating hose and clamps. To determine which seriesOne™ to order, simply measure your propeller shaft OD and find the corresponding shaft size in Column A of the table on pages 27 or 28. Next, measure the OD of your stern tube and find the corresponding size in Column B of the table on pages 27 or 28. Match these two measurements with the corresponding part number in the same table.

Next, note the minimum distance number associated with your part number in Column C of the table. Confirm there is at least this much clean, smooth propeller shaft between the coupling and the stern tube.

A	Shaft Diameter
B	Stern Tube Diameter
C	Minimum Distance to Stern Tube



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Note: The following sizes are currently available. Call Tides if the size you need is not listed.

Single-Convolution Hose Specifications (dimensions in inches)

Shaft Size A	Stern Tube OD B	Minimum Distance C	seriesOne™ Part Number with Single Convolution Hose
7/8	1 3/4	7	ONE-0875-1750-S
	2		ONE-0875-2000-S
	2 1/4		ONE-0875-2250-S
	2 1/2		ONE-0875-2500-S
	2 3/4		ONE-0875-2750-S
	3		ONE-0875-3000-S
1	1 3/4	7	ONE-1000-1750-S
	2		ONE-1000-2000-S
	2 1/4		ONE-1000-2250-S
	2 1/2		ONE-1000-2500-S
	2 3/4		ONE-1000-2750-S
	3		ONE-1000-3000-S
1 1/8	1 3/4	7	ONE-1125-1750-S
	2		ONE-1125-2000-S
	2 1/4		ONE-1125-2250-S
	2 1/2		ONE-1125-2500-S
	2 3/4		ONE-1125-2750-S
	3		ONE-1125-3000-S
1 1/4	1 3/4	7	ONE-1250-1750-S
	2		ONE-1250-2000-S
	2 1/4		ONE-1250-2250-S
	2 1/2		ONE-1250-2500-S
	2 3/4		ONE-1250-2750-S
	3		ONE-1250-3000-S

Single-Convolution Hose Specifications (dimensions in millimeters)

Shaft Size A	Stern Tube OD B	Minimum Distance C	seriesOne™ Part Number with Single Convolution Hose
25mm	45	178mm	ONE-25M-45M-S
	51		ONE-25M-51M-S
	57		ONE-25M-57M-S
	63		ONE-25M-63M-S
	70		ONE-25M-70M-S
	76		ONE-25M-76M-S
30mm	45	178mm	ONE-30M-45M-S
	51		ONE-30M-51M-S
	57		ONE-30M-57M-S
	63		ONE-30M-63M-S
	70		ONE-30M-70M-S
	76		ONE-30M-76M-S

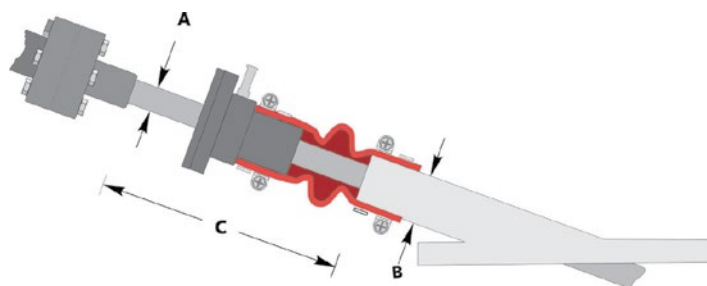


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Note: The following sizes are currently available. Call Tides if the size you need is not listed.

Multi-Convolution Hose Specifications (dimensions in inches)

Shaft Size A	Stern Tube OD B	Minimum Distance C	seriesOne™ Part Number with Multi Convolution Hose
7/8	1 3/4	7	ONE-0875-1750-M
	2		ONE-0875-2000-M
	2 1/4		ONE-0875-2250-M
	2 1/2		ONE-0875-2500-M
	2 3/4		ONE-0875-2750-M
	3		ONE-0875-3000-M
1	1 3/4	7	ONE-1000-1750-M
	2		ONE-1000-2000-M
	2 1/4		ONE-1000-2250-M
	2 1/2		ONE-1000-2500-M
	2 3/4		ONE-1000-2750-M
	3		ONE-1000-3000-M
1 1/8	1 3/4	7	ONE-1125-1750-M
	2		ONE-1125-2000-M
	2 1/4		ONE-1125-2250-M
	2 1/2		ONE-1125-2500-M
	2 3/4		ONE-1125-2750-M
	3		ONE-1125-3000-M
1 1/4	1 3/4	7	ONE-1250-1750-M
	2		ONE-1250-2000-M
	2 1/4		ONE-1250-2250-M
	2 1/2		ONE-1250-2500-M
	2 3/4		ONE-1250-2750-M
	3		ONE-1250-3000-M

Multi-Convolution Hose Specifications (dimensions in millimeters)

Shaft Size A	Stern Tube OD B	Minimum Distance C	seriesOne™ Part Number with Multi Convolution Hose
25mm	45	178mm	ONE-25M-45M-M
	51		ONE-25M-51M-M
	57		ONE-25M-57M-M
	63		ONE-25M-63M-M
	70		ONE-25M-70M-M
	76		ONE-25M-76M-M
30mm	45	178mm	ONE-30M-45M-M
	51		ONE-30M-51M-M
	57		ONE-30M-57M-M
	63		ONE-30M-63M-M
	70		ONE-30M-70M-M
	76		ONE-30M-76M-M



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