

Stone Marine Seals is a member of the Stone Marine Group of companies, which is itself part of Langham Industries.

The Stone Marine Group is among the world's leading companies in ship propeller and stern gear design, manufacture, service and repair. The Group is a truly worldwide operation with bases in the UK, Namibia and South Africa. Propeller design and manufacture is undertaken for vessels of all sizes and types. The Groups maintenance and service companies have highly trained and experienced engineers on standby, 24 hours a day, 365 days a year, to attend any vessel in need of assistance wherever it might be located.



STONE MARINE GROUP



STONE MARINE SERVICES



STONE MARINE SHIPCARE



STONE MARINE PROPULSION

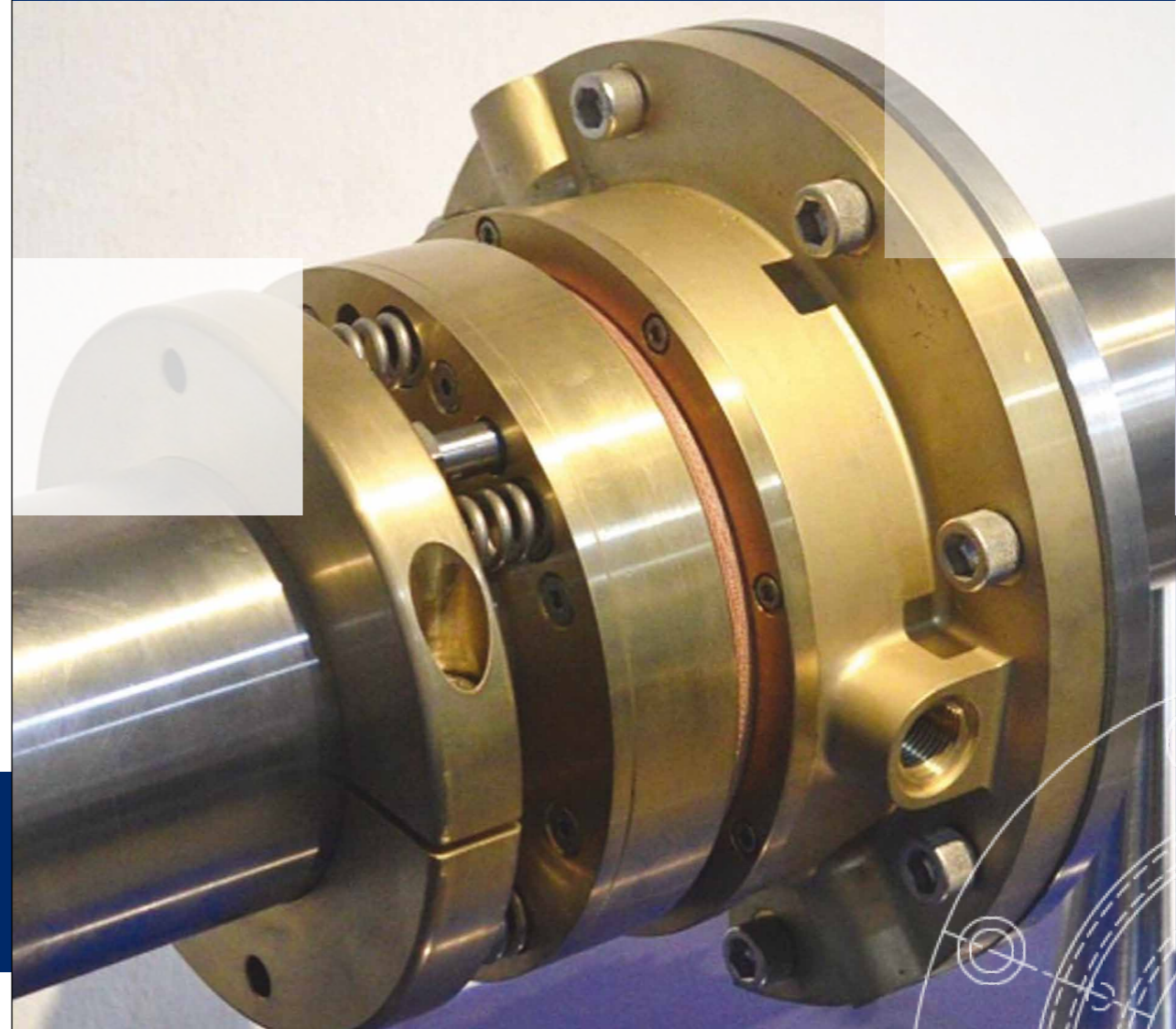


BRUNTONS PROPELLERS



STONE MARINE SEALS

# HydroSeal



More details of the Stone Marine Group companies and their activities can be found on the Group website at [www.stonemarine.co.uk](http://www.stonemarine.co.uk)



STONE MARINE SEALS LIMITED

East Ness, Preston Crescent, Inverkeithing, Fife KY11 1DS, UK  
T: +44 (0)1383 419475 • F: +44 (0)1383 415600 • 24 HR CALLOUT: +44 (0)7867 866660  
E: [sales@stonemarineseals.com](mailto:sales@stonemarineseals.com) • [www.stonemarineseals.com](http://www.stonemarineseals.com)

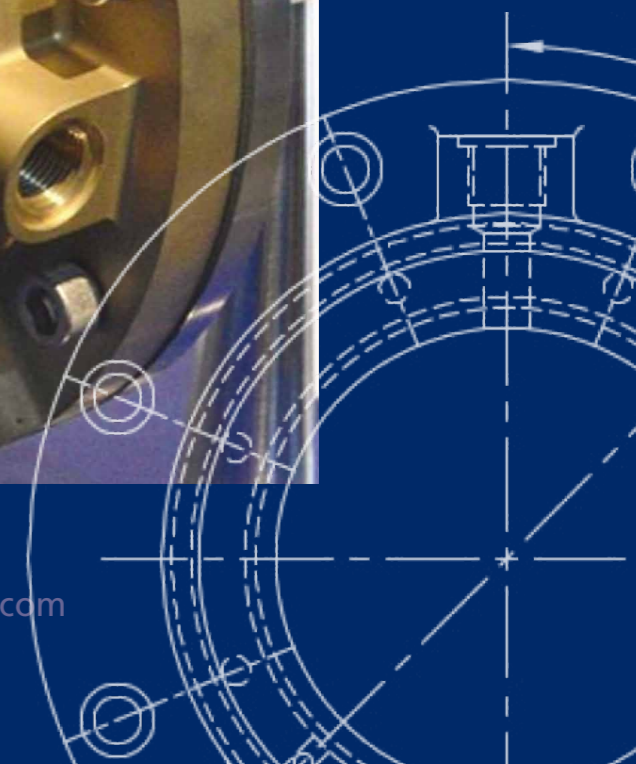


STONE MARINE GROUP

Part of the Langham Industries Group of companies

[www.stonemarine.co.uk](http://www.stonemarine.co.uk)

[www.stonemarineseals.com](http://www.stonemarineseals.com)



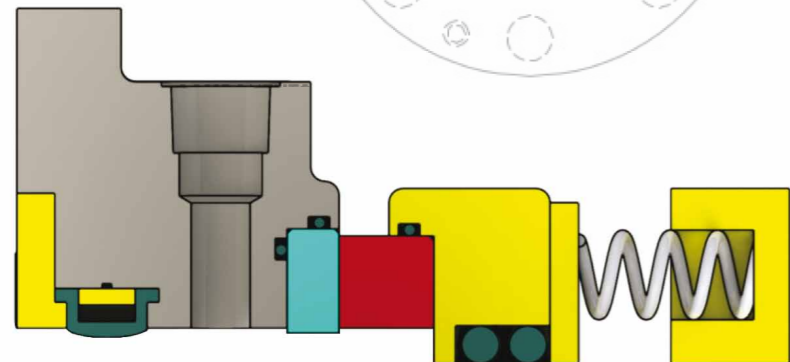
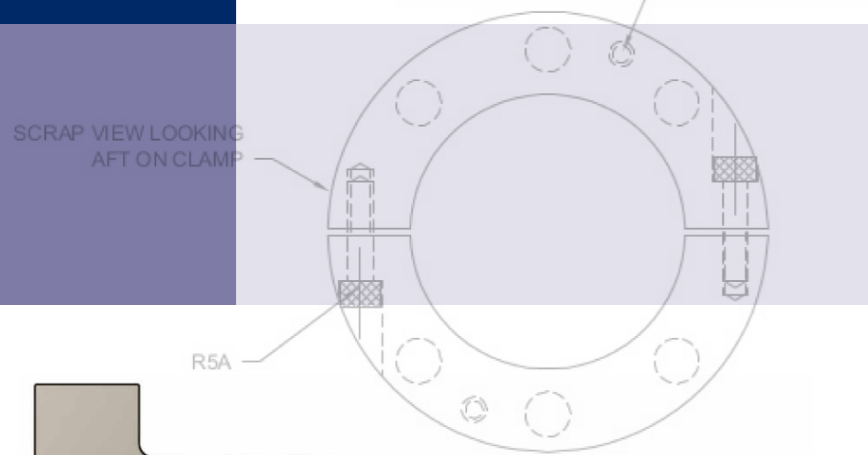
# STONE MARINE SEALS

## HydroSeal

A compact and reliable mechanical seal utilising the latest materials to ensure a long service life in the most arduous conditions.

Primarily designed for inboard sealing of open system water lubricated shafts, the HydroSeal can be also used for outboard sealing of a closed system where there is a requirement for abrasion resistance and ease of repair, for example dredge pumps.

The seal consists of static housing with integral flushing water inlet containing an inflatable seal which allows for servicing whilst afloat. The rotating part consists of a self-lubricated seal face which is split for ease of maintenance.



## Company Profile

Stone Marine Seals are specialists in the design and manufacture of marine stern tube sealing systems.

Their seals are used in many applications including fixed (FPP) and controllable pitch (CPP) main propulsion units or as part of a thruster system.

The company is based at the Group's United Kingdom facility where their own teams of Research and Development Engineers are based.

SEAL SIZE	SHAFT FROM	TO	A	B	C	D	E	F	G	H	I	J	K	L	M
80	80	163	231	195	8	M10	25	213	20	0/180	46	45/226	20		
90	100	163	241	205	8	M10	25	213	20	0/180	46	45/226	20		
100	110	163	251	215	8	M10	25	213	20	0/180	46	45/226	20		
110	120	163	261	230	8	M12	25	213	20	0/180	46	45/226	20		
120	130	163	271	240	8	M12	25	213	20	0/180	46	45/226	20		
130	140	163	281	250	8	M12	25	213	20	0/180	46	45/226	20		
140	150	163	291	260	8	M12	25	213	20	0/180	46	45/226	20		
150	160	163	301	270	8	M12	25	213	20	0/180	46	45/226	20		
160	170	163	311	280	8	M12	25	213	20	0/180	46	45/226	20		
170	180	163	321	290	8	M12	25	213	20	0/180	46	45/226	20		
180	190	163	331	300	8	M12	25	213	20	0/180	46	45/226	20		
190	200	163	341	310	8	M12	25	213	20	0/180	46	45/226	20		
200	210	163	351	320	8	M12	25	213	20	0/180	46	45/226	25		
210	220	178	371	340	8	M16	35	228	25	0/180	51	45/226	25		
220	230	178	381	350	8	M16	35	228	25	0/180	51	45/226	25		
230	240	178	391	360	8	M16	35	228	25	0/180	51	45/226	25		
240	250	178	401	370	8	M16	35	228	25	0/180	51	45/226	25		
250	260	178	411	380	8	M16	35	228	25	0/180	51	45/226	25		
260	270	178	421	390	8	M16	35	228	25	0/180	51	45/226	25		
270	280	178	431	400	8	M16	35	228	25	0/180	51	45/226	25		
280	290	178	441	410	8	M16	35	228	25	0/180	51	45/226	25		
290	300	178	451	420	8	M16	35	228	25	0/180	51	45/226	25		
300	310	178	461	430	8	M16	35	228	25	0/180	51	45/226	25		
310	320	178	471	440	8	M16	35	228	25	0/180	51	45/226	25		
320	330	178	481	450	8	M16	35	228	25	0/180	51	45/226	25		
330	340	178	491	460	8	M16	35	228	25	0/180	51	45/226	25		

**STONE MARINE SEALS LTD**  
SPECIALISTS IN MARINE SEALING TECHNOLOGY  
Earlham, Pease Crescent, Inverkeithing, Fife, KY11 1DS, UK  
Tel: 01383 418477 Fax: 01383 418600

**HydroSeal Inner - Standard**

PART DESC	MATERIAL	COMMENT
R1 HOUSING	GI METAL	
R1B CAP SCREW	A4 STAINLESS	
R1C AIR PLUG	A4 STAINLESS	
R1D WATER PLUG	SILICON CARBIDE	
R2 FACE	NITRILE	
R2A O-RING	NITRILE	
R2B O-RING	A4 STAINLESS	
R2C DRIVE PIN	NITRILE	
R2D TYRE RETAINER	GI METAL	
R16B TYRE SPACER	GI METAL	
R16C TYRE SCREW	A4 STAINLESS	
R3 INSERT HOLDER	GI METAL	
R3A O-RING	NITRILE	
R3B O-RING	NITRILE	
R3C O-RING	NITRILE	
R3D DRIVE PIN	A4 STAINLESS	
R25A INSERT	GI METAL	
R8 RETAINER	GI METAL	
R4N RETAINER SCREW	A4 STAINLESS	
R5 CLAMP	GI METAL	
R4N BUTT SCREW	A4 STAINLESS	
R8B SPRINGS	A4 STAINLESS	
R25E DRIVE PIN	A4 STAINLESS	