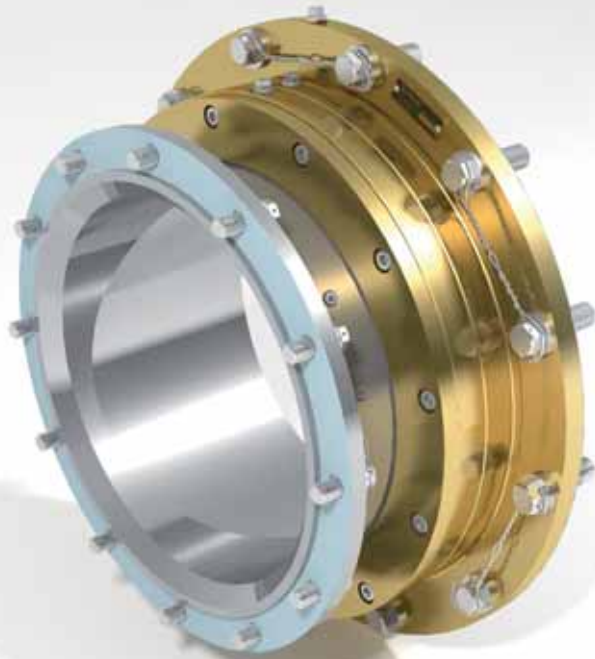


SUPREME SeaGuard® (SG)



**Extra Security
Against Leakage**

The SUPREME SeaGuard delivers extra security against oil leakage to the sea water.

SUPREME SeaGuard Aft Seal

This seal can only be supplied as an aft seal and is equipped with four lip seals. By filling the chamber between the third and fourth lip seal with oil from the L.O. tank, the pressure on both sides of the fourth lip seals is equal in this case. The fourth lip seal functions as a 'spare' lip seal. If any leakage is noticed, the oil supply to this chamber can be shut down causing the third lip seal to take over the function as oil repellent lip seal. This changes the pressure conditions, causing the fourth seal to function as a second oil repellent lip seal. Docking and maintenance can then be postponed.

SUPREME Special Design

We know every application is different. The SUPREME is designed to fit specific customer needs. At the customer's request, IHC Lagersmit designs and develops innovative tailor-made solutions. Even very special hybrid versions of LIQUIDYNE and SUPREME seals are designed. Examples of these applications are available on request.

An extensive set of options is available to meet varying customer demands. The most commonly used options are FPM lip seals and the application of a hard metal layer on the liner. This combination ensures absolute minimum wear, which minimizes maintenance. The benefit? Low cost of ownership.

Applications

SUPREME SeaGuard applications include conventional shafts, thrusters, pods, dynamic positioning systems and controllable-pitch propeller systems.

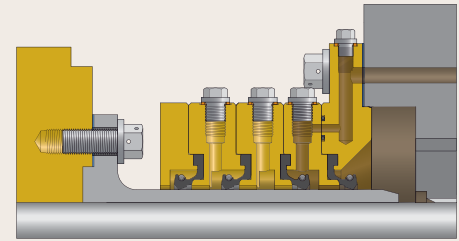
Options

- Installation commissioning
- Split housing parts
- Liner: split version
- Liner: hard metal layer
- Liner: ceramic layer
- Lip seals: FPM
- Hastelloy lip seal springs
- Dirt barrier
- Dirt barrier with protective cover
- Cathodic protection
- Distance ring
- Grease lubrication
- Oil lubrication
- Netcutter
- Wire winder

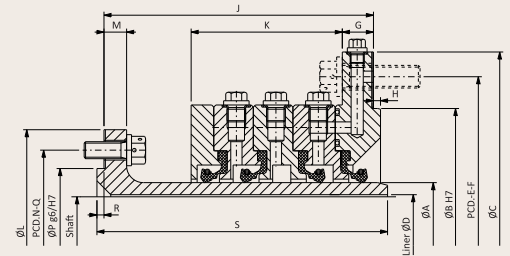
SUPREME SeaGuard (SG)

A	200	220	240	260	280	300	330	355	380	400	420	450	
D	190	208	228	248	265	285	315	339	362	381	400	428	
B	285	305	345	365	385	405	435	475	500	520	540	575	
C	350	370	425	445	465	485	515	565	590	610	630	675	
E	320	340	390	410	430	450	480	525	550	570	590	630	
F	8x	8x	12x	12x	12x	12x	12x	12x	12x	12x	12x	12x	
	M12x	M12x	M16x	M16x	M16x	M16x	M16x	M20x	M20x	M20x	M20x	M20x	
	40	40	55	55	55	55	55	60	60	60	60	65	
G	17	17	22	22	22	22	22	22	22	22	22	22	
H	5	5	5	5	5	5	5	5	5	5	5	5	
J	175	175	185	185	185	185	185	205	205	210	210	235	
K	107	107	107	107	107	107	107	115	115	115	115	115	
L	280	300	320	340	360	375	425	450	480	500	520	550	
M	13	13	13	16	16	16	16	16	16	21	21	21	
N	250	270	290	310	330	346	390	416	440	460	486	510	
Q	8x	8x	8x	8x	12x	12x	12x	12x	12x	12x	12x	12x	
	M12x	M12x	M12x	M12x	M12x	M12x	M12x	M16x	M16x	M16x	M16x	M16x	
	30	30	30	30	30	30	30	35	35	35	40	40	
P	224	240	260	284	300	320	360	384	406	424	450	476	
R	5	5	5	5	5	5	6	6	6	6	6	7	
S	190	190	195	200	200	200	200	220	220	225	225	250	
Weight (kg)	50	56	78	84	90	98	116	146	158	168	175	240	
Article no.	56269 xxx	906	907	908	909	910	911	912	913	914	915	916	917

A	480	500	530	560	600	630	670	710	750	800	850	
D	457	476	504	532	570	598	635	672	710	750	795	
B	605	625	655	700	740	770	810	865	905	960	1010	
C	705	725	755	820	860	890	930	990	1030	1090	1140	
E	660	680	710	765	805	835	875	930	970	1030	1080	
F	12x	12x	12x	12x	12x	12x	12x	16x	16x	20x	20x	
	M20x	M20x	M20x	M24x	M24x	M24x	M24x	M24x	M24x	M24x	M24x	
	65	65	65	75	75	75	75	75	75	75	75	
G	22	22	22	24	24	24	24	26	26	26	26	
H	5	5	5	5	5	5	5	5	5	5	5	
J	235	235	235	240	240	245	245	280	280	310	310	
K	115	115	115	131	131	131	131	151	151	151	151	
L	590	600	630	675	700	760	820	840	885	945	1000	
M	21	21	21	21	21	26	26	26	26	31	31	
N	550	560	590	630	660	710	750	790	836	890	950	
Q	12x	12x	12x	12x	12x	12x	12x	12x	16x	16x	16x	
	M20x	M20x	M20x	M20x	M20x	M24x	M24x	M24x	M24x	M24x	M24x	
	45	45	45	45	45	55	55	55	55	55	55	
P	510	526	550	588	620	670	710	740	780	825	870	
R	7	7	7	8	8	8	9	9	9	9	9	
S	250	250	250	262	262	268	268	310	311	348	348	
Weight (kg)	255	260	275	350	390	450	490	550	600	660	720	
Article no.	56269 xxx	918	919	920	921	922	923	924	925	926	927	928



Cross-section SUPREME SG



SUPREME SG

- A – Shaft centered liner
- C – Wear-resistant coating (ceramic or hard metal layer)
- D – Distance ring 2/2
- F – Static sealing between liner and FP propeller
- K – Dirt barrier with protective cover
- L – Dirt barrier
- N – FPM lip seals
- P – Cathodic protection (zinc blocs)
- O – Oil lubrication / condition monitoring
- G – Grease lubrication (high speed applications)

IHC Lagersmit

Smitweg 6
P.O. Box 5
2960 AA Kinderdijk, The Netherlands

T +31 78 691 04 72
F +31 78 691 04 77
sales.lagersmit@ihcmerwede.com
www.ihclagersmit.com
www.ihcmerwede.com