



Operating principles:

ERCCEM seal is a mechanical seal which

operate thanks to the friction of the rotating stainless steel ring and static carbon ring.

The nitrile bellows fixed to the stern tube with collars 316L provides compression between the steel ring and the carbon ring .

The rotating seal ERCCEM tolerate misalignment and

STANDARD ERCCEM

provides a perfect axial sealing thanks to the two O-rings mounted in the stainless steel ring and radial by pressing the carbon and stainless steel ring .

Our ERCCEM sealing are mounted on propeller shaft but also on rudders .

The standard model without inlet manufactured , used and recognized for several decades .

Availability: Any diameter of metric or imperial shaft 22 to 115mm

Application: Sailing - Fishing - Passenger boats - fast boats ...

CARBON/GRAPHITE RING

Rings are produced with Isomolded, very fine grain, high strength, high density, isotropic graphite resin impregnated for high mechanical and sealing applications.

This material may tolerate temperatures up to 200 ° Celsius. Rings are produced on CNC machines to ensure a glossy surface state on the contact face.

Depending on the application, the carbon ring may be provided with polyamide fitting to provide better lubrication in water or air vent. We use a non-metallic material to avoid electrolytic phenomena.



STAINLESS STEEL RING

316L stainless steel rings are machined on CNC machine to ensure a perfect surface condition and exacting tolerances. The rings are slipped onto the shaft and held in place by 3 setscrews cup end in stainless steel 316L.

The rings are also equipped with two O-rings in nitrile to ensure a perfect seal.

Concerning stainless steel rings for shaft above Ø55mm, they are composed of two parties to facilitate mounting.



BELLOW

ERCEM can be fitted with two different types of bellows :

- First one, simple bellows are made of an elastomer and is particularly used for recreational with shaft diameters up to 41.275mm (1" 5/8).

- Second one, reinforced bellows are made of high strength reinforced nitrile covered by Aramid more known as Kevlar®. It can be mounted on our entire range. Its advantages are increased resistance to petrochemicals products, UV, cuts, strains and also to high temperatures.

Our range of bellows is tested under high pressure in our workshops to return to our quality criteria.



WATER PICK UP KITS

Water Pick-Up Kits include everything needed to connect your ERCEM to a point in the engine's raw water cooling system: Brass Tees, hose and 316L clamps.

Reference	Référence
Water pick up kits- Tee 3/4"	ERCKIT1
Water pick up kits-- Tee 1"	ERCKIT2
Water pick up kits-- Tee 1"1/4	ERCKIT3
Water pick up kits-- Tee 1"1/2	ERCKIT4



ERCEM SEALS IN FEW WORDS

- The ERCEM is a 100% French origin
- With an experience of several decades, it is known for its reliability.
- Ecological: no lubrication using petrochemical material.
- Economic:
 - * No maintenance required
 - * No greasing
 - * No lip seals replacement
 - * No braid packing to tighten the stuffy box
 - * No shaft wear due to friction of lip seals or braid
- Tolerates misalignment and offers perfect axial sealing

They trust us:

ALLAIS - ALLURES YACHTING - ALUTECH - CATANA - COUACH - CNB - CHANTIER NAVAL DELAVERGNE - DINTRA BV - H2X - OCEA - MICHIGAN WHEEL MARINE EUROPE - NSI - SIBIRIL - STX FRANCE - TRANSMETAL INDUSTRIE - UFAST - UFIN ...



COMPLETE STANDARD ERCEM

Description:

L = total length (the dimension 'L' is given as "indicative" without compression)

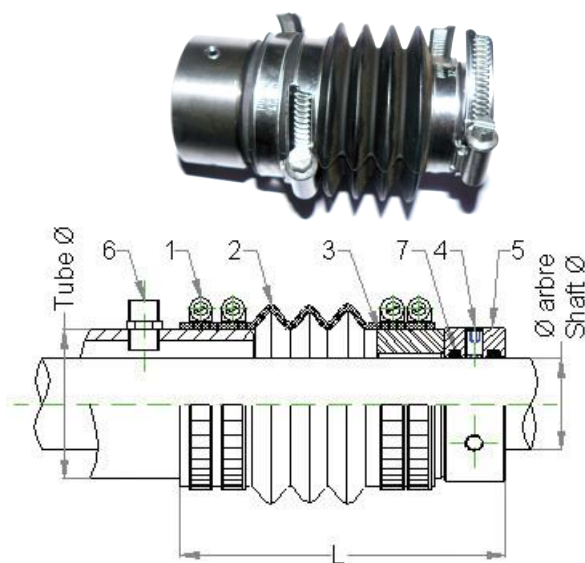
C = compression

+ or - 2 mm (simple)

+ or - 4 mm (reinforced)

(1) Stainless steel clamps (2) Simple or reinforced bellow (3) Carbon ring (4) Stainless steel screw (5) Stainless steel ring (6) Water inlet (7) O'rings

Depending on the application, a water inlet or an air inlet (6) must be fitted to the tube as close to the seal as possible (consult us).



SHAFT Ø	TUBE Ø	Simple Bellow	L	C	Reinforced Bellow	L	C
22	33/39	ERCCO15002201	110	6			
22	41/46	ERCCO15002203	113	6	ERCCO15002204	153	14
22	49/56				ERCCO15002205	153	14
25	41/46	ERCCO15002501	113	6	ERCCO15002502	153	14
25	53/62	ERCCO15002503	116	6	ERCCO15002504	160	10
25.4 (1")	41/46	ERCCO150025401	113	6	ERCCO150025402	153	14
25.4 (1")	53/62	ERCCO150025403	116	6	ERCCO150025404	160	10
28	41/46	ERCCO15002801	118	6	ERCCO15002802	158	14
28	53/62	ERCCO15002803	121	6	ERCCO15002804	165	10
28	64/70				ERCCO15002805	165	10
28.6(1"1/8)	41/46	ERCCO150028601	118	6	ERCCO150028602	158	14
28.6(1"1/8)	53/62	ERCCO150028603	121	6	ERCCO150028604	165	10
30	41/46	ERCCO15003001	118	6	ERCCO15003002	158	14
30	53/62	ERCCO15003003	121	6	ERCCO15003004	165	10
30	64/70				ERCCO15003005	165	10
31.75(1"1/4)	41/46	ERCCO150031701	118	6	ERCCO150031702	158	14
31.75(1"1/4)	53/62	ERCCO150031703	121	6	ERCCO150031704	165	10
31.75(1"1/4)	53/62	ERCCO15003401	121	6	ERCCO15003402	165	10
34	64/70				ERCCO15003404	163	10
34	75/84				ERCCO15003405	173	14
35	53/62	ERCCO15003501	121	6	ERCCO15003502	165	10
35	64/70				ERCCO15003504	163	10
35	75/84				ERCCO15003505	173	14
38.1(1"1/2)	53/62	ERCCO150038101	121	6	ERCCO150038102	165	10
38.1(1"1/2)	64/70				ERCCO150038104	163	10
40	64/70				ERCCO15004004	165	10
40	75/84				ERCCO15004005	175	14
40	53/62	ERCCO150041201	123	6	ERCCO150041202	167	10



SHAFT Ø	TUBE Ø	Simple Bellow	L	C
41.2(1"5/8)	64/70	ERCCO150041204	165	10
41.2(1"5/8)	75/84	ERCCO150041205	175	14
44,45(1"3/4)	64/70	ERCCO150044401	167	10
44,45(1"3/4)	75/84	ERCCO150044402	177	14
45	64/70	ERCCO15004501	167	10
45	75/84	ERCCO15004502	177	14
47.6(1"7/8)	64/70	ERCCO150047601	167	10
47.6(1"7/8)	75/84	ERCCO150047602	177	14
50	75/84	ERCCO15005001	179	14
50	88/93	ERCCO15005002	189	14
50	94/100	ERCCO15005003	189	14
50.8(2")	75/84	ERCCO150050801	179	14
50.8(2")	88/93	ERCCO150050802	189	14
50.8(2")	94/100	ERCCO150050803	189	14
55	75/84	ERCCO15005501	196	14
55	88/93	ERCCO15005502	206	14
55	94/100	ERCCO15005503	206	14
57.15(2"1/4)	75/84	ERCCO150057101	196	14
57.15(2"1/4)	88/93	ERCCO150057102	206	14
57.15(2"1/4)	94/100	ERCCO150057103	206	14
60	88/93	ERCCO15006001	206	14
60	94/100	ERCCO15006002	206	14
60	104/114	ERCCO15006003	256	25
63.5(2"1/2)	88/93	ERCCO150063501	206	14
63.5(2"1/2)	94/100	ERCCO150063502	206	14
63.5(2"1/2)	104/114	ERCCO150063503	256	25
65	88/93	ERCCO15006501	206	14
65	94/100	ERCCO15006502	206	14
65	104/114	ERCCO15006503	256	25
70	104/114	ERCCO15007001	256	25
70	122/132	ERCCO15007002	279	25
75	104/114	ERCCO15007501	256	25
75	122/132	ERCCO15007502	279	25
76.2 (3")	104/114	ERCCO150076201	257	25
76.2 (3")	122/132	ERCCO150076202	279	25
80	104/114	ERCCO15008001	257	25
80	122/132	ERCCO15008002	279	25
82.55 (3"1/4)	104/114	ERCCO150082501	257	25
82.55 (3"1/4)	122/132	ERCCO150082502	279	25
85	122/132	ERCCO15008501	279	25
90	122/132	ERCCO15009001	279	25
95	150/155	ERCCO15009501	287	25
100	150/155	ERCCO15010001	287	25
110	160/165	ERCCO15011001	287	25
110	170/175	ERCCO15011002	287	25
115	160/165	ERCCO15011501	287	25
115	170/175	ERCCO15011502	287	25





STANDARD ERCEM SEALS SPARE PARTS



ERCEM REFERENCE	BELLOW	CARBON RING	STAINLESS STEEL RING
ERCCO15002201	ERCSO15100001	ERCBC15200001	ERCBI15302201
ERCCO15002203	ERCSO15100002	ERCBC15200002	ERCBI15302201
ERCCO15002204	ERCSO15100003	ERCBC15200002	ERCBI15302201
ERCCO15002205	ERCSO15100003	ERCBC15200001	ERCBI15302201
ERCCO15002501	ERCSO15100002	ERCBC15200003	ERCBI15302501
ERCCO15002502	ERCSO15100003	ERCBC15200003	ERCBI15302501
ERCCO15002503	ERCSO15100004	ERCBC15200004	ERCBI15302501
ERCCO15002504	ERCSO15100005	ERCBC15200004	ERCBI15302501
ERCCO150025401	ERCSO15100002	ERCBC15200003	ERCBI153025401
ERCCO150025402	ERCSO15100003	ERCBC15200003	ERCBI153025401
ERCCO150025403	ERCSO15100004	ERCBC15200004	ERCBI153025401
ERCCO150025404	ERCSO15100005	ERCBC15200004	ERCBI153025401
ERCCO15002801	ERCSO15100002	ERCBC15200005	ERCBI15302801
ERCCO15002802	ERCSO15100003	ERCBC15200005	ERCBI15302801
ERCCO15002803	ERCSO15100004	ERCBC15200006	ERCBI15302801
ERCCO15002804	ERCSO15100005	ERCBC15200006	ERCBI15302801
ERCCO15002805	ERCSO15100005	ERCBC15200005	ERCBI15302801
ERCCO150028601	ERCSO15100002	ERCBC15200005	ERCBI153028601
ERCCO150028602	ERCSO15100003	ERCBC15200005	ERCBI153028601
ERCCO150028603	ERCSO15100004	ERCBC15200006	ERCBI153028601
ERCCO150028604	ERCSO15100005	ERCBC15200006	ERCBI153028601
ERCCO15003001	ERCSO15100002	ERCBC15200005	ERCBI15303001
ERCCO15003002	ERCSO15100003	ERCBC15200005	ERCBI15303001
ERCCO15003003	ERCSO15100004	ERCBC15200006	ERCBI15303001
ERCCO15003004	ERCSO15100005	ERCBC15200006	ERCBI15303001
ERCCO15003005	ERCSO15100005	ERCBC15200005	ERCBI15303001
ERCCO150031701	ERCSO15100002	ERCBC15200005A	ERCBI153031701
ERCCO150031702	ERCSO15100003	ERCBC15200005A	ERCBI153031701
ERCCO150031703	ERCSO15100004	ERCBC15200006A	ERCBI153031701
ERCCO150031704	ERCSO15100005	ERCBC15200006A	ERCBI153031701
ERCCO15003401	ERCSO15100004	ERCBC15200007	ERCBI15303401
ERCCO15003402	ERCSO15100005	ERCBC15200007	ERCBI15303401
ERCCO15003404	ERCSO15100006	ERCBC15200008	ERCBI15303401
ERCCO15003405	ERCSO15100007	ERCBC15200008	ERCBI15303401
ERCCO15003501	ERCSO15100004	ERCBC15200007	ERCBI15303501
ERCCO15003502	ERCSO15100005	ERCBC15200007	ERCBI15303501
ERCCO15003504	ERCSO15100006	ERCBC15200008	ERCBI15303501
ERCCO15003505	ERCSO15100007	ERCBC15200008	ERCBI15303501
ERCCO150038101	ERCSO15100004	ERCBC15200007A	ERCBI153038101
ERCCO150038102	ERCSO15100005	ERCBC15200007A	ERCBI153038101
ERCCO150038104	ERCSO15100006	ERCBC15200008A	ERCBI153038101
ERCCO150038105	ERCSO15100007	ERCBC15200008A	ERCBI153038101
ERCCO15004001	ERCSO15100004	ERCBC15200009	ERCBI15304001
ERCCO15004002	ERCSO15100005	ERCBC15200009	ERCBI15304001
ERCCO15004004	ERCSO15100006	ERCBC15200010	ERCBI15304001
ERCCO15004005	ERCSO15100007	ERCBC15200010	ERCBI15304001
ERCCO150041201	ERCSO15100004	ERCBC15200009	ERCBI153041201
ERCCO150041202	ERCSO15100005	ERCBC15200009	ERCBI153041201



STANDARD ERCEM SEALS SPARE PARTS



ERCEM REFERENCE	BELLOW	CARBON RING	STAINLESS STEEL RING
ERCCO150041204	ERCSO15100006	ERCBC15200010	ERCB153041201
ERCCO150041205	ERCSO15100007	ERCBC15200010	ERCB153041201
ERCCO150044401	ERCSO15100006	ERCBC15200011	ERCB153044401
ERCCO150044402	ERCSO15100007	ERCBC15200011	ERCB153044401
ERCCO15004501	ERCSO15100006	ERCBC15200011	ERCB15304501
ERCCO15004502	ERCSO15100007	ERCBC15200011	ERCB15304501
ERCCO150047601	ERCSO15100006	ERCBC15200011	ERCB153047601
ERCCO150047602	ERCSO15100007	ERCBC15200011	ERCB153047601
ERCCO15005001	ERCSO15100007	ERCBC15200013	ERCB15305001
ERCCO15005002	ERCSO15100008	ERCBC15200014	ERCB15305001
ERCCO15005003	ERCSO15100008	ERCBC15200014A	ERCB15305001
ERCCO150050801	ERCSO15100007	ERCBC15200013	ERCB153050801
ERCCO150050802	ERCSO15100008	ERCBC15200014	ERCB153050801
ERCCO150050803	ERCSO15100008	ERCBC15200014A	ERCB153050801
ERCCO15005501	ERCSO15100007	ERCBC15200013A	ERCB15305501
ERCCO15005502	ERCSO15100008	ERCBC15200014B	ERCB15305501
ERCCO15005503	ERCSO15100008	ERCBC15200014C	ERCB15305501
ERCCO150057101	ERCSO15100007	ERCBC15200013A	ERCB153057102
ERCCO150057102	ERCSO15100008	ERCBC15200014B	ERCB153057102
ERCCO150057103	ERCSO15100008	ERCBC15200014C	ERCB153057102
ERCCO15006001	ERCSO15100008	ERCBC15200015	ERCB15306001
ERCCO15006002	ERCSO15100008	ERCBC15200015A	ERCB15306001
ERCCO15006003	ERCSO15100009	ERCBC15200016	ERCB15306001
ERCCO150063501	ERCSO15100008	ERCBC15200015	ERCB153063501
ERCCO150063502	ERCSO15100008	ERCBC15200015A	ERCB153063501
ERCCO150063503	ERCSO15100009	ERCBC15200016	ERCB153063501
ERCCO15006501	ERCSO15100008	ERCBC15200015B	ERCB15306501
ERCCO15006502	ERCSO15100008	ERCBC15200015C	ERCB15306501
ERCCO15006503	ERCSO15100009	ERCBC15200016B	ERCB15306501
ERCCO15007001	ERCSO15100009	ERCBC15200017	ERCB15307001
ERCCO15007002	ERCSO15100010	ERCBC15200019	ERCB15307001
ERCCO15007501	ERCSO15100009	ERCBC15200017A	ERCB15307501
ERCCO15007502	ERCSO15100010	ERCBC15200019A	ERCB15307501
ERCCO150076201	ERCSO15100009	ERCBC15200018	ERCB153076201
ERCCO150076202	ERCSO15100010	ERCBC15200020	ERCB153076201
ERCCO15008001	ERCSO15100009	ERCBC15200018	ERCB15308001
ERCCO15008002	ERCSO15100010	ERCBC15200020	ERCB15308001
ERCCO150082501	ERCSO15100009	ERCBC15200018A	ERCB153082501
ERCCO150082502	ERCSO15100010	ERCBC15200020	ERCB153082501
ERCCO15008501	ERCSO15100010	ERCBC15200020A	ERCB15308501
ERCCO15009001	ERCSO15100010	ERCBC15200021A	ERCB15309001
ERCCO15009501	ERCSO15100011	ERCBC15200024	ERCB15309501
ERCCO15010001	ERCSO15100011	ERCBC15200022	ERCB15310001
ERCCO15011001	ERCSO15100012	ERCBC15200023	ERCB15311001
ERCCO15011002	ERCSO15100013	ERCBC15200023	ERCB15311001
ERCCO15011501	ERCSO15100012	ERCBC15200023A	ERCB15311501
ERCCO15011502	ERCSO15100013	ERCBC15200023A	ERCB15311501