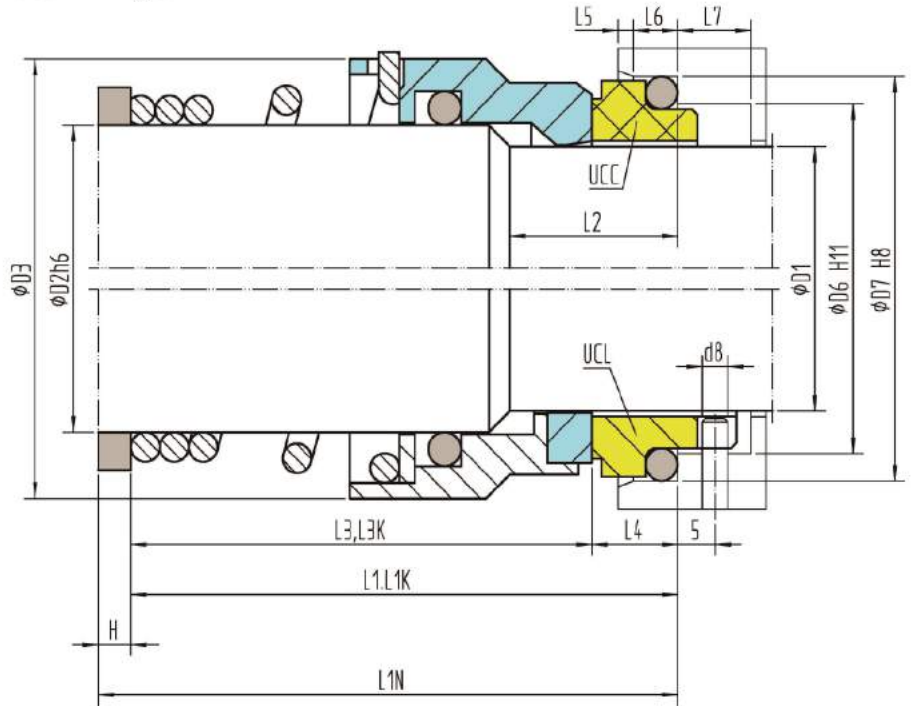


# E-EK-EN-ECA-EKCA-ENCA

Balanced  
Dependent on rotation

O-Ring  
Mechanical seals

Universal allround seal for high pressure applications  
Stepped shaft/shaft sleeve  
Conical spring rotating  
Massive, brazed or shrunk seal rings



**Operating limits:**

(look at working conditions page 112)

E-EK-EN-ECA-EKCA-ENCA
$p \leq 25 \text{ bar}$
$t = -35 \div 180^\circ\text{C}$
$v \leq 15 \text{ m/s}$

**Materials:**

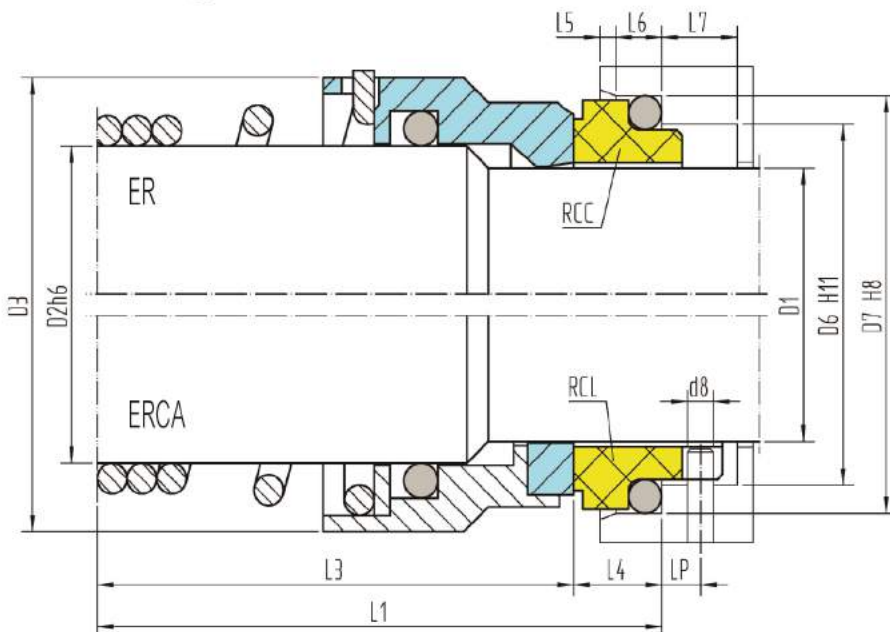
Rotary: A, B, E, F, G, Q, U  
Stationary: A, B, Q, U  
Rubber parts: P, E, V, K, M

$L1=L3+L4$   
 $L1K=L3K+L4$   
 $L1N=L3+H+L4$

EN 12756 (DIN 24960)															UCC	UCL
D1	D2	D6	D7	D3	L1K	L3K	L1N	L1	L3	L4	L2	L6	L5	H	D8	L7
10	14	17	21	23	40	33	50	50	43	7	18	4	1.5	—	3	8.5
12	16	19	23	27	40	33	50	50	43	7	18	4	1.5	—	3	8.5
14	18	21	25	29	42.5	35.5	55	46	39	7	18	4	1.5	9	3	8.5
16	20	23	27	30	42.5	35.5	55	47	40	7	18	4	1.5	8	3	8.5
18	22	27	33	34	45	35	55	51	41	10	20	5	2	4	3	9
20	24	29	35	35	45	35	60	53	43	10	20	5	2	7	3	9
22	26	31	37	38	45	35	60	53	43	10	20	5	2	7	3	9
24	28	33	39	42	47.5	37.5	60	60	50	10	20	5	2	—	3	9
25	30	34	40	45	47.5	37.5	60	60	50	10	20	5	2	—	3	9
28	33	37	43	48	50	40	65	65	55	10	20	5	2	—	3	9
30	35	39	45	50	50	40	65	65	55	10	20	5	2	—	3	9
32	38	42	48	54	50	40	65	65	55	10	20	5	2	—	3	9
33	38	42	48	54	50	40	65	65	55	10	20	5	2	—	3	9
35	40	44	50	56	50	40	65	65	55	10	20	5	2	—	3	9
38	43	49	56	60	52.5	39.5	75	75	62	13	23	6	2	—	4	9
40	45	51	58	62	52.5	39.5	75	75	62	13	23	6	2	—	4	9
43	48	54	61	66	52.5	39.5	75	75	62	13	23	6	2	—	4	9
45	50	56	63	68	52.5	39.5	75	75	62	13	23	6	2	—	4	9
48	53	59	66	71	52.5	39.5	85	85	72	13	23	6	2	—	4	9
50	55	62	70	74	57.5	43.5	85	85	71	14	25	6	2.5	—	4	9
53	58	65	73	77	57.5	43.5	85	85	71	14	25	6	2.5	—	4	9
55	60	67	75	79	57.5	43.5	85	85	71	14	25	6	2.5	—	4	9
58	63	70	78	83	62.5	48.5	85	85	71	14	25	6	2.5	—	4	9
60	65	72	80	86	62.5	48.5	95	95	81	14	25	6	2.5	—	4	9
63	68	75	83	88	62.5	48.5	95	95	81	14	25	6	2.5	—	4	9
65	70	77	85	90	62.5	48.5	95	95	81	14	25	6	2.5	—	4	9
70	75	83	92	95	70	54	95	95	79	16	28	7	2.5	—	4	9
75	80	88	97	101	70	54	105	105	89	16	28	7	2.5	—	4	9
80	85	95	105	108	70	52	105	105	87	18	28	7	3	—	4	9
85	90	100	110	116	75	57	105	105	87	18	28	7	3	—	4	9
90	95	105	115	122	75	57	105	105	87	18	28	7	3	—	4	9
95	100	110	120	127	75	57	105	105	87	18	28	7	3	—	4	9
100	105	115	125	137	75	57	105	105	87	18	28	7	3	—	4	9

Spacer ring is not included in the delivery of the mechanical seal.

Universal allround seal for high pressure applications  
 Stepped shaft/shaft sleeve  
 Conical spring rotating  
 Massive, brazed or shrunk seal rings



**Operating limits:**  
 (look at working conditions page 112)

ER-ERCA	
p ≤	16 bar
t =	-35 ÷ 180°C
v ≤	15 m/s

**Materials:**

Rotary: A, B, E, F, G, Q, U  
 Stationary: A, B, Q, U  
 Rubber parts: P, E, V, K, M

**Special fitting dimensions**

**RCC RCL**

D1	D2	D6	D7	D3	L1	L3	L4	L6	L5	D8	L7	Lp
10	13	14	18.1	22	35.5	30	5.5	2.8	1.2	2	6.2	3.5
12	15	16.5	20.6	24	35.5	30	5.5	2.8	1.2	2	6.2	3.5
13	16	19	23.1	26	37	31	6	2.8	1.2	2	6.7	4
14	17	19	23.1	27	37	31	6	2.8	1.2	2	6.7	4
15	18	21	26.9	29	39	32	7	3.7	1.3	2.5	7.6	4
16	19	21	26.9	30	41	34	7	3.7	1.3	2.5	7.6	4
18	21	25	30.9	34	42	34	8	3.7	1.3	3	8.5	4.5
19	22	25	30.9	34	42	34	8	3.7	1.3	3	8.5	4.5
20	23	25	30.9	35	44	36	8	3.7	1.3	3	8.5	4.5
22	26	30	35.4	37.5	45	37	8	3.7	1.8	3.5	8.5	5
23	27	30	35.4	39	45	37	8	3.7	1.8	3.5	8.5	5
24	28	30	35.4	42	47	39	8	3.7	1.8	3.5	8.5	5
25	29	33	38.2	42	48.5	40	8.5	3.7	1.8	4	9.1	5
28	32	38	43.3	45	49	40	9	3.7	1.8	4	9.6	6
30	34	38	43.3	50	58	49	9	3.7	1.8	4	9.6	6
32	36	38	43.3	53	58	49	9	3.7	1.8	4	9.6	6
35	39	45	53.5	55	62.5	51	11.5	5.4	2.1	5	12	7.5
38	42	52	60.5	59	62.5	51	11.5	5.4	2.1	5	12	7.5
40	44	52	60.5	60	64.5	53	11.5	5.4	2.1	5	12	7.5
42	46	52	60.5	65	64.5	53	11.5	5.4	2.1	5	12	7.5
43	47	52	60.5	66	64.5	53	11.5	5.4	2.1	5	12	7.5
44	48	57	65.5	66	65.5	54	11.5	5.4	2.1	5	13	8.5
45	49	57	65.5	68	65.5	54	11.5	5.4	2.1	5	13	8.5
50	54	64	72.5	74	70.5	59	11.5	5.4	2.1	5	13	8.5
55	60	64	72.5	79	75.5	64	11.5	5.4	2.1	5	13	8.5
60	65	72	79.3	86	77.5	66	11.5	5.4	2.1	5	13.5	8.5
65	70	77	84.5	91	77.5	66	11.5	5.4	2.1	5	13.5	8.5
70	75	82	89.5	96	83.5	72	11.5	5.4	2.1	5	13.5	8.5
75	80	87	94.5	101	86.5	75	11.5	5.4	2.1	5	13.5	8.5
80	85	92	99.5	108	86.5	75	11.5	5.4	2.1	5	13.5	8.5
85	90	98	105.5	116	91.5	78	13.5	5.4	2.6	5	13.5	8.5
90	95	105	111.5	122	91.5	78	13.5	5.4	2.6	5	13.5	8.5
95	100	110	116.5	127	104.5	91	13.5	5.4	2.6	5	13.5	8.5
100	106	114	119.5	137	106.5	93	13.5	5.4	2.6	5	13.5	8.5
110	116	124	132.2	150	122.5	105	17.5	7.1	3.9	5	13.5	8.5
120	126	134	142.2	161	133.5	116	17.5	7.1	3.9	5	13.5	8.5
130	136	145	153.2	174	133.5	116	17.5	7.1	3.9	5	13.5	8.5
135	141	152	161.2	180	140.5	122	18.5	7.1	3.9	5	13.5	8.5
140	146	157	164.3	185	151.5	133	18.5	7.1	3.9	5	13.5	8.5
150	156	167	174.2	194	151.5	133	18.5	7.1	3.9	5	13.5	8.5
160	166	188	195	205	164	143	21	9.1	3.9	5	15.5	8.5