

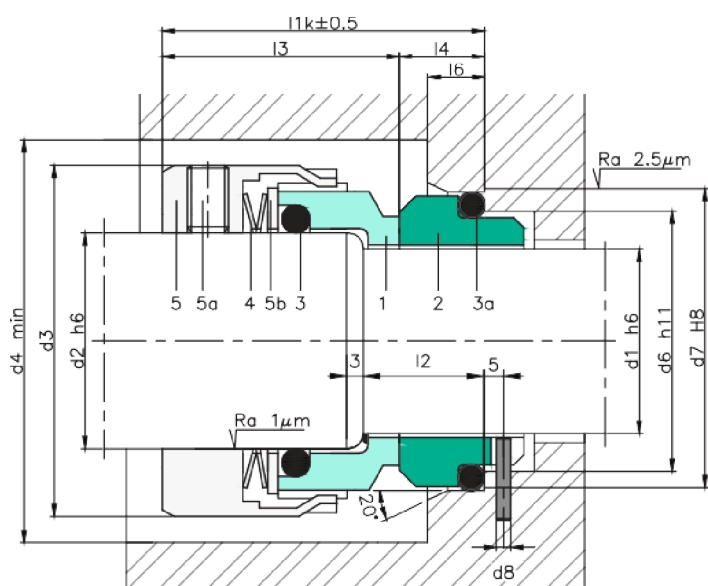


COMPONENTS

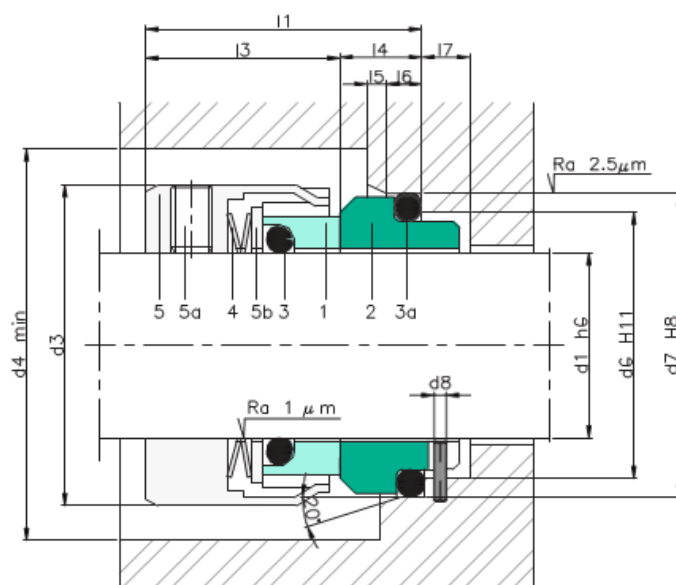
- 1 Rotating contact surface
- 2 Stationary contact surface
- 3 O-rings
- 3a O-rings
- 4 Springs
- 5 Metal frame
- 5a Set screws
- 5b Ring

SECTOR

- Process industry • Chemical industry
- Pulp and paper industry
- Water and waste water technology
- Shipbuilding
- Food and beverage industry
- Lube oils
- Low solids content media
- Water / sewage water pumps
- Chemical standard pumps
- Vertical screw pumps
- Gear wheel feed pumps
- Multistage pumps (drive side)
- Circulation of printing colors with viscosity
- 500 ... 15,000 mm²/s



E7B



E7N

OPERATING RANGE

Shaft diameter: $d_1 = 14 \dots 100 \text{ mm}$ (0.55" ... 3.94")
 Pressure: $p_1 = 25 \text{ bar}$ (363 PSI)
 Temperature: $t = -50 \text{ °C} \dots +220 \text{ °C}$
 (-58 °F ... +428 °F)
 Sliding velocity: $v_g = 20 \text{ m/s}$ (66 ft/s) Axial movement:
 $d_1 = \dots 25 \text{ mm}$: $\pm 1 \text{ mm}$
 $d_1 = 28 \dots 63 \text{ mm}$: $\pm 1.5 \text{ mm}$
 $d_1 = \text{from } 65 \text{ mm}$: $\pm 2 \text{ mm}$

DESCRIPTION

Recommended for working with sticky fluids and fluids laden with particles and fibres. Unlike the multispring models, the wave spring model cannot be blocked or obstructed and its open leaf design produces a self-cleaning effect. Standard L9 type stationary part. Seal compliant with standard EN 12756 (KU). Available with a pumping ring on the casing to reduce the temperature between the contact surfaces and facilitate the barrier fluid movement in the case of double mounting (reference LWS10-F). Contact surface kits supplied available.

SEAL FACE MATERIALS.

- Antimony impregnated carbon graphite
- Resin impregnated carbon graphite
- Sintered silicon carbide
- Reaction bonded silicon carbide
- Tungsten carbide

FEATURES

- For plain shafts
- Single seal
- Unbalanced
- Super-Sinus-spring or multiple springs rotating
- Independent of direction of rotation
- Pumping screw for media with higher viscosity (E7N)
- Variant with PTFE secondary seals for high chemical resistance (E7N)

ADVANTAGE

- Universal application opportunities
- Efficient stock keeping
- due to easily interchangeable faces
- Extended selection of materials

DIMENSIONS IN MM

Shaft mm	Rotary part					Stationary part								Total length l1
	d3	d4	l3	l3A	l9	d6	d7	d8	l4	l4A	l5	l6	l7	
18	32	34	30.5	28.5	3	27	33	3	7	9	2	4	8.5	37.5
20	34	36	30.5	28.5	3	29	35	3	7	9	2	5	8.5	37.5
22	36	38	30.5	28.5	3	31	37	3	7	9	2	5	9	37.5
24	38	40	33	31	3.5	33	39	3	7	9	2	5	9	40
25	39	41	33	31	3.5	34	40	3	7	9	2	5	9	40
28	42	44	35.5	33	3.5	37	43	3	7	9.5	2	5	9	42.5
30	44	46	35.5	33	3.5	39	45	3	7	9.5	2	5	9	42.5
32	47	48	35.5	33	3.5	42	48	3	7	9.5	2	5	9	42.5
33	47	49	35.5	33	3.5	42	48	3	7	9.5	2	5	9	42.5
35	49	51	35.5	33	3.5	44	50	3	7	9.5	2	5	9	42.5
38	54	58	37	34.5	4	49	56	4	8	10.5	2	6	9	45
40	56	60	37	34.5	4	51	58	4	8	10.5	2	6	9	45
43	59	63	37	34.5	4	54	61	4	8	10.5	2	6	9	45
45	61	65	37	34.5	4	56	63	4	8	10.5	2	6	9	45
48	64	68	37	34.5	4	59	66	4	8	10.5	2	6	9	45
50	66	70	38	35.5	4.5	62	70	4	9.5	12	2.5	6	9	47.5
53	69	73	38	35.5	4.5	65	73	4	9.5	12	2.5	6	9	47.5
55	71	75	38	35.5	4.5	67	75	4	9.5	12	2.5	6	9	47.5
58	78	83	42	39.5	4.5	70	78	4	10.5	13	2.5	6	9	52.5
60	80	85	42	39.5	4.5	72	80	4	10.5	13	2.5	6	9	52.5
63	83	88	42	39.5	4.5	75	83	4	10.5	13	2.5	6	9	52.5
65	85	90	42	39.5	4.5	77	85	4	10.5	13	2.5	6	9	52.5
68	88	93	41.5	39	4.5	81	90	4	11	13.5	2.5	7	9	52.5
70	90	95	48.5	46	5	83	92	4	11.5	14	2.5	7	9	60
75	99	104	48.5	46	5.5	88	97	4	11.5	14	2.5	7	9	60
80	104	109	48.5	46	5.5	95	105	4	11.5	14	3	7	9	60
85	109	114	48.5	46	5.5	100	110	4	11.5	14	3	7	9	60
90	114	119	52	49.5	5.5	105	115	4	13	15.5	3	7	9	65
95	119	124	52	49.5	5.5	110	120	4	13	15.5	3	7	9	65
100	124	129	52	49.5	5.5	115	125	4	13	15.5	3	7	9	65

Dimensions subject to changes or modifications.

