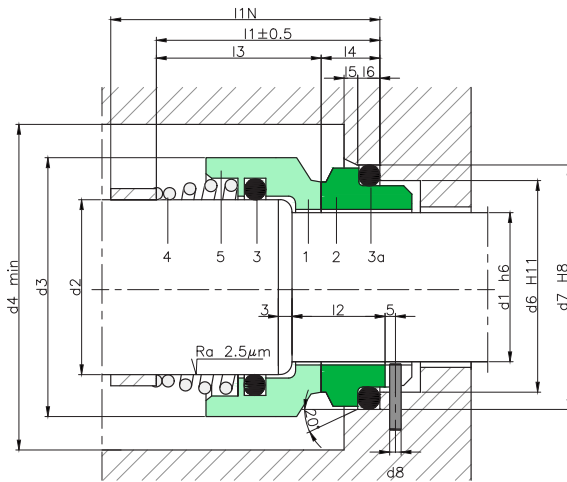


# RNB / LS60B and RN.NB / LS60BDIN



**COMPONENTS:**

- 1 Rotating contact surface
- 2 Stationary contact surface
- 3 O-rings
- 3a O-rings
- 4 Spring
- 5 Metal frame



**SECTORS:**



**CHARACTERISTICS:**

- **Balanced.**
- **Single conical spring.**
- **Dependent on the rotation direction.**

**OPERATING LIMITS:**

$d_1 = 10 \div 100 \text{ mm}$      $p = 50 \text{ kg/cm}^2$   
 $v = 20 \text{ m/s}$                        $t = -20 \div +200^\circ\text{C}$  (\*)

(\*) The temperature resistance depends on the material of the secondary seals used.

The operating limits are defined by the PV factor which is determined for the sealing system characteristics and those of the application.

**DESCRIPTION:**

A versatile, robust single seal that is widely used in many different industrial and household applications. Suitable for working at high pressures. The rotating part, with a compact design, only permits the use of secondary seals made of elastic materials. Types: RN.NB/LS60BDIN: standardised models in accordance with EN 12756 NB.

**DIMENSIONS CHART RNB / LS60B**

Dimensions in mm

Shaft mm	Rotary part				Stationary part							Total length l <sub>1</sub>
	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	l <sub>3</sub>	d <sub>6</sub>	d <sub>7</sub>	l <sub>2</sub>	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>	l <sub>7</sub>	
10	13	22	27	30	14.0	18.1	12.0	5.5	1.2	3	1.5	35.5
12	15	24	30	30	16.5	20.6	12.0	5.5	1.2	3	1.5	35.5
14	17	26	31	31	19.0	23.1	12.5	6.0	1.2	3	1.5	37.0
15	18	32	36	32	21.0	26.9	13.5	7.0	1.5	4	1.5	39.0
16	19	32	36	34	21.0	26.9	14.5	7.0	1.5	4	1.5	41.0
18	21	35	41	34	25.0	30.9	15.5	8.0	1.5	4	1.5	42.0
20	23	36	41	36	25.0	30.9	15.5	8.0	1.5	4	1.5	44.0
22	26	39	45	37	30.0	35.4	16.0	8.0	2.0	4	2.0	45.0
24	28	42	50	39	30.0	35.4	16.0	8.0	2.0	4	2.0	47.0
25	29	43	50	40	33.0	38.2	16.5	8.5	2.0	4	2.0	48.5
28	32	46	50	40	38.0	43.3	17.0	9.0	2.0	4	2.0	49.0
30	34	48	60	49	38.0	43.3	17.0	9.0	2.0	4	2.0	58.0
32	36	50	60	49	38.0	43.3	17.0	9.0	2.0	4	2.0	58.0
35	39	55	68	51	45.0	53.5	21.5	11.5	2.0	6	2.0	62.5
38	42	57	68	51	52.0	60.5	21.5	11.5	2.0	6	2.0	62.5
40	44	60	72	53	52.0	60.5	21.5	11.5	2.0	6	2.0	64.5
42	46	62	72	53	52.0	60.5	21.5	11.5	2.0	6	2.0	64.5
43	47	63	72	53	52.0	60.5	21.5	11.5	2.0	6	2.0	64.5
45	49	65	72	54	57.0	65.5	22.4	11.5	2.0	6	2.0	65.5
50	54	70	80	59	64.0	72.5	23.5	11.5	2.0	6	2.0	70.5
52	57	75	87	62	64.0	72.5	24.0	11.5	2.0	6	2.5	73.5
55	60	80	87	64	64.0	72.5	24.0	11.5	2.0	6	2.5	75.5
60	65	85	92	66	72.0	79.3	24.0	11.5	2.0	6	2.5	77.5
65	70	90	97	66	77.0	84.5	24.0	11.5	2.0	6	2.5	77.5
70	75	99	102	72	82.0	89.5	24.0	11.5	2.0	6	2.5	83.5
75	80	104	107	75	87.0	94.5	25.0	11.5	2.0	6	2.5	86.5
80	85	109	113	75	92.0	99.5	25.0	11.5	2.0	6	2.5	86.5
85	90	114	120	78	98.0	105.5	27.0	13.5	2.5	6	2.5	91.5
90	95	119	130	78	105.0	111.5	27.0	13.5	2.5	6	2.5	91.5
95	100	124	136	91	110.0	116.5	27.0	13.5	2.5	6	2.5	104.5
100	106	130	150	93	114.0	119.5	28.5	13.5	2.5	6	3.0	106.5

Dimensions subject to changes or modifications.

**DIMENSIONS CHART RN.NB / LS60BDIN**

Dimensions in mm

Shaft mm	Rotary part				Stationary part							Total length l <sub>1N</sub>	l <sub>1</sub>
	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	l <sub>3</sub>	d <sub>6</sub>	d <sub>7</sub>	d <sub>8</sub>	l <sub>2</sub>	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>		
10	14	24	26	43	17	21	3	18	7	1.5	4	50	50
12	16	26	28	43	19	23	3	18	7	1.5	4	50	50
14	18	32	34	39	21	25	3	18	7	1.5	4	55	46
16	20	34	36	40	23	27	3	18	7	1.5	4	55	47
18	22	36	38	41	27	33	3	20	10	2.0	5	55	51
20	24	38	40	43	29	35	3	20	10	2.0	5	60	53
22	26	40	42	43	31	37	3	20	10	2.0	5	60	53
24	28	42	44	50	33	39	3	20	10	2.0	5	60	60
25	30	44	46	50	34	40	3	20	10	2.0	5	60	60
28	33	47	49	55	37	43	3	20	10	2.0	5	65	65
30	35	49	51	55	39	45	3	20	10	2.0	5	65	65
32	38	54	58	55	42	48	3	20	10	2.0	5	65	65
33	38	54	58	55	42	48	3	20	10	2.0	5	65	65
35	40	56	60	55	44	50	3	20	10	2.0	5	65	65
38	43	59	63	62	49	56	4	23	13	2.0	6	75	75
40	45	61	65	62	51	58	4	23	13	2.0	6	75	75
43	48	64	68	62	54	61	4	23	13	2.0	6	75	75
45	50	66	70	62	56	63	4	23	13	2.0	6	75	75
48	53	69	73	72	59	66	4	23	13	2.0	6	85	85
50	55	71	75	71	62	70	4	25	14	2.5	6	85	85
53	58	78	83	71	65	73	4	25	14	2.5	6	85	85
55	60	80	85	71	67	75	4	25	14	2.5	6	85	85
58	63	83	88	71	70	78	4	25	14	2.5	6	85	85
60	65	85	90	81	72	80	4	25	14	2.5	6	95	95
63	68	88	93	81	75	83	4	25	14	2.5	6	95	95
65	70	90	95	81	77	85	4	25	14	2.5	6	95	95
70	75	99	104	79	83	92	4	28	16	2.5	7	95	95
75	80	104	109	89	88	97	4	28	16	2.5	7	105	105
80	85	109	114	87	95	105	4	28	18	3.0	7	105	105
85	90	114	119	87	100	110	4	28	18	3.0	7	105	105
90	95	119	124	87	105	115	4	28	18	3.0	7	105	105
95	100	124	129	87	110	120	4	28	18	3.0	7	105	105
100	105	129	134	87	115	125	4	28	18	3.0	7	105	105