



Wave Spring



SM7N



SH7N



SHJ97 / SHJ92



S80



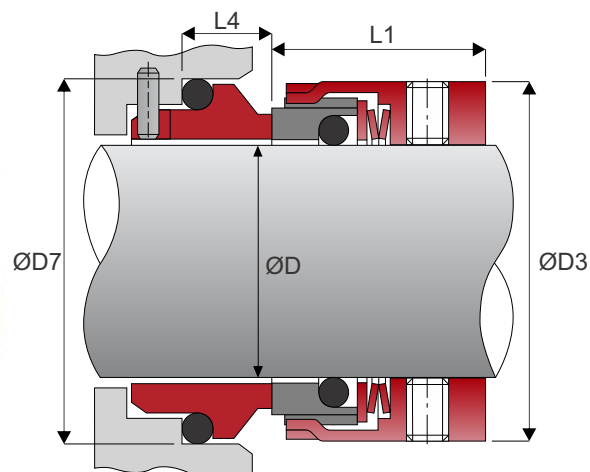
S87

Materials

Stationary	- Sic, SSic, TC, Carbon
Rotary	- Sic, SSic, TC, S/S
Elastomer	- NBR, EPDM, Viton

Working Conditions

Pressure	< 25 bar
Speed	< 20 m/s
Temperature	Up to 205°C



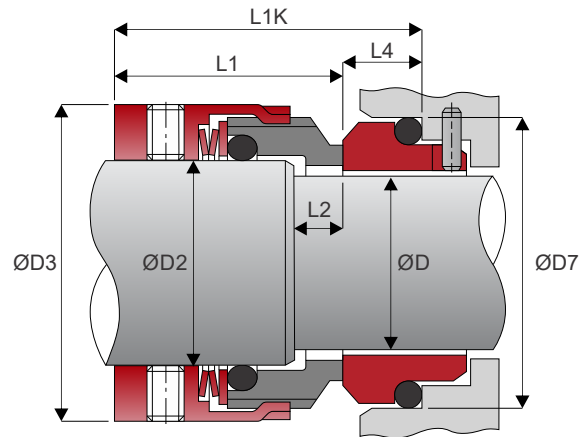
Metric		L1	ØD3	SS9 - Stationary	
Shaft ØD	Code			L4	ØD7
14	0140	25.0	25	10.0	25.0
16	0160	25.0	27	10.0	27.0
18	0180	26.0	33	11.5	33.0
20	0200	26.0	35	11.5	35.0
22	0220	26.0	37	11.5	37.0
24	0240	28.5	39	11.5	39.0
25	0250	28.5	40	11.5	40.0
28	0280	31.0	43	11.5	43.0
30	0300	31.0	45	11.5	45.0
32	0320	31.0	47	11.5	48.0
33	0330	31.0	48	11.5	48.0
35	0350	31.0	50	11.5	50.0
38	0380	31.0	55	14.0	56.0
40	0400	31.0	57	14.0	58.0
43	0430	31.0	60	14.0	61.0
45	0450	31.0	62	14.0	63.0
48	0480	31.0	65	14.0	66.0
50	0500	32.5	67	15.0	70.0
53	0530	32.5	70	15.0	73.0
55	0550	32.5	72	15.0	75.0
58	0580	37.5	79	15.0	78.0
60	0600	37.5	81	15.0	80.0
63	0630	37.5	84	15.0	83.0
65	0650	37.5	86	15.0	85.0
68	0680	34.5	89	18.0	90.0
70	0700	42.0	91	18.0	92.0
75	0750	42.0	99	18.0	97.0
80	0800	41.8	104	18.2	105.0

Materials

Rotary Face	- Carbon, Sic, SSic, TC
Stationary	- S/S, Sic, SSic, TC
Elastomer	- NBR, EPDM, Viton, FFKM

Working Conditions

Pressure	< 62 bar
Speed	< 20 m/s
Temperature	up to 205°C



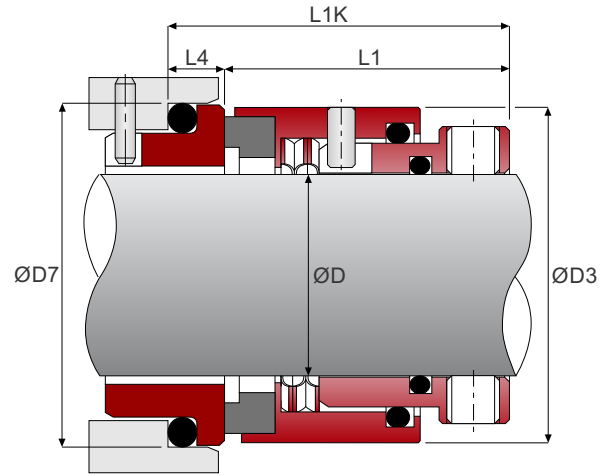
Metric			L1	L1K	L2	ØD3	SS9 - Stationary	
Seat ØD	Code	Rotary ØD2					L4	ØD7
14	0140	18	32.5	42.5	8.0	33	10.0	25.0
16	0160	20	32.5	42.5	8.0	35	10.0	27.0
18	0180	22	33.5	45.0	8.5	37	11.5	33.0
20	0200	24	33.5	45.0	8.5	39	11.5	35.0
22	0220	26	33.5	45.0	8.5	41	11.5	37.0
24	0240	28	36.0	47.5	8.5	43	11.5	39.0
25	0250	30	36.0	47.5	8.5	45	11.5	40.0
28	0280	33	38.5	50.0	8.5	48	11.5	43.0
30	0300	35	38.5	50.0	8.5	50	11.5	45.0
32	0320	38	38.5	50.0	8.5	55	11.5	48.0
35	0350	40	38.5	50.0	8.5	57	11.5	50.0
38	0380	43	38.5	52.5	9.0	60	14.0	56.0
40	0400	45	38.5	52.5	9.0	62	14.0	58.0
43	0430	48	38.5	52.5	9.0	65	14.0	61.0
45	0450	50	38.5	52.5	9.0	67	14.0	63.0
48	0480	53	38.5	52.5	9.0	70	14.0	66.0
50	0500	55	42.5	57.5	10.0	72	15.0	70.0
53	0530	58	42.5	57.5	10.0	79	15.0	73.0
55	0550	60	42.5	57.5	10.0	81	15.0	75.0
58	0580	63	47.5	62.5	10.0	84	15.0	78.0
60	0600	65	47.5	62.5	10.0	86	15.0	80.0
63	0630	68	47.5	62.5	10.0	89	15.0	83.0
65	0650	70	47.5	62.5	10.0	91	15.0	85.0
70	0700	75	52.0	70.0	10.0	99	18.0	92.0
75	0750	80	52.0	70.0	10.0	104	18.0	97.0
80	0800	85	51.8	70.0	9.8	109	18.2	105.0
85	0850	90	56.8	75.0	9.8	114	18.2	110.0
90	0900	95	56.8	75.0	9.8	119	18.2	115.0
95	0950	100	57.8	75.0	10.8	124	17.2	120.0
100	1000	105	57.8	75.0	10.8	129	17.2	125.0
105	1050	115	53.0	73.0	12.0	148	20.0	134.0
110	1100	120	53.0	73.0	12.0	153	20.0	140.3
115	1150	125	53.0	73.0	12.0	158	20.0	148.3
120	1200	130	53.0	73.0	12.0	163	20.0	150.3

Materials

Rotary	- Carbon
Stationary SS16	- SiC, SSiC, TC
Elastomer	- NBR, EPDM, Viton, FFKM

Working Conditions

Pressure	< 25 bar
Speed	< 15 m/s
Temperature	up to 205°C



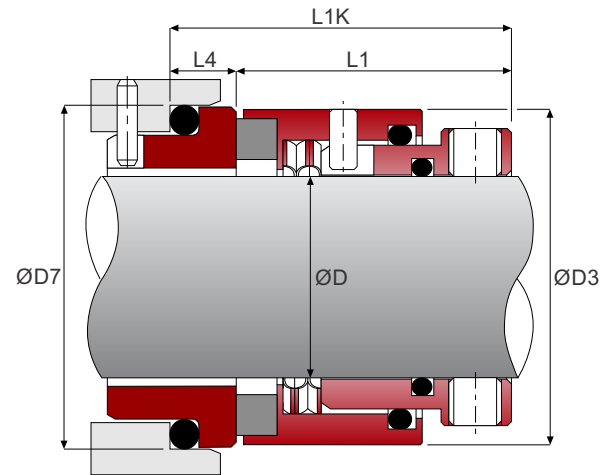
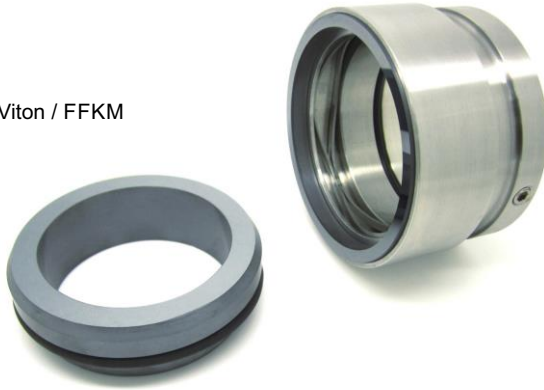
Metric		ØD3	L1	L1K	SS16	
Shaft ØD	Code				ØD7	L4
18	0180	32.0	30.5	37.5	33.0	7.0
20	0200	34.0	30.5	37.5	35.0	7.0
22	0220	36.0	30.5	37.5	37.0	7.0
24	0240	38.0	33.0	40.0	39.0	7.0
25	0250	39.0	33.0	40.0	40.0	7.0
28	0280	42.0	35.5	42.5	43.0	7.0
30	0300	44.0	35.5	42.5	45.0	7.0
32	0320	47.0	35.5	42.5	48.0	7.0
33	0330	47.0	35.5	42.5	48.0	7.0
35	0350	49.0	35.5	42.5	50.0	7.0
38	0380	54.0	37.0	45.0	56.0	8.0
40	0400	56.0	37.0	45.0	58.0	8.0
43	0430	59.0	37.0	45.0	61.0	8.0
45	0450	61.0	37.0	45.0	63.0	8.0
48	0480	64.0	37.0	45.0	66.0	8.0
50	0500	66.0	38.0	47.5	70.0	9.5
53	0530	69.0	38.0	47.5	73.0	9.5
55	0550	71.0	38.0	47.5	75.0	9.5
58	0580	78.0	42.0	52.5	78.0	10.5
60	0600	80.0	42.0	52.5	80.0	10.5
63	0630	83.0	42.0	52.5	83.0	10.5
65	0650	85.0	42.0	52.5	85.0	10.5
68	0680	88.0	41.5	52.5	90.0	11.0
70	0700	90.0	48.5	60.0	92.0	11.5
75	0750	99.0	48.5	60.0	97.0	11.5
80	0800	104.0	48.5	60.0	105.0	11.5
85	0850	109.0	48.5	60.0	110.0	11.5
90	0900	114.0	52.0	65.0	115.0	13.0
95	0950	119.0	52.0	65.0	120.0	13.0
100	1000	124.0	52.0	65.0	125.0	13.0

Materials

Rotary	- SiC / SSiC / TC
Stationary	- SiC / SSiC / TC
Elastomer	- NBR / EPDM / Viton / FFKM

Working Conditions

Pressure	< 25 bar
Speed	< 15 m/s
Temperature	up to 205°C



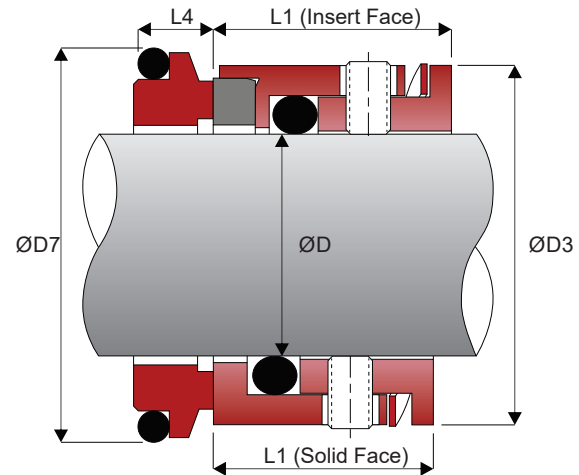
Metric		ØD3	L1	L1K	SS46	
Shaft ØD	Code				ØD7	L4
18	0180	32.0	28.5	37.5	33.0	9.0
20	0200	34.0	28.5	37.5	35.0	9.0
22	0220	36.0	28.5	37.5	37.0	9.0
24	0240	38.0	31.0	40.0	39.0	9.0
25	0250	39.0	31.0	40.0	40.0	9.0
28	0280	42.0	33.0	42.5	43.0	9.5
30	0300	44.0	33.0	42.5	45.0	9.5
32	0320	47.0	33.0	42.5	48.0	9.5
33	0330	47.0	33.0	42.5	48.0	9.5
35	0350	49.0	33.0	42.5	50.0	9.5
38	0380	54.0	34.5	45.0	56.0	10.5
40	0400	56.0	34.5	45.0	58.0	10.5
43	0430	59.0	34.5	45.0	61.0	10.5
45	0450	61.0	34.5	45.0	63.0	10.5
48	0480	64.0	34.5	45.0	66.0	10.5
50	0500	66.0	35.5	47.5	70.0	12.0
53	0530	69.0	35.5	47.5	73.0	12.0
55	0550	71.0	35.5	47.5	75.0	12.0
58	0580	78.0	39.5	52.5	78.0	13.0
60	0600	80.0	39.5	52.5	80.0	13.0
63	0630	83.0	39.5	52.5	83.0	13.0
65	0650	85.0	39.5	52.5	85.0	13.0
68	0680	88.0	39.0	52.5	90.0	13.5
70	0700	90.0	46.0	60.0	92.0	14.0
75	0750	99.0	46.0	60.0	97.0	14.0
80	0800	104.0	46.0	60.0	105.0	14.0
85	0850	109.0	46.0	60.0	110.0	14.0
90	0900	114.0	49.5	65.0	115.0	15.5
95	0950	119.0	49.5	65.0	120.0	15.5
100	1000	124.0	49.5	65.0	125.0	15.5

Materials

Insert Rotary Face	- Sic, Ssic, TC
Solid Rotary Face	- Stainless Steel
Stationary	- Carbon, Sic, Ssic, TC
Elastomer	- NBR, EPDM, Viton, FFKM

Working Conditions

Pressure	< 12 bar
Speed	< 20 m/s
Temperature	up to 205°C

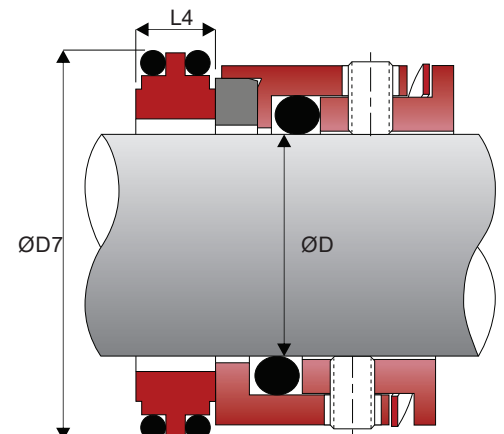


Shaft ØD	Code	ØD3	L1		SSW01	
			Solid Face	Insert Face	L4	ØD7
15.8	0159	27.0	19.1	19.6	6.3	28.5
16.0	0160	27.0	19.1	19.6	6.3	28.5
19.1	0191	30.0	19.1	20.1	6.3	31.7
24.0	0240	34.1	19.1	20.1	7.6	35.4
28.0	0280	40.0	19.1	20.1	7.6	42.0
28.6	0286	39.5	19.1	20.1	7.6	41.2
30.0	0300	41.0	19.1	20.1	7.6	42.7
31.7	0317	42.4	19.1	20.1	7.6	44.2
32.0	0320	42.4	19.1	20.1	7.6	44.4
35.0	0350	45.5	19.1	20.1	7.6	47.6
38.0	0380	51.8	21.1	21.5	7.6	53.9
44.4	0444	58.2	21.1	21.5	8.1	60.3
47.6	0476	61.4	21.1	21.5	8.1	63.5
50.0	0500	61.9	21.1	21.5	8.1	63.9
50.8	0508	64.6	22.1	22.5	9.6	66.6
53.9	0539	71.0	22.1	23.2	9.6	73.0
54.0	0540	71.0	22.1	23.2	9.6	73.9
55.0	0550	72.0	22.1	23.2	9.6	75.0
63.0	0630	79.3	25.8	27.4	9.1	83.0
63.5	0635	79.3	25.8	27.4	9.1	88.9
69.8	0698	88.9	25.8	27.4	9.1	95.2
73.0	0730	94.0	25.8	27.4	9.1	98.4
75.0	0750	96.0	25.8	27.4	9.1	100.4
76.2	0762	96.0	25.8	27.4	9.1	100.4

SSW011

SSW011 - Inoxpa Prolac and SLR Pumps			
Shaft ØD	Code	L4	ØD7
28.0	0280	10.1	46.0
35.0	0350	12.0	53.0
50.0	0500	12.0	70.0

SSW011 stationary is used in conjunction with S80 rotary.

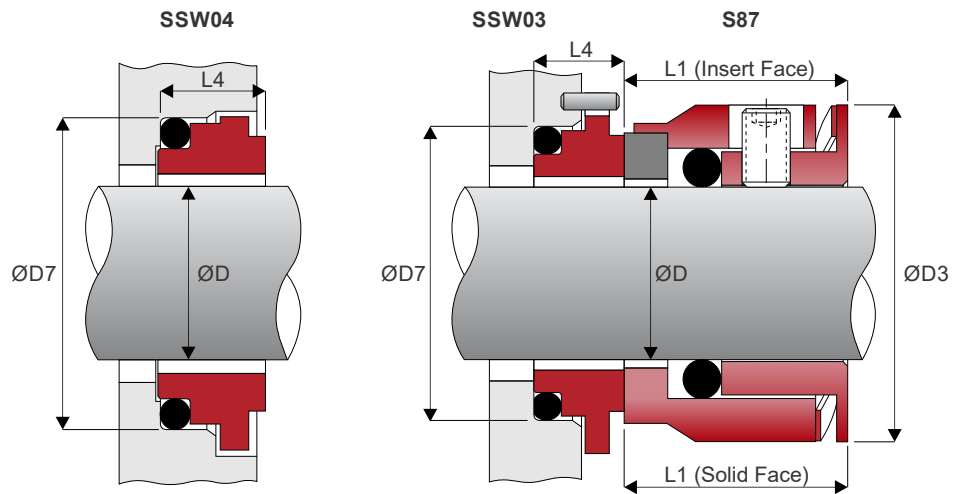


Materials

S87 Rotary	- Sic, Ssic, TC, S/S
SSW03 Stationary	- Carbon, Sic, TC
SSW04 Stationary	- Carbon, Sic, Ssic, TC
Elastomers	- NBR, EPDM, Viton, FFKM

Working Conditions

Pressure	< 20 bar
Speed	< 5.5 m/s
Temperature	up to 205°C



Code	Shaft ØD	L1 - S87			SSW03	
		L1 - Insert Face	L1 - Solid Face	ØD3	L4	ØD7
0200	20	20.5	20.0	32.4	10.5	30.0
0300	30	21.9	21.4	44.0	11.1	41.3
0350	35	22.5	22.0	50.8	12.0	47.0
0380	38	22.5	22.0	53.7	12.0	50.3
0450	45	23.4	22.9	62.4	12.6	58.3
0550	55	29.8	29.3	76.0	13.2	69.6
0600	60	30.4	29.9	82.8	13.6	75.2
0650	65	31.0	30.5	87.6	14.0	80.9
0750	75	31.6	31.1	99.2	14.4	92.2
0800	80	32.3	31.8	106.0	14.7	97.8
1000	100	34.1	33.6	127.2	15.9	120.4

SSW04			
Code	Shaft ØD	ØD7	L4
0300	30	40.0	9.3
0350	35	44.5	9.2
0500	50	62.0	10.4
0700	70	85.0	14.1
0800	80	95.0	16.2

SSW04



SSW03



S87

