

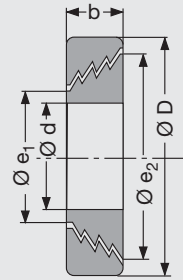
Simply specify seal type and dimensions.

Special dimensions on request.

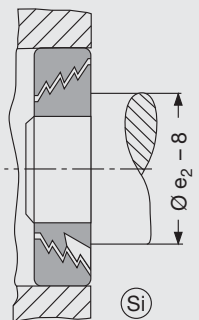
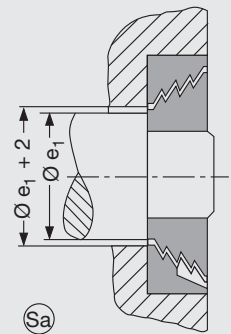
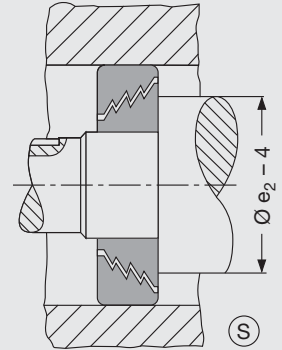
S_a = end play in mounted position (total axial movement of both rings from one end position to the other)

$S_a = 0.5 \text{ mm (0.02")}$ for all sizes

Dimensions



Mounting Dimensions



Type Ⓢ - Ⓢ _a - Ⓢ _i	d mm	D mm	b mm	e ₁ mm	e ₂ mm
10 x 30 x 10	10	30	10	14	25
10 x 32 x 10	10	32	10	14	25
12 x 30 x 10	12	30	10	14	25
12 x 32 x 10	12	32	10	14	25
12 x 35 x 10	12	35	10	19	30
12 x 37 x 10	12	37	10	19	30
15 x 35 x 10	15	35	10	19	30
15 x 37 x 10	15	37	10	19	30
15 x 40 x 10	15	40	10	24	35
15 x 42 x 10	15	42	10	24	35
16 x 35 x 10	16	35	10	19	30
16 x 37 x 10	16	37	10	19	30
16 x 40 x 10	16	40	10	24	35
16 x 42 x 10	16	42	10	24	35
17 x 35 x 10	17	35	10	19	30
17 x 37 x 10	17	37	10	19	30
17 x 40 x 10	17	40	10	24	35
17 x 42 x 10	17	42	10	24	35
17 x 47 x 10	17	47	10	31	42
17 x 52 x 10	17	52	10	31	42
18 x 40 x 10	18	40	10	24	35
18 x 42 x 10	18	42	10	24	35
20 x 40 x 10	20	40	10	24	35
20 x 42 x 10	20	42	10	24	35
20 x 47 x 10	20	47	10	31	42
20 x 52 x 10	20	52	10	31	42
22 x 40 x 10	22	40	10	24	35
22 x 42 x 10	22	42	10	24	35
22 x 47 x 10	22	47	10	31	42
22 x 52 x 10	22	52	10	31	42
25 x 47 x 10	25	47	10	31	42
25 x 52 x 10	25	52	10	31	42
25 x 62 x 10	25	62	10	46	57
25 x 65 x 10	25	65	10	46	57
26 x 47 x 10	26	47	10	31	42
26 x 52 x 10	26	52	10	31	42
27 x 47 x 10	27	47	10	31	42
27 x 52 x 10	27	52	10	31	42
28 x 47 x 10	28	47	10	31	42
28 x 52 x 10	28	52	10	31	42

Type Ⓢ - Ⓢ _a - Ⓢ _i	d mm	D mm	b mm	e ₁ mm	e ₂ mm
28 x 62 x 10	28	62	10	46	57
28 x 65 x 10	28	65	10	46	57
30 x 62 x 10	30	62	10	46	57
30 x 65 x 10	30	65	10	46	57
30 x 68 x 10	30	68	10	47	62
30 x 72 x 10	30	72	10	47	62
30 x 75 x 10	30	75	10	47	62
32 x 62 x 10	32	62	10	46	57
32 x 65 x 10	32	65	10	46	57
34 x 62 x 10	34	62	10	46	57
34 x 65 x 10	34	65	10	46	57
35 x 62 x 10	35	62	10	46	57
35 x 65 x 10	35	65	10	46	57
35 x 68 x 10	35	68	10	47	62
35 x 72 x 10	35	72	10	47	62
35 x 75 x 10	35	75	10	47	62
35 x 80 x 10	35	80	10	60	74
35 x 85 x 10	35	85	10	60	74
35 x 90 x 10	35	90	10	60	74
36 x 62 x 10	36	62	10	46	57
36 x 65 x 10	36	65	10	46	57
36 x 68 x 10	36	68	10	47	62
36 x 72 x 10	36	72	10	47	62
36 x 75 x 10	36	75	10	47	62
37 x 62 x 10	37	62	10	46	57
37 x 65 x 10	37	65	10	46	57
38 x 62 x 10	38	62	10	46	57
38 x 65 x 10	38	65	10	46	57
38 x 68 x 10	38	68	10	47	62
38 x 72 x 10	38	72	10	47	62
38 x 75 x 10	38	75	10	47	62
40 x 62 x 10	40	62	10	46	57
40 x 65 x 10	40	65	10	46	57
40 x 68 x 10	40	68	10	47	62
40 x 72 x 10	40	72	10	47	62
40 x 75 x 10	40	75	10	47	62
40 x 80 x 10	40	80	10	60	74
40 x 85 x 10	40	85	10	60	74
40 x 90 x 10	40	90	10	60	74

Mounting fits see page 12 – Tolerance Table page 22.

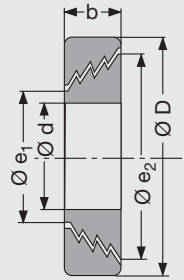
Simply specify seal type and dimensions.

Special dimensions on request.

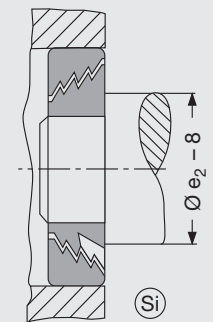
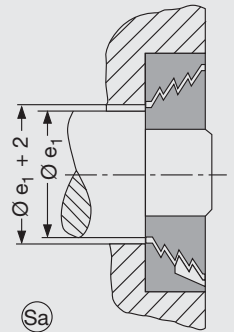
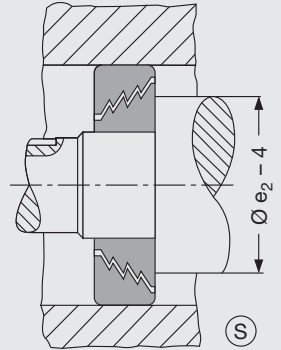
S_a = end play in mounted position (total axial movement of both rings from one end position to the other)

$S_a = 0.5 \text{ mm (0.02")}$ for all sizes

Dimensions



Mounting Dimensions



Type (S) - (Sa) - (Si)	d mm	D mm	b mm	e ₁ mm	e ₂ mm
42 x 62 x 10	42	62	10	46	57
42 x 65 x 10	42	65	10	46	57
42 x 68 x 10	42	68	10	47	62
42 x 72 x 10	42	72	10	47	62
42 x 75 x 10	42	75	10	47	62
44 x 62 x 10	44	62	10	46	57
44 x 65 x 10	44	65	10	46	57
45 x 80 x 10	45	80	10	60	74
45 x 85 x 10	45	85	10	60	74
45 x 90 x 10	45	90	10	60	74
45 x 95 x 12	45	95	12	72	89
45 x 100 x 12	45	100	12	72	89
48 x 80 x 10	48	80	10	60	74
48 x 85 x 10	48	85	10	60	74
48 x 90 x 10	48	90	10	60	74
50 x 80 x 10	50	80	10	60	74
50 x 85 x 10	50	85	10	60	74
50 x 90 x 10	50	90	10	60	74
50 x 95 x 12	50	95	12	72	89
50 x 100 x 12	50	100	12	72	89
50 x 110 x 12	50	110	12	87	104
50 x 115 x 12	50	115	12	87	104
52 x 80 x 10	52	80	10	60	74
52 x 85 x 10	52	85	10	60	74
52 x 90 x 10	52	90	10	60	74
55 x 80 x 10	55	80	10	60	74
55 x 85 x 10	55	85	10	60	74
55 x 90 x 10	55	90	10	60	74
55 x 95 x 12	55	95	12	72	89
55 x 100 x 12	55	100	12	72	89
55 x 120 x 15	55	120	15	96	114
55 x 125 x 15	55	125	15	96	114
55 x 130 x 15	55	130	15	96	114
56 x 80 x 10	56	80	10	60	74
56 x 85 x 10	56	85	10	60	74
56 x 90 x 10	56	90	10	60	74
60 x 95 x 12	60	95	12	72	89
60 x 100 x 12	60	100	12	72	89
60 x 110 x 12	60	110	12	87	104
60 x 115 x 12	60	115	12	87	104

Type (S) - (Sa) - (Si)	d mm	D mm	b mm	e ₁ mm	e ₂ mm
60 x 120 x 15	60	120	15	96	114
60 x 125 x 15	60	125	15	96	114
60 x 130 x 15	60	130	15	96	114
62 x 95 x 12	62	95	12	72	89
62 x 100 x 12	62	100	12	72	89
65 x 95 x 12	65	95	12	72	89
65 x 100 x 12	65	100	12	72	89
65 x 120 x 15	65	120	15	96	114
65 x 125 x 15	65	125	15	96	114
65 x 130 x 15	65	130	15	96	114
65 x 140 x 15	65	140	15	116	134
65 x 145 x 15	65	145	15	116	134
67 x 110 x 12	67	110	12	87	104
67 x 115 x 12	67	115	12	87	104
68 x 95 x 12	68	95	12	72	89
68 x 100 x 12	68	100	12	72	89
70 x 110 x 12	70	110	12	87	104
70 x 115 x 12	70	115	12	87	104
70 x 120 x 15	70	120	15	96	114
70 x 125 x 15	70	125	15	96	114
70 x 130 x 15	70	130	15	96	114
70 x 150 x 15	70	150	15	126	144
70 x 160 x 15	70	160	15	126	144
72 x 110 x 12	72	110	12	87	104
72 x 115 x 12	72	115	12	87	104
75 x 110 x 12	75	110	12	87	104
75 x 115 x 12	75	115	12	87	104
75 x 120 x 15	75	120	15	96	114
75 x 125 x 15	75	125	15	96	114
75 x 130 x 15	75	130	15	96	114
75 x 150 x 15	75	150	15	126	144
75 x 160 x 15	75	160	15	126	144
76 x 110 x 12	76	110	12	87	104
76 x 115 x 12	76	115	12	87	104
78 x 110 x 12	78	110	12	87	104
78 x 115 x 12	78	115	12	87	104
80 x 110 x 12	80	110	12	87	104
80 x 115 x 12	80	115	12	87	104
80 x 120 x 15	80	120	15	96	114
80 x 125 x 15	80	125	15	96	114

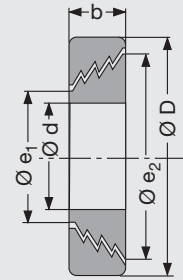
Simply specify seal type and dimensions.

Special dimensions on request.

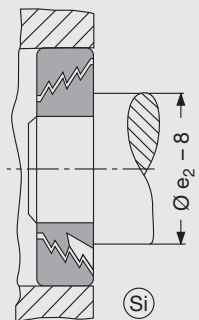
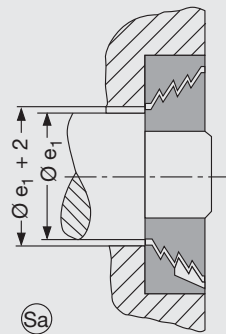
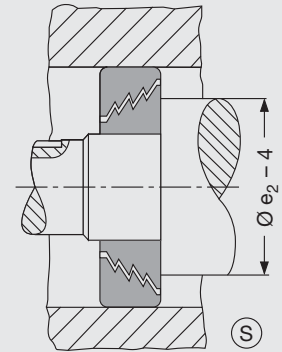
S_a = end play in mounted position (total axial movement of both rings from one end position to the other)

$S_a = 0.5 \text{ mm (0.02")}$ for all sizes

Dimensions



Mounting Dimensions



Type (S) - (Sa) - (Si)	d mm	D mm	b mm	e ₁ mm	e ₂ mm
80 x 130 x 15	80	130	15	96	114
80 x 140 x 15	80	140	15	116	134
80 x 145 x 15	80	145	15	116	134
80 x 170 x 15	80	170	15	146	164
80 x 180 x 15	80	180	15	146	164
82 x 110 x 12	82	110	12	87	104
82 x 115 x 12	82	115	12	87	104
85 x 120 x 15	85	120	15	96	114
85 x 125 x 15	85	125	15	96	114
85 x 130 x 15	85	130	15	96	114
85 x 150 x 15	85	150	15	126	144
85 x 160 x 15	85	160	15	126	144
85 x 170 x 15	85	170	15	146	164
85 x 180 x 15	85	180	15	146	164
90 x 120 x 15	90	120	15	96	114
90 x 125 x 15	90	125	15	96	114
90 x 130 x 15	90	130	15	96	114
90 x 140 x 15	90	140	15	116	134
90 x 145 x 15	90	145	15	116	134
90 x 150 x 15	90	150	15	126	144
90 x 160 x 15	90	160	15	126	144
90 x 190 x 15	90	190	15	166	184
90 x 200 x 15	90	200	15	166	184
95 x 140 x 15	95	140	15	116	134
95 x 145 x 15	95	145	15	116	134
95 x 170 x 15	95	170	15	146	164
95 x 180 x 15	95	180	15	146	164
95 x 190 x 15	95	190	15	166	184
95 x 200 x 15	95	200	15	166	184
100 x 140 x 15	100	140	15	116	134
100 x 145 x 15	100	145	15	116	134
100 x 150 x 15	100	150	15	126	144
100 x 160 x 15	100	160	15	126	144
100 x 190 x 15	100	190	15	166	184
100 x 200 x 15	100	200	15	166	184
105 x 140 x 15	105	140	15	116	134
105 x 145 x 15	105	145	15	116	134
105 x 150 x 15	105	150	15	126	144
105 x 160 x 15	105	160	15	126	144
110 x 140 x 15	110	140	15	116	134

Type (S) - (Sa) - (Si)	d mm	D mm	b mm	e ₁ mm	e ₂ mm
110 x 145 x 15	110	145	15	116	134
110 x 150 x 15	110	150	15	126	144
110 x 160 x 15	110	160	15	126	144
110 x 170 x 15	110	170	15	146	164
110 x 180 x 15	110	180	15	146	164
110 x 190 x 15	110	190	15	166	184
110 x 200 x 15	110	200	15	166	184
115 x 150 x 15	115	150	15	126	144
115 x 160 x 15	115	160	15	126	144
120 x 150 x 15	120	150	15	126	144
120 x 160 x 15	120	160	15	126	144
120 x 170 x 15	120	170	15	146	164
120 x 180 x 15	120	180	15	146	164
125 x 170 x 15	125	170	15	146	164
125 x 180 x 15	125	180	15	146	164
130 x 170 x 15	130	170	15	146	164
130 x 180 x 15	130	180	15	146	164
130 x 190 x 15	130	190	15	166	184
130 x 200 x 15	130	200	15	166	184
135 x 170 x 15	135	170	15	146	164
135 x 180 x 15	135	180	15	146	164
138 x 170 x 15	138	170	15	146	164
138 x 180 x 15	138	180	15	146	164
140 x 170 x 15	140	170	15	146	164
140 x 180 x 15	140	180	15	146	164
140 x 190 x 15	140	190	15	166	184
140 x 200 x 15	140	200	15	166	184
148 x 190 x 15	148	190	15	166	184
148 x 200 x 15	148	200	15	166	184
150 x 190 x 15	150	190	15	166	184
150 x 200 x 15	150	200	15	166	184
155 x 190 x 15	155	190	15	166	184
155 x 200 x 15	155	200	15	166	184
160 x 190 x 15	160	190	15	166	184
160 x 200 x 15	160	200	15	166	184

Design and dimensions are subject to changes

Mounting fits see page 12 – Tolerance Table page 22.