Category: Aeroseal Series

Another new gasket product manufactured by Thermody

Mechanical Seals ... Engineered for Performance

GENERAL MECHANICAL

AERO 2 SERIES - RUBBER BELLOWS SEALS

Thermody's rubber bellows seals are suitable for all rotary equipment including mixers, agitators, pumps and compressors. The single coil spring for non-clogging operation is excellent in slurry service and liquids that are likely to solidify during the standby of equipment.

The range of rubber bellows seals comes in both full or half convolute versions. The non-pusher design prevents shaft fretting and allows large end play and shaft tilts.

GENERAL MECHANICAL

AERO 2 SERIES - RUBBER BELLOWS SEALS

AERO 2-1

AERO 2-3

AERO 2-5

Category: Aeroseal Series

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GENERAL MECHANICAL

AERO 2 SERIES - RUBBER BELLOWS SEALS

AERO 2-81

AERO 2-82

GENERAL MECHANICAL

AERO 2 SERIES - RUBBER BELLOWS SEALS

AERO 2-84

AERO 2502

GENERAL PURPOSE MEDIUM DUTY MECHANICAL SEALS

AERO 4-1 & 4-5 UNBALANCED SEAL

The Aero 4-1 is an 'O' Ring seal while the 4-5 comes with a teflon wedge.

APPLICATION

Chemical processing, hydrocarbon processing industry, pulp and paper, wastewater, power generation and pharmaceutical

OPERATING LIMITS

Temperatures : 200 ^{o}C

Pressure : 15 kg/cm^2

Shaft Speed : 30 M/s

Category: Aeroseal Series

Another new gasket product manufactured by Thermody

GENERAL PURPOSE MEDIUM DUTY MECHANICAL SEALS

AERO 4-2 & 4-6 BALANCED SEAL

The Aero 4-2 is an 'O' Ring seal while the 4-6 comes with a teflon wedge.

APPLICATION

Chemical processing, hydrocarbon processing industry, pulp and paper, wastewater, power generation and pharmaceutical

OPERATING LIMITS

Temperatures : 200 ^{o}C
Pressure : 83 kg/cm^2
Shaft Speed : 30 M/s

OUTSIDE MOUNTED-WIDE APPLICATION PURPOSE MECHANICAL SEALS

AERO 5-0 'O' RING SEAL

The Aero 5 series are outside mounted Seals which are particularly suitable for chemically corrosive environments. The 5 series comes in two option, the Aero 5-0 which features Thermodyne's ear & slot drive features and its tapered carbon face, and the Aero 5-3 which is a teflon bellows seal.

OPERATING LIMITS

Temperatures : 204 ^{o}C
Pressure : 15 kg/cm^2
Shaft Speed : 18 M/s

OUTSIDE MOUNTED-WIDE APPLICATION PURPOSE MECHANICAL SEALS

AERO 5-3 TEFLON BELLOWS SEAL

The Aero 5 series are outside mounted Seals which are particularly suitable for chemically corrosive environments. The 5 series comes in two option, the Aero 5-0 which features Thermodyne's ear & slot drive features and its tapered carbon face, and the Aero 5-3 which is a teflon bellows seal.

OPERATING LIMITS

Temperatures : 204 ^{o}C
Pressure : 15 kg/cm^2
Shaft Speed : 18 M/s

Category: Aeroseal Series

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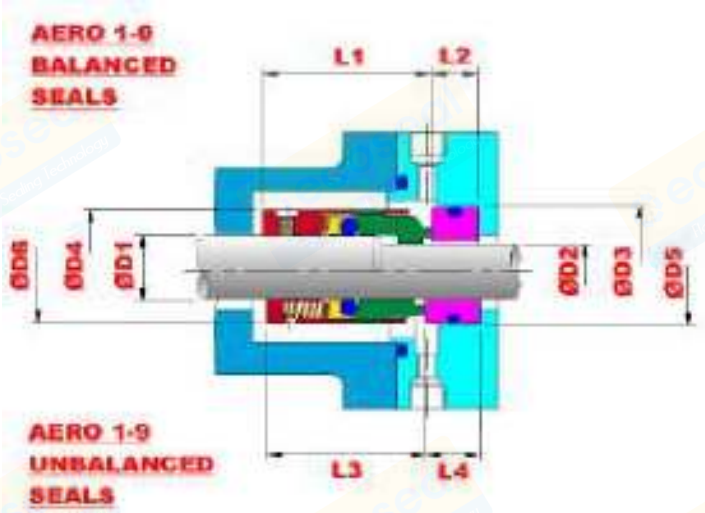

AERO Series 1 (1)

SEAL SIZE											
INCH	METRIC	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4
1.000	25.40	25.40	22.22	38.10	36.50	41.27	36.50	33.00	10.31	25.40	11.10
1.125	28.57	28.57	25.40	41.27	40.30	44.45	39.67	35.00	11.10	25.40	11.10
1.250	31.75	31.75	28.57	44.45	43.00	47.62	42.85	35.00	11.10	25.40	11.10
1.375	34.92	34.92	28.57	44.45	49.20	50.80	50.20	35.00	11.10	28.57	11.10
1.500	38.10	38.10	31.75	47.62	50.20	53.97	50.20	35.00	11.10	28.57	11.10
1.625	41.27	41.27	34.92	50.80	57.15	60.32	57.15	35.00	11.10	28.57	12.70
1.750	44.45	44.45	38.10	53.97	59.00	63.50	59.00	44.45	11.10	34.92	12.70
1.875	47.62	47.62	41.27	60.32	63.50	66.67	63.50	44.45	12.70	34.92	12.70
2.000	50.80	50.80	44.45	63.50	66.67	69.85	66.67	44.45	12.70	34.92	12.70
2.125	53.97	53.97	47.62	66.67	71.42	76.20	71.42	44.45	12.70	34.92	14.28
2.250	57.15	57.15	50.80	69.85	72.21	79.37	72.21	44.45	12.70	34.92	14.28
2.375	60.32	60.32	53.97	76.20	76.20	82.55	76.20	44.45	14.27	34.92	14.28
2.500	63.50	63.50	57.15	79.37	79.37	85.72	79.37	44.45	14.27	34.92	14.28
2.625	66.67	66.67	60.32	82.55	82.55	85.72	82.55	52.37	14.27	42.86	15.87
2.750	69.85	69.85	63.50	85.72	85.72	88.90	85.72	52.37	14.27	42.86	15.87

AERO Series 1 (2)

SEAL SIZE											
INCH	METRIC	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4
2.875	73.02	73.02	66.67	85.72	88.90	95.25	88.90	52.37	15.87	42.86	15.87
3.000	76.20	76.20	69.85	88.90	92.07	98.42	92.07	52.37	15.87	42.86	15.87
3.125	79.37	79.37	73.02	95.25	95.25	101.60	95.25	52.37	15.87	42.86	19.84
3.250	82.55	82.55	76.20	98.42	98.42	104.77	98.42	52.37	15.87	42.86	19.84
3.375	85.72	85.72	79.37	101.60	101.60	107.95	101.60	52.37	19.84	42.86	19.84
3.500	88.90	88.90	82.55	104.77	104.77	111.12	104.77	52.37	19.84	42.86	19.84
3.625	92.07	92.07	85.72	107.95	107.95	114.30	107.95	52.37	19.84	42.86	19.84
3.750	95.25	95.25	88.90	111.12	111.12	117.47	111.12	52.37	19.84	42.86	19.84
3.875	98.42	98.42	92.07	114.30	114.30	120.65	114.30	52.37	19.84	42.86	19.84
4.000	101.60	101.60	95.25	117.47	117.47	123.82	117.48	52.37	19.84	42.86	19.84
4.125	104.77	104.77	98.42	120.65	127.00	127.00	127.00	52.37	19.84	42.86	19.84
4.250	107.95	107.95	101.60	123.82	130.17	130.18	130.18	52.37	19.84	42.86	19.84
4.375	111.12	111.12	104.77	130.18	133.35	133.35	133.35	52.37	19.84	42.86	19.84
4.500	114.30	114.30	107.95	133.35	136.52	136.52	136.52	52.37	19.84	42.86	19.84

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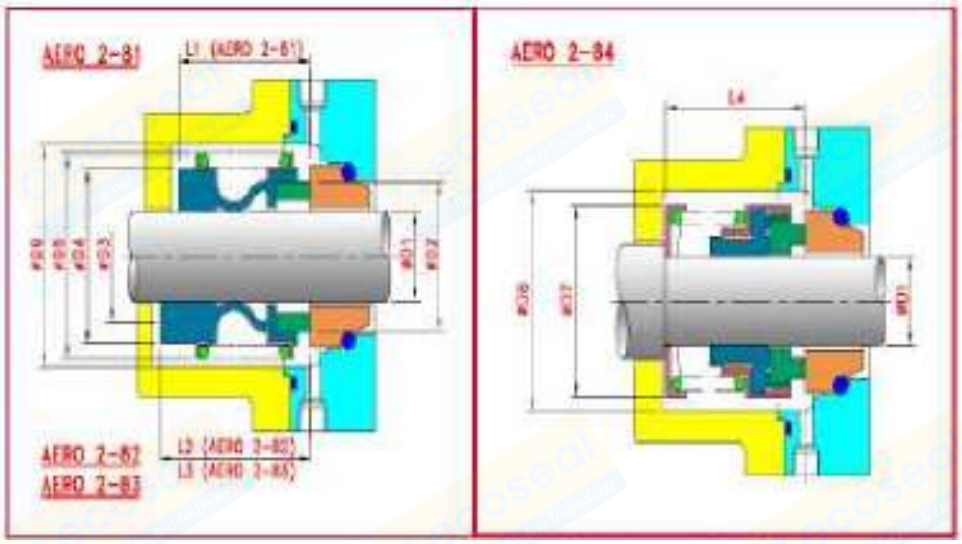

AERO 2-81, 2-82, 2-83 & 2-84

SEAL SIZE (MM)	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4
10	10	15.7	18	20.5	22.5	24	-	-	14.5	25.9	33.4	-
12	12	18.2	20	22.5	25.0	26	-	-	15.0	25.9	33.4	-
14	14	20.8	22	26.5	28.5	30	24	26	17.0	28.4	33.4	23.0
15	15	20.8	22	26.5	28.5	30	26	28	17.0	28.4	33.4	23.0
16	16	21.0	22	26.5	28.5	30	32	34	17.0	28.4	33.4	24.0
18	18	23.7	26	29.0	32.0	33	34	36	19.5	30.0	37.5	20.0
20	20	26.7	28	33.0	37.0	36	36	38	21.5	30.0	37.5	24.0
22	22	27.7	28	33.0	37.0	36	38	40	21.5	30.0	37.5	28.7
24	24	31.2	32	38.0	42.5	44	39	41	22.5	32.5	42.5	27.0
25	25	31.2	32	38.0	42.5	44	42	44	23.0	32.5	42.5	30.0
28	28	35.0	37	44.0	49.0	50	44	46	26.5	35.0	42.5	30.5
30	30	37.0	37	44.0	49.0	50	46	48	26.5	35.0	42.5	30.5
32	32	40.2	41	46.0	53.5	55	47	49	27.5	35.0	47.5	30.5
33	33	40.2	41	46.0	53.5	55	49	51	27.5	35.0	47.5	30.5
35	35	43.2	44	50.0	57.0	59	54	56	28.5	35.0	47.5	32.0
38	38	46.2	47	53.0	59.0	61	56	60	30.0	36.0	46.0	32.0
40	40	48.8	49	55.0	62.0	64	59	63	30.0	36.0	46.0	32.0
43	43	51.8	53	58.0	65.5	67	61	65	30.0	36.0	51.0	32.0

AERO 2-81, 2-82, 2-83 & 2-84

SEAL SIZE (MM)	D1	D2	D3	D4	D5	D6	D7	D8	L1	L2	L3	L4
45	45	53.8	55	60.0	68.0	70	64	68	30.0	36.0	51.0	32.0
48	48	56.8	58	63.0	70.5	74	66	70	30.5	36.0	51.0	34.0
50	50	58.8	60	65.0	74.0	77	69	73	30.5	38.0	50.5	34.0
53	53	62.2	63	70.0	78.5	81	71	75	33.0	36.5	59.0	34.0
55	55	64.2	65	72.0	81.0	83	78	83	35.0	36.5	59.0	39.0
58	58	67.2	68	75.0	85.5	88	80	85	37.0	41.5	59.0	39.0
60	60	70.0	70	79.0	88.5	91	83	88	38.0	41.5	59.0	39.0
65	65	75.0	77	84.0	93.5	96	85	90	40.0	41.5	59.0	39.0
68	68	78.0	80	88.0	96.5	100	88	93	40.0	41.2	68.7	39.0
70	70	80.0	82	90.0	99.5	103	89	95	40.0	48.7	68.7	45.5
75	75	85.5	87	95.0	107.0	110	96	104	40.0	48.7	68.7	45.5
80	80	90.5	92	100.0	112.0	116	104	109	40.0	48.0	78.0	45.0
85	85	96.0	97	107.0	120.0	124	108	114	41.0	46.0	76.0	45.0
90	90	102.0	104	114.0	127.0	131	114	119	45.0	51.0	76.0	50.0
95	95	107.0	109	119.0	132.0	136	118	124	46.0	51.0	76.0	50.0
100	100	112.0	114	124.0	137.0	140	124	129	47.0	51.0	76.0	50.0

Category: Aeroseal Series

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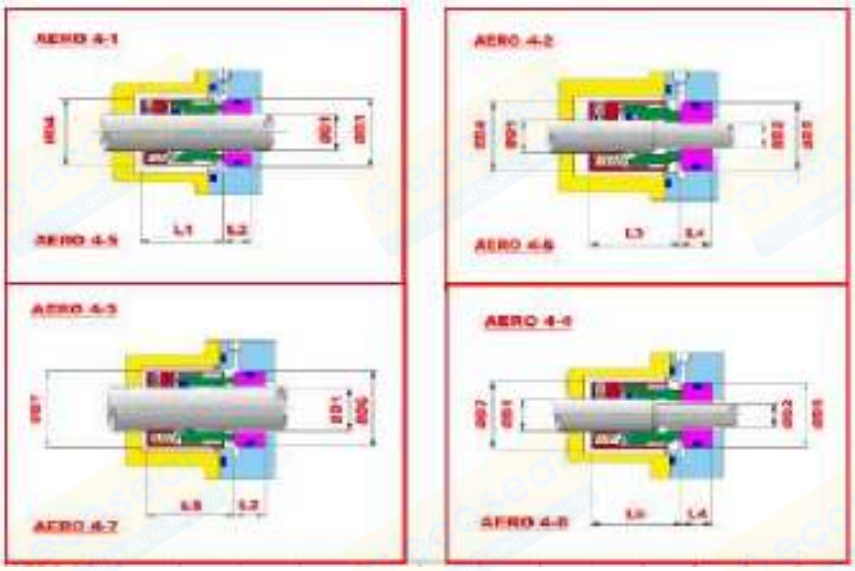

AERO 4 Series

SEAL SIZE														
INCH	METRIC	D1	D2	D3	D4	D5	D6	D7	L1	L2	L3	L4	L5	L6
1.000	25.40	25.40	22.22	41.27	39.67	38.10	36.50	36.50	25.40	11.10	33.33	10.31	25.40	33.33
1.125	28.57	28.57	25.40	44.45	42.85	41.27	39.67	39.67	26.97	11.10	34.92	11.10	25.40	34.92
1.250	31.75	31.75	28.57	47.63	47.63	44.45	42.85	42.85	26.97	11.10	34.92	11.10	25.40	34.92
1.375	34.92	34.92	28.57	50.80	50.80	44.45	49.20	49.20	28.57	11.10	36.50	11.10	34.92	42.85
1.500	38.10	38.10	31.75	53.97	53.97	47.62	49.20	49.20	28.57	11.10	36.50	11.10	28.57	36.50
1.625	41.27	41.27	34.92	60.32	60.32	50.80	57.15	57.15	34.92	12.70	44.45	11.10	29.36	40.46
1.750	44.45	44.45	38.10	63.50	63.50	53.97	58.72	58.72	34.92	12.70	44.45	11.10	34.92	44.45
1.875	47.62	47.62	41.27	66.67	66.67	60.32	63.50	63.50	34.92	12.70	44.45	12.70	34.92	44.45
2.000	50.80	50.80	44.45	69.75	69.75	63.50	66.67	66.67	34.92	12.70	44.45	12.70	34.92	44.45
2.125	53.97	53.97	47.62	76.20	76.20	66.67	71.42	71.42	42.86	14.28	52.37	12.70	42.86	52.37
2.250	57.15	57.15	50.80	79.37	79.37	69.85	71.42	72.21	42.86	14.28	52.37	12.70	34.92	44.45
2.375	60.32	60.32	53.97	82.55	82.55	76.20	76.20	76.20	42.86	14.28	52.37	14.27	42.86	52.37
2.500	63.50	63.50	57.15	85.72	85.72	79.37	79.37	79.37	42.86	14.28	52.37	14.27	34.92	44.45
2.625	66.67	66.67	60.32	85.72	88.90	82.55	82.55	82.55	42.86	15.87	52.37	14.27	42.86	52.37

SEAL SIZE														
INCH	METRIC	D1	D2	D3	D4	D5	D6	D7	L1	L2	L3	L4	L5	L6
2.750	69.85	69.85	63.50	88.90	92.07	85.72	85.72	85.72	42.86	15.87	52.37	14.27	42.86	52.37
2.875	73.02	73.02	66.67	95.25	95.25	85.72	88.90	88.90	42.86	15.87	52.37	15.87	42.86	52.37
3.000	76.20	76.20	69.85	98.42	96.82	88.90	92.07	92.07	42.86	15.87	52.37	15.87	42.86	52.37
3.125	79.37	79.37	73.02	101.60	100.00	95.25	95.25	95.25	42.86	19.84	52.37	15.87	42.86	52.37
3.250	82.55	82.55	76.20	104.77	104.77	98.42	98.43	98.42	42.86	19.84	52.37	15.87	42.86	52.37
3.375	85.72	85.72	79.37	107.95	107.95	101.60	101.60	101.60	42.86	19.84	52.37	19.84	42.86	52.37
3.500	88.90	88.90	82.55	111.12	111.12	104.77	104.77	104.77	42.86	19.84	52.37	19.84	42.86	52.37
3.625	92.07	92.07	85.72	114.30	114.30	107.95	107.95	107.95	42.86	19.84	52.37	19.84	42.86	52.37
3.750	95.25	95.25	88.90	117.47	117.47	111.12	111.12	111.12	42.86	19.84	52.37	19.84	42.86	52.37
3.875	98.42	98.42	92.07	120.65	120.65	114.30	114.30	114.30	42.86	19.84	52.37	19.84	42.86	52.37
4.000	101.60	101.60	95.25	123.82	123.82	117.47	117.48	117.47	42.86	19.84	52.37	19.84	42.86	52.37
4.125	104.78	104.77	-	-	-	-	127.00	127.00	-	19.84	-	-	42.86	-
4.250	107.95	107.95	-	-	-	-	130.18	130.18	-	19.84	-	-	42.86	-
4.375	111.13	111.12	-	-	-	-	133.35	133.35	-	19.84	-	-	42.86	-
4.500	114.30	114.30	-	-	-	-	136.52	136.52	-	19.84	-	-	42.86	-

Category: Aeroseal Series

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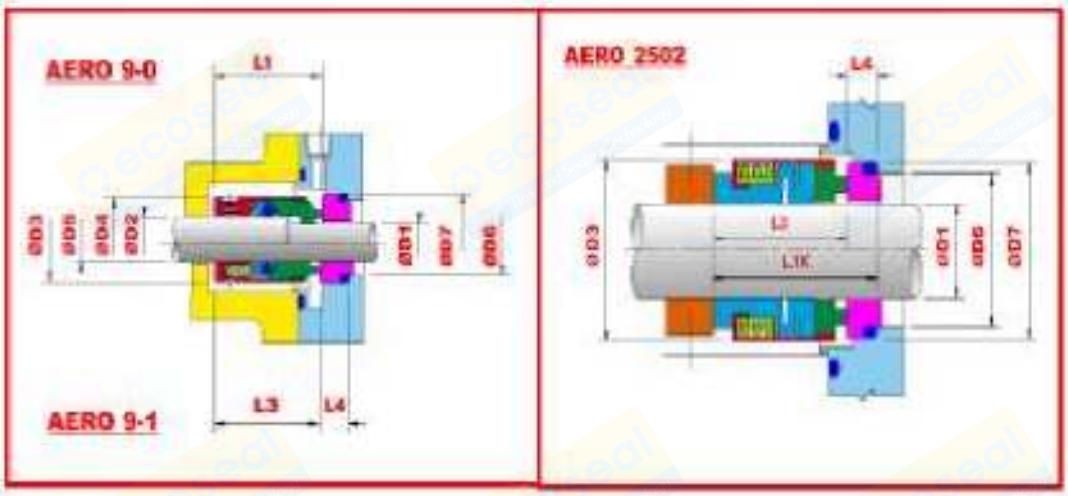

AERO 9 AND AERO 2502 Series											
SEAL SIZE											
(MM)	D1	D2	D3	D4	D5	D6	D7	L1	L3	L4	L1K
10	-	-	-	-	10	-	-	-	20.50	12.00	-
12	-	-	-	-	12	-	-	-	20.50	12.00	-
14	14	18	24	32	14	21	25	30.50	23.00	12.00	35
16	16	20	26	34	16	23	27	30.50	23.00	12.00	35
18	18	22	32	36	18	27	33	31.50	24.00	13.50	37.5
20	20	24	34	38	20	29	35	31.50	24.00	13.50	37.5
22	22	26	36	40	22	31	37	31.50	24.00	13.50	37.5
24	24	28	38	42	24	33	39	34.20	26.50	13.20	40
26	26	30	40	44	26	34	40	34.50	27.00	13.00	40
28	28	33	42	47	28	37	43	37.50	30.00	12.50	42.5
30	30	35	44	49	30	39	45	38.00	30.50	12.00	42.5
32	32	35	47	54	32	42	48	38.00	30.50	12.00	42.5
33	33	38	49	54	33	42	48	38.00	30.50	12.00	42.5
35	35	40	54	56	35	44	50	38.00	30.50	12.00	42.5
38	38	43	54	59	38	49	56	39.50	32.00	13.00	45
40	40	45	56	61	40	51	58	39.50	32.00	13.00	45
43	43	48	59	64	43	54	61	39.50	32.00	13.00	45
45	45	50	61	66	45	56	63	39.50	32.00	13.00	45
48	48	53	64	69	48	59	66	39.50	32.00	13.00	45
50	50	55	66	71	50	62	70	44.00	34.00	13.50	47.5

AERO 9 AND AERO 2502 Series											
SEAL SIZE											
(MM)	D1	D2	D3	D4	D5	D6	D7	L1	L3	L4	L1K
53	53	58	69	78	53	65	73	44.00	34.00	13.50	47.5
55	55	60	71	80	55	67	75	44.00	34.00	13.50	52.5
58	58	63	78	83	58	70	78	49.00	39.00	13.50	52.5
60	60	65	80	85	60	72	80	49.00	39.00	13.50	52.5
63	63	68	83	88	63	75	83	49.00	39.00	13.50	52.5
65	65	70	85	90	65	77	85	49.00	39.00	13.50	52.5
68	-	-	88	-	68	81	90	-	39.00	13.50	52.5
70	70	75	90	95	70	83	92	55.50	40.50	14.50	60
75	75	80	95	104	75	88	97	55.50	40.50	14.50	60
80	80	85	104	109	80	95	105	55.00	40.00	15.00	60
85	85	90	109	114	85	100	110	60.00	40.00	15.00	60
90	90	95	114	119	90	105	115	60.00	50.00	15.00	65
95	95	100	119	124	95	110	120	60.00	50.00	15.00	65
100	100	105	124	129	100	115	125	60.00	50.00	15.00	65
105	-	-	-	-	-	-	-		-	-	-

Category: Aeroseal Series

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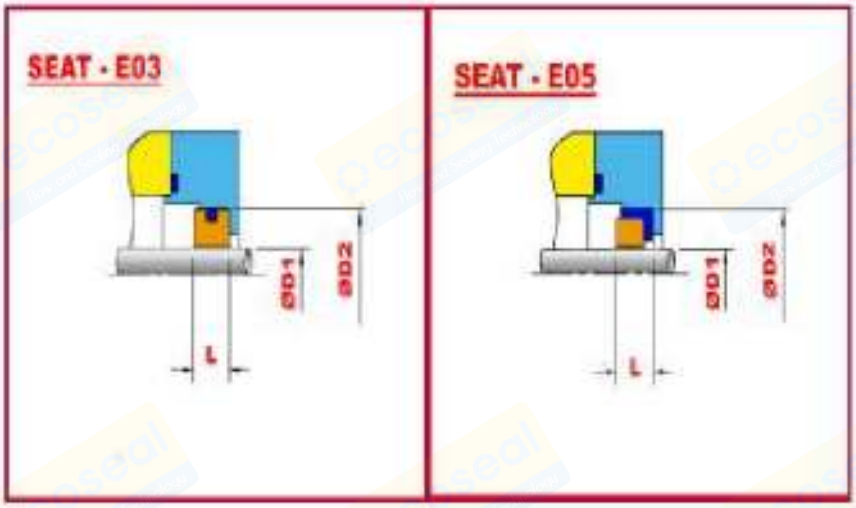
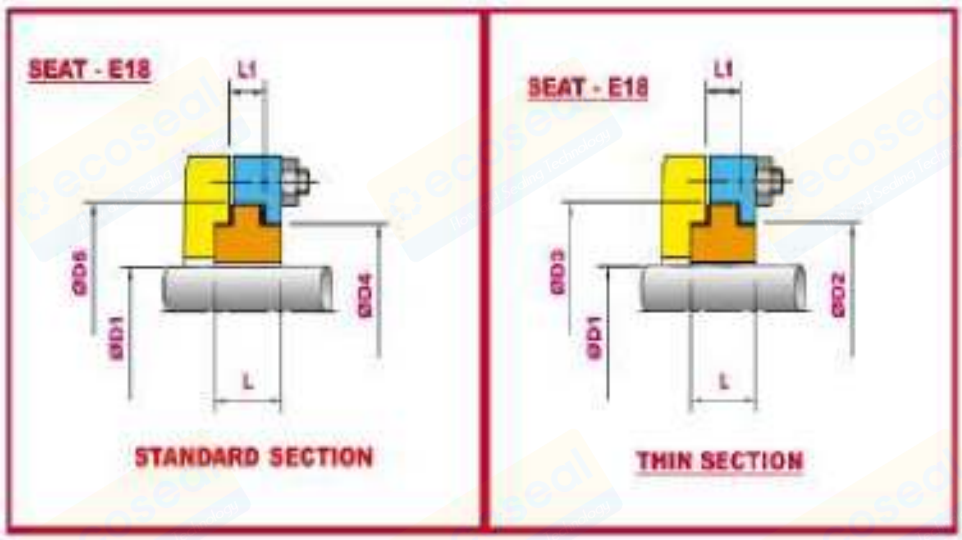


SEAT E03 AND E05				
SEAT SIZE				
INCH	METRIC	D1	D2	L
0.875	22.23	22.23	38.10	10.31
1.000	25.40	25.40	41.27	11.10
1.125	28.57	28.57	44.45	11.10
1.250	31.75	31.75	47.62	11.10
1.375	34.92	34.92	50.80	11.10
1.500	38.10	38.10	53.97	11.10
1.625	41.27	41.27	60.32	12.70
1.750	44.45	44.45	63.50	12.70
1.875	47.62	47.62	66.67	12.70
2.000	50.80	50.80	69.85	12.70
2.125	53.97	53.97	76.20	14.28
2.250	57.15	57.15	79.37	14.28
2.375	60.32	60.32	82.55	14.28
2.500	63.50	63.50	85.72	14.28
2.625	66.67	66.67	85.72	15.87
2.750	69.85	69.85	88.90	15.87

SEAT E03 AND E05				
SEAT SIZE				
INCH	METRIC	D1	D2	L
2.875	73.02	73.02	95.25	15.87
3.000	76.20	76.20	98.42	15.87
3.125	79.37	79.37	101.60	19.84
3.250	82.55	82.55	104.77	19.84
3.375	85.72	85.72	107.95	19.84
3.500	88.90	88.90	111.12	19.84
3.625	92.07	92.07	114.30	19.84
3.750	95.25	95.25	117.47	19.84
3.875	98.42	98.42	120.65	19.84
4.000	101.60	101.60	123.82	19.84
4.125	104.77	104.77	127.00	19.84
4.250	107.95	107.95	130.18	19.84
4.375	111.12	111.12	133.35	19.84
4.500	114.30	114.30	136.52	19.84

Category: Aeroseal Series

Another new gasket product manufactured by Thermody



SEAT E18

SEAT SIZE								
INCH	METRIC	D1	D2	D3	D4	D5	L	L1
1.000	25.40	25.40	39.69	50.00	44.45	54.77	20.64	12.70
1.125	28.57	28.57	42.86	53.20	47.62	57.94	20.64	12.70
1.250	31.75	31.75	46.04	56.36	50.80	61.12	20.64	12.70
1.375	34.92	34.92	52.39	65.88	53.97	67.47	22.22	12.70
1.500	38.10	38.10	52.39	65.88	57.15	70.64	22.22	12.70
1.625	41.27	41.27	60.32	73.82	63.50	77.00	22.22	12.70
1.750	44.45	44.45	61.91	75.40	66.67	80.17	22.22	12.70
1.875	47.62	47.62	66.67	80.17	69.85	83.34	22.22	12.70
2.000	50.80	50.80	69.85	86.52	73.03	89.69	25.40	15.87
2.125	53.97	53.97	74.61	91.30	79.37	96.04	25.40	15.87
2.250	57.15	57.15	75.40	92.07	82.55	99.22	25.40	15.87
2.375	60.32	60.32	79.37	96.05	85.73	102.40	25.40	15.87
2.500	63.50	63.50	82.55	99.22	88.90	105.57	25.40	15.87

SEAT E18

SEAT SIZE								
INCH	METRIC	D1	D2	D3	D4	D5	L	L1
2.625	66.67	66.67	85.72	102.40	92.07	108.74	25.40	15.87
2.750	69.85	69.85	88.90	105.57	95.25	111.92	25.40	15.87
2.875	73.02	73.02	92.07	108.75	98.43	115.09	25.40	15.87
3.000	76.20	76.20	95.25	111.92	101.60	117.27	25.40	15.87
3.125	79.37	79.37	98.42	115.10	103.19	119.86	25.40	15.87
3.250	82.55	82.55	101.60	118.27	107.95	124.62	25.40	15.87
3.375	85.72	85.72	104.77	121.45	111.13	127.80	25.40	15.87
3.500	88.90	88.90	107.95	124.62	114.30	130.97	25.40	15.87
3.625	92.07	92.07	111.12	127.80	117.47	134.14	25.40	15.87
3.750	95.25	95.25	114.30	130.97	120.65	137.32	25.40	15.87
3.875	98.42	98.42	117.47	134.15	123.82	140.50	25.40	15.87
4.000	101.60	101.60	120.65	137.32	127.00	143.67	25.40	15.87