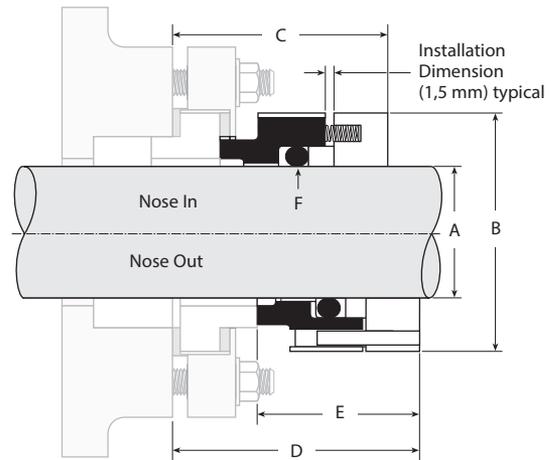


# 440 Non-Metallic External Single Seal – Metric

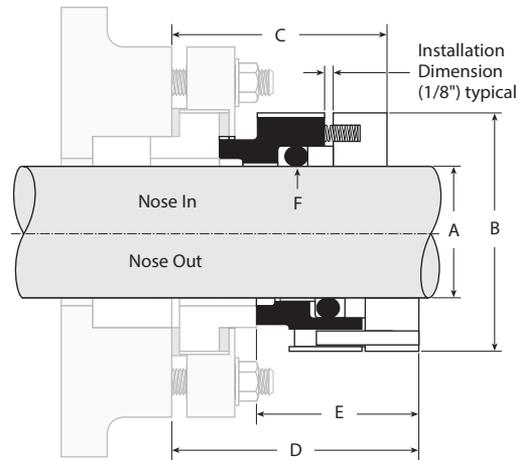


**Key**

- A – Shaft Size
- B – Seal Diameter
- C – Distance to First Obstruction L-shape Nose In
- D – Distance to First Obstruction L-shape Nose Out
- E – Installed Length of Rotary Seal
- F – O-Ring

A	B	C	D	E	F
24	49,2	49	55,5	38,0	317
25	50,0	49	55,5	38,0	318
28	54,0	49	55,5	38,0	320
30	57,2	49	55,5	38,0	321
32	57,2	49	55,5	38,0	322
35	60,3	49	55,5	38,0	324
38	63,5	49	55,5	38,0	325
40	66,7	49	55,5	38,0	326
42	69,9	49	55,5	38,0	326
45	69,9	49	55,5	38,0	327
48	73,0	49	55,5	38,0	328
50	76,2	49	55,5	38,0	329
55	79,4	49	55,5	38,0	331
60	85,7	49	55,5	38,0	332
65	92,1	49	55,5	38,0	334
70	98,0	62	68,5	41,5	335
75	104,4	62	68,5	41,5	337
80	108,2	62	68,5	41,5	338
85	113,8	62	68,5	41,5	340
90	118,1	62	68,5	41,5	342
95	123,4	62	68,5	41,5	343
100	128,3	62	68,5	41,5	345
110	139,2	62	68,5	41,5	348

# 440 Non-Metallic External Single Seal – Inch

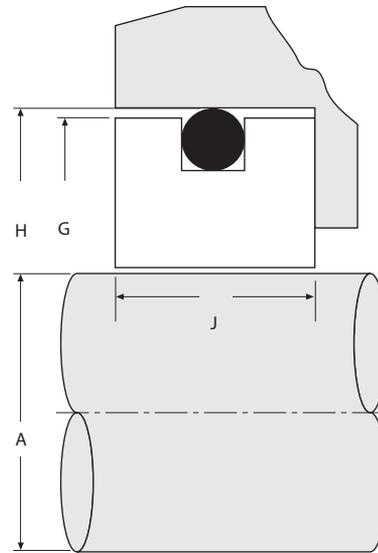


**Key**

- A – Shaft Size
- B – Seal Diameter
- C – Distance to First Obstruction L-shape Nose In
- D – Distance to First Obstruction L-shape Nose Out
- E – Installed Length of Rotary Seal
- F – O-Ring

A	B	C	D	E	F
0.937	1.937	1.937	2.187	1.500	317
1.000	2.000	1.937	2.187	1.500	318
1.125	2.125	1.937	2.187	1.500	320
1.250	2.250	1.937	2.187	1.500	322
1.375	2.375	1.937	2.187	1.500	324
1.437	2.500	1.937	2.187	1.500	325
1.500	2.500	1.937	2.187	1.500	325
1.625	2.625	1.937	2.187	1.500	326
1.750	2.750	1.937	2.187	1.500	327
1.875	2.875	1.937	2.187	1.500	328
2.000	3.000	1.937	2.187	1.500	329
2.125	3.125	1.937	2.187	1.500	330
2.250	3.250	1.937	2.187	1.500	331
2.375	3.375	1.937	2.187	1.500	332
2.500	3.500	1.937	2.187	1.500	333
2.625	3.625	1.937	2.187	1.500	334
2.750	3.850	2.437	2.687	1.625	335
2.875	3.980	2.437	2.687	1.625	336
3.000	4.110	2.437	2.687	1.625	337
3.125	4.230	2.437	2.687	1.625	338
3.250	4.360	2.437	2.687	1.625	339
3.375	4.480	2.437	2.687	1.625	340
3.500	4.610	2.437	2.687	1.625	341
3.625	4.730	2.437	2.687	1.625	342
3.750	4.860	2.437	2.687	1.625	343
3.875	4.980	2.437	2.687	1.625	344
4.000	5.110	2.437	2.687	1.625	345
4.125	5.230	2.437	2.687	1.625	346
4.250	5.360	2.437	2.687	1.625	347
4.375	5.480	2.437	2.687	1.625	348
4.500	5.610	2.437	2.687	1.625	349

# O-Ring MOUNT *Stationary Seal Ring – Inch*

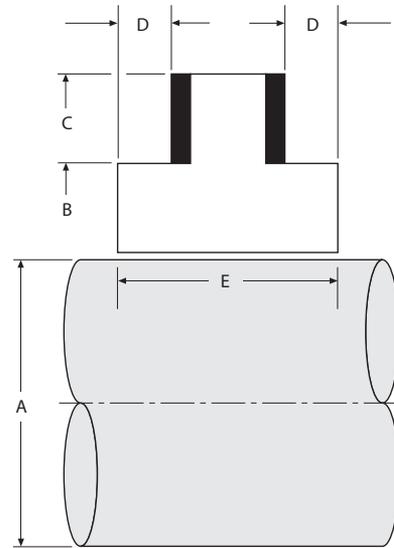
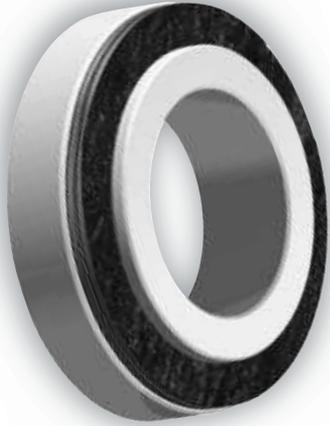


Key			
A – Shaft Size	G – Seal Diameter	H – Bore Diameter	J – Seal Face Length

A	G	H	J
0.625*	1.235	1.250	0.416
0.750*	1.360	1.375	0.416
0.875*	1.485	1.500	0.416
1.000	1.610	1.625	0.439
1.125	1.735	1.750	0.439
1.250	1.860	1.875	0.439
1.375	1.985	2.000	0.439
1.500	2.110	2.125	0.439
1.625	2.360	2.375	0.502
1.750	2.485	2.500	0.502
1.875	2.610	2.625	0.502
2.000	2.735	2.750	0.502
2.125	2.985	3.000	0.564
2.250	3.110	3.125	0.564
2.375	3.235	3.250	0.564
2.500	3.360	3.375	0.564
2.625	3.360	3.375	0.627
2.750	3.485	3.500	0.627
2.875	3.735	3.750	0.627
3.000	3.860	3.875	0.627
3.125	3.985	4.000	0.783
3.250	4.110	4.125	0.783
3.375	4.235	4.250	0.783
3.500	4.360	4.375	0.783
3.625	4.485	4.500	0.783
3.750	4.610	4.625	0.783
3.875	4.735	4.750	0.783
4.000	4.860	4.875	0.783
4.250	5.235	5.250	0.783
4.500	5.485	5.500	0.783
4.750	5.735	5.750	0.783
5.000	5.985	6.000	0.783
5.250	6.235	6.250	0.783
5.500	6.485	6.500	0.783
5.750	6.735	6.750	0.783
6.000	6.985	7.000	0.783

\* These sizes available only in ceramic

# T-SHAPE Stationary Seal Ring – Inch

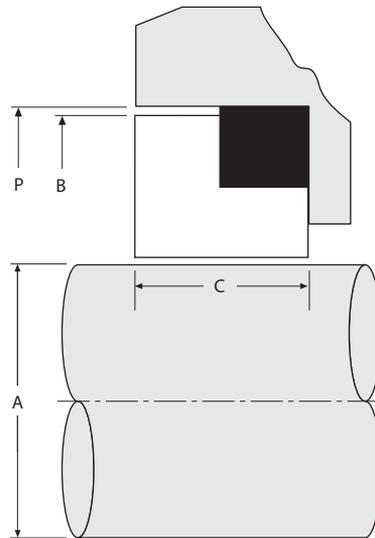


**Key**

A – Shaft Size                      B – Bore Diameter                      C – Seal Face Diameter                      D – Bore Depth                      E – Seal Face Length

A	B	C	D	E
0.625	–	1.63	–	–
0.750	–	1.75	–	–
0.875	–	1.88	–	–
0.938	1.557	1.94	0.19	0.75
1.000	1.620	2.09	0.25	0.88
1.125	1.745	2.22	0.25	0.88
1.188	–	2.44	0.25	0.88
1.250	1.870	2.34	0.25	0.88
1.375	1.995	2.41	0.25	0.88
1.438	2.166	2.56	–	–
1.500	2.245	2.72	0.25	0.88
1.625	2.370	2.84	0.25	0.88
1.750	2.495	3.09	0.25	0.88
1.875	2.620	3.22	0.25	0.88
2.000	2.745	3.47	0.25	0.88
2.125	2.870	3.72	0.25	0.88
2.250	2.995	3.84	0.25	0.88
2.375	3.057	3.88	0.25	0.88
2.500	3.245	4.09	0.25	0.88
2.625	3.370	4.22	0.25	0.88

# SQUARE MOUNT *Stationary Seal Ring – Inch*



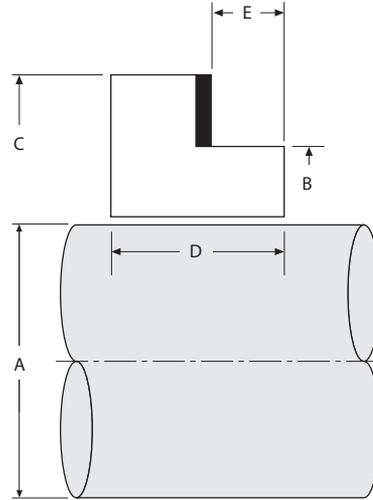
**Key**

A – Shaft Size                      B – Seal Face Diameter                      C – Seal Face Length                      P – Seal Chamber Bore

A	B	BORE DIAMETER *								C
		P DIA	P DIA	P DIA	P DIA	P DIA	P DIA	P DIA	P DIA	
1.000	1.613	1.625	1.688	1.750	1.812	1.875	2.000	2.062	–	0.437
1.125	1.738	1.750	1.791	1.796	1.812	1.875	1.937	2.062	–	0.437
1.250	1.863	1.875	1.937	2.000	2.032	2.062	2.250	–	–	0.437
1.375	1.988	2.000	2.031	2.062	2.125	2.110	2.143	2.375	2.406	0.437
1.500	2.113	2.125	2.156	2.188	2.250	2.312	2.625	–	–	0.437
1.625	2.363	2.375	2.437	2.468	2.500	2.625	2.750	–	–	0.485
1.750	2.488	2.500	2.578	2.625	3.312	–	–	–	–	0.485
1.875	2.613	2.625	2.660	2.750	2.875	3.000	–	–	–	0.485
2.000	2.738	2.750	2.875	2.937	3.000	3.060	–	–	–	0.485
2.125	2.800	2.812	2.844	2.875	3.000	3.143	3.250	–	–	0.485
2.250	3.113	3.125	3.375	–	–	–	–	–	–	0.485
2.375	3.238	3.250	3.375	–	–	–	–	–	–	0.485
2.500	3.363	3.375	3.406	3.500	3.625	3.750	–	–	–	0.485
2.625	3.363	3.375	3.500	3.625	3.750	–	–	–	–	0.485

\* P – Is the bore diameter required for various stationary boots

# L-SHAPE Stationary Seal Ring – Metric

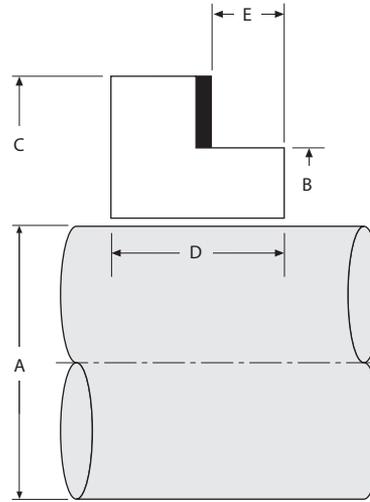
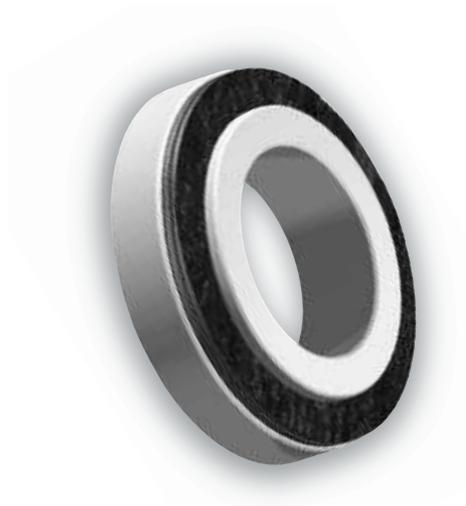


**Key**

A – Shaft Size      B – Seal Face Minor Diameter      C – Seal Face Diameter      D – Seal Face Length      E – Nose Length

A	B	C	D	E
18	33,9	46,0	17	6,6
20	35,9	48,0	17	6,6
22	37,9	50,0	17	6,6
24	39,9	53,2	17	6,6
25	40,9	53,2	17	6,6
28	43,9	56,4	17	6,6
30	45,9	59,5	17	6,6
32	47,9	59,5	17	6,6
33	48,9	59,5	17	6,6
35	50,9	61,1	17	6,6
38	57,9	68,9	17	6,6
40	59,9	72,1	17	6,6
42	61,9	72,1	17	6,6
43	62,9	78,5	17	6,6
45	64,9	78,5	17	6,6
48	67,9	81,6	17	6,6
50	69,9	81,6	17	6,6
53	72,9	88,0	17	6,6
55	74,9	94,3	17	6,6
60	84,9	98,2	20	6,6
65	89,9	106,9	20	6,6
70	94,9	110,7	25	6,6
75	103,9	115,5	25	6,6
80	108,9	123,4	25	6,6
85	113,9	126,6	25	6,6
90	118,9	133,0	25	6,6
95	123,9	136,1	25	6,6
100	128,9	142,5	25	6,6
110	138,9	155,2	25	6,6

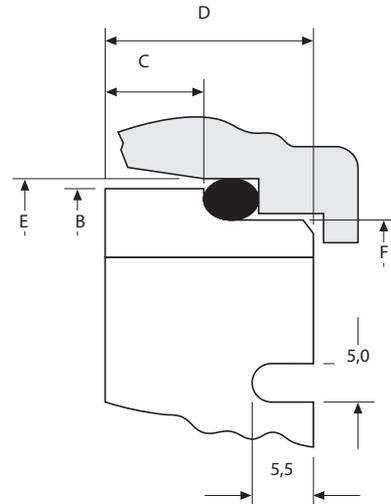
# L-SHAPE Stationary Seal Ring – Inch



Key				
A – Shaft Size	B – Seal Face Minor Diameter	C – Seal Face Diameter	D – Seal Face Length	E – Nose Length

A	B	C	D	E
0.625	—	1.63	0.500	0.25
0.750	—	1.75	0.500	0.25
0.875	—	1.88	0.500	0.25
0.938	1.557	1.94	0.625	0.25
1.000	1.620	2.09	0.625	0.25
1.125	1.745	2.22	0.625	0.25
1.188	1.870	2.44	0.625	0.25
1.250	1.870	2.34	0.625	0.25
1.375	1.995	2.41	0.625	0.25
1.438	2.166	2.56	0.625	0.25
1.500	2.245	2.72	0.625	0.25
1.625	2.370	2.84	0.625	0.25
1.750	2.495	3.09	0.625	0.25
1.875	2.620	3.22	0.625	0.25
2.000	2.745	3.47	0.625	0.25
2.125	2.870	3.72	0.62	0.25
2.250	2.995	3.84	0.625	0.25
2.375	3.057	3.88	0.625	0.25
2.500	3.245	4.09	0.625	0.25
2.625	3.370	4.22	0.625	0.25
2.750	3.615	4.38	1.000	0.25
2.875	3.740	4.50	1.000	0.25
3.000	3.865	4.56	1.000	0.25
3.125	3.990	4.69	1.000	0.25
3.250	4.115	4.88	1.000	0.25
3.375	4.240	5.00	1.000	0.25
3.500	4.365	5.13	1.000	0.25
3.625	4.490	5.25	1.000	0.25
3.750	4.615	5.38	1.000	0.25
3.875	4.750	5.50	1.000	0.25
4.000	4.865	5.63	1.000	0.25
4.125	4.990	5.75	1.000	0.25
4.250	5.115	5.88	1.000	0.25
4.375	5.240	6.00	1.000	0.25
4.500	5.365	6.13	1.000	0.25

# VDMA Stationary Seal Ring – Metric

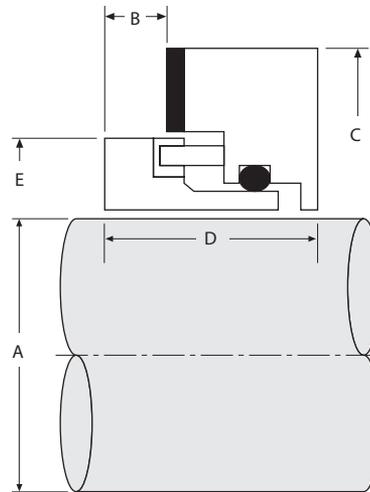


**Key**

- A – Shaft Size
- B – Seal Face Diameter
- C – Seal Face Nose Length
- D – Seal Face Length
- E – Static Sealing Diameter
- F – Seal Face Minor Diameter

A	B	C	D	O-Ring	E	F
18	32,6	6,5	17,0	26,58 x 3,53	33	26,5
20	34,6	6,5	17,0	28,17 x 3,53	35	28,5
22	36,6	6,5	17,0	29,74 x 3,53	37	30,5
24	38,6	6,5	17,0	31,94 x 3,53	39	32,5
25	39,6	6,5	17,0	32,92 x 3,53	40	33,5
28	42,6	6,5	17,0	36,09 x 3,53	43	36,5
30	44,6	6,5	17,0	37,69 x 3,53	45	38,5
32	47,6	6,5	17,0	40,87 x 3,53	48	41,5
33	47,6	6,5	17,0	40,87 x 3,53	48	41,5
35	49,6	6,5	17,0	44,04 x 3,53	50	43,5
38	55,6	7,0	18,0	48,00 x 4,00	56	48,5
40	57,6	7,0	18,0	50,00 x 4,00	58	50,5
43	60,6	7,0	18,0	52,00 x 4,00	61	53,5
45	62,6	7,0	18,0	55,00 x 4,00	63	55,5
48	65,6	7,0	18,0	58,00 x 4,00	66	58,5
50	69,6	8,5	20,0	60,00 x 4,50	70	61,5
55	74,6	8,5	20,0	65,00 x 4,50	75	66,5
60	79,5	8,5	20,0	70,00 x 4,50	80	71,5
65	85,4	8,5	20,0	75,00 x 4,50	85	76,5
70	91,4	10,0	22,0	82,00 x 5,00	92	82,5
75	96,4	10,0	22,0	87,00 x 5,00	97	87,5
80	104,3	10,0	22,5	95,00 x 5,50	105	94,5
85	109,3	10,0	22,5	100,00 x 5,50	110	99,5
90	114,3	10,0	22,5	105,00 x 5,50	115	104,5
95	119,3	10,0	22,5	110,00 x 5,50	120	109,5
100	124,3	10,0	22,5	115,00 x 5,50	125	114,5
110	134,3	10,0	22,5	120,00 x 5,50	135	124,5

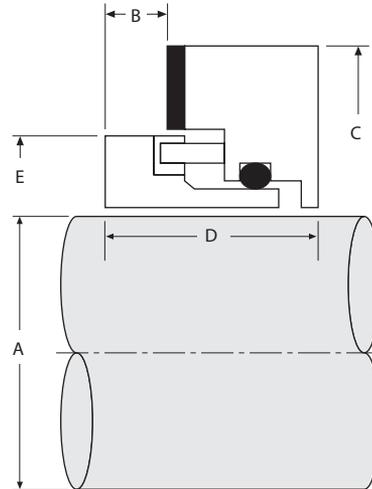
# SAS Stationary Seal Ring – Metric



Key				
A – Shaft Size	B – Nose Length	C – Holder Diameter	D – Seal Face Length	E – Seal Face Diameter

A	B	C	D	E
25	6,4	53,2	16,0	40,0
28	6,4	56,4	16,0	43,0
30	6,4	59,5	16,0	45,0
32	6,4	59,4	16,0	47,2
33	6,4	59,5	16,0	48,0
35	6,4	61,2	16,0	50,4
38	6,4	69,1	16,0	56,8
40	6,4	72,2	16,0	59,0
42	6,4	72,2	16,0	61,0
43	6,4	78,6	16,0	62,0
45	6,4	78,6	16,0	64,0
48	6,4	81,8	16,0	67,0
50	6,4	81,8	16,0	69,0
53	6,4	88,1	16,0	72,0
55	6,4	94,5	16,0	74,0
60	6,4	98,4	16,0	77,4
65	6,4	107,2	16,0	85,3
70	6,4	111,1	25,4	87,3
75	6,4	115,8	25,4	93,6
80	6,4	123,8	25,4	100,0
85	6,4	127,0	25,4	103,2
90	6,4	138,1	25,4	109,5
95	6,4	136,5	25,4	112,7
100	6,4	142,9	25,4	119,0
110	6,4	155,6	25,4	131,7

# SAS Stationary Seal Ring – Inch



Key				
A – Shaft Size	B – Nose Length	C – Holder Diameter	D – Seal Face Length	E – Seal Face Diameter

A	B	C	D	E
0.625	0.25	1.63	0.500	–
0.750	0.25	1.75	0.500	–
0.875	0.25	1.88	0.500	–
0.938	0.25	1.94	0.625	–
1.000	0.25	2.09	0.625	1.610
1.125	0.25	2.22	0.625	1.735
1.188	0.25	2.44	0.625	–
1.250	0.25	2.34	0.625	1.860
1.375	0.25	2.41	0.625	1.985
1.438	0.25	2.56	0.625	–
1.500	0.25	2.72	0.625	2.235
1.625	0.25	2.84	0.625	2.360
1.750	0.25	3.09	0.625	2.485
1.875	0.25	3.22	0.625	2.610
2.000	0.25	3.47	0.625	2.735
2.125	0.25	3.72	0.625	2.800
2.250	0.25	3.84	0.625	2.985
2.375	0.25	3.88	0.625	3.047
2.500	0.25	4.09	0.625	3.325
2.625	0.25	4.22	0.625	3.360
2.750	0.25	4.38	1.000	3.437
2.875	0.25	4.50	1.000	3.562
3.000	0.25	4.56	1.000	3.687
3.125	0.25	4.69	1.000	3.812
3.250	0.25	4.88	1.000	3.937
3.375	0.25	5.00	1.000	4.062
3.500	0.25	5.13	1.000	4.187
3.625	0.25	5.25	1.000	4.312
3.750	0.25	5.38	1.000	4.437
3.875	0.25	5.50	1.000	4.562
4.000	0.25	5.63	1.000	4.687
4.125	0.25	5.75	1.000	4.937
4.250	0.25	5.88	1.000	4.937
4.375	0.25	6.00	1.000	5.062
4.500	0.25	6.13	1.000	5.187