

# O-rings

## Technical details

### Operating conditions

Standard NBR  
FKM

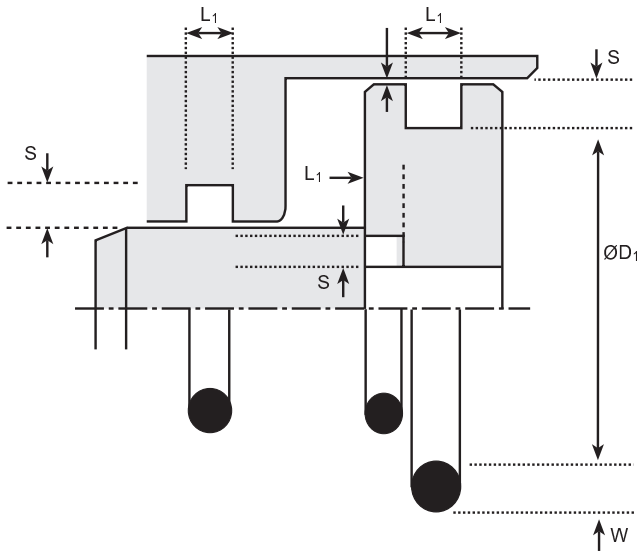
#### Metric

-30°C +100°C  
-20°C +200°C

Temperature Range

#### Inch

-22°F +212°F  
-04°F +390°F



## Design

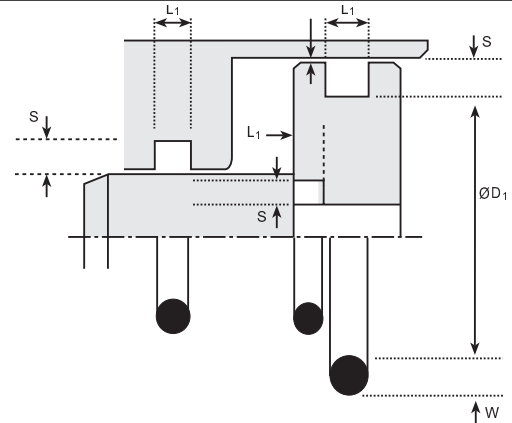
O-rings are a simple but very versatile seal. They are most commonly used for static applications, and for pressures over 1500 p.s.i are used with back up rings (See Section).

O-rings with sizes to AS-568A are available in NBR 70 and 90 Shore A compounds and in FKM 75 Shore A.

O-rings in NBR and FKM are suitable for use in mineral oil, water and air, FKM O-rings are also suitable for use in most aggressive fluids and in temperatures of up to 200°C/390°F.

# O - RINGS

# O-rings



**Design Table for industrial O-ring static seal housing**

O ring size AS-	Cross Section		Gland depth S	Squeeze actual	%	Extrusion Gap F*	Groove Width L		
	Nominal	O ring					No backups	One backup	Two backups
004	1/16	0.070	0.050	0.015	22	0.002	0.093	0.138	0.205
050		±0.003	0.052	0.023	32	0.005	0.098	0.143	0.210
102		0.081	0.017	17	0.002	0.140	0.171	0.238	
178	3/32	0.103	0.083	0.025	24	0.005	0.145	0.176	0.243
201		±0.003	0.111	0.022	16	0.003	0.187	0.208	0.275
284	1/8	0.139	0.113	0.032	23	0.006	0.192	0.213	0.280
309		±0.004	0.170	0.032	15	0.003	0.281	0.311	0.410
395	3/16	0.210	0.173	0.045	21	0.006	0.286	0.316	0.415
425		±0.005	0.226	0.040	15	0.004	0.375	0.408	0.538
475	1/4	0.275	0.229	0.055	20	0.007	0.380	0.413	0.534
		±0.006							

**Design Table for industrial O-ring housing for reciprocating applications**

O ring size AS-	Cross Section		Gland depth S	Squeeze actual	%	Extrusion Gap F*	Groove Width L		
	Nominal	O ring					No backups	One backup	Two backups
006	1/16	0.070	0.055	0.010	15	0.002	0.093	0.138	0.205
012		±0.003	0.057	0.018	25	0.005	0.098	0.143	0.210
104		0.088	0.010	10	0.002	0.140	0.171	0.238	
116	3/32	0.103	0.090	0.018	17	0.005	0.145	0.176	0.243
201		±0.003	0.121	0.012	9	0.003	0.187	0.208	0.275
222	1/8	0.139	0.123	0.022	16	0.006	0.192	0.213	0.280
309		±0.004	0.185	0.017	8	0.003	0.281	0.311	0.410
349	3/16	0.210	0.189	0.030	14	0.006	0.286	0.316	0.415
425		±0.005	0.237	0.029	11	0.004	0.375	0.408	0.538
460	1/4	0.275	0.240	0.044	16	0.007	0.380	0.413	0.543
		±0.006							

\* Extrusion gap F must be held to an absolute minimum consistent with the design requirements for variations in temperature and should not exceed the values shown in the tables above except at zero or low operating pressures. Value shows the minimum recommended gap and the maximum permissible gap all on one side using minimum rod Ø and maximum clearance Ø.

# AS-568 O Rings

Nominal ID	OD	Cross Section	Ød <sub>1</sub>	Dimensions TOL	W.	Dimensions TOL	AS-568 No.	Nominal ID	OD	Cross Section	Ød <sub>1</sub>	Dimensions TOL	W.	Dimensions TOL	AS-568 No.
1/32	3/32	1/32	0.029	+0.004	0.040	+0.003	-001	3 1/4	3 3/8	1/16	3.239	+0.024	0.070	+0.003	-042
3/64	9/64	3/64	0.042	+0.004	0.050	+0.003	-002	3 1/2	3 5/8	1/16	3.489	+0.024	0.070	+0.003	-043
1/16	3/16	1/16	0.056	+0.004	0.060	+0.003	-003	3 3/4	3 7/8	1/16	3.739	+0.027	0.070	+0.003	-044
5/64	13/64	1/16	0.070	+0.005	0.070	+0.003	-004	4	4 1/8	1/16	3.989	+0.027	0.070	+0.003	-045
3/32	7/32	1/16	0.101	+0.005	0.070	+0.003	-005	4 1/4	4 3/8	1/16	4.239	+0.030	0.070	+0.003	-046
1/8	1/4	1/16	0.114	+0.005	0.070	+0.003	-006	4 1/2	4 5/8	1/16	4.489	+0.030	0.070	+0.003	-047
5/32	9/32	1/16	0.145	+0.005	0.070	+0.003	-007	4 3/4	4 7/8	1/16	4.739	+0.030	0.070	+0.003	-048
3/16	5/16	1/16	0.176	+0.005	0.070	+0.003	-008	5	5 1/8	1/16	4.989	+0.037	0.070	+0.003	-049
7/32	11/32	1/16	0.208	+0.005	0.070	+0.003	-009	5 1/4	5 3/8	1/16	5.239	+0.037	0.070	+0.003	-050
1/4	3/8	1/16	0.239	+0.005	0.070	+0.003	-010								
5/16	7/16	1/16	0.301	+0.005	0.070	+0.003	-011	1/16	1/4	3/32	0.049	+0.005	0.103	+0.003	-102
3/8	1/2	1/16	0.364	+0.005	0.070	+0.003	-012	3/32	9/32	3/32	0.081	+0.005	0.103	+0.003	-103
7/16	9/16	1/16	0.426	+0.005	0.070	+0.003	-013	1/8	5/16	3/32	0.112	+0.005	0.103	+0.003	-104
1/2	5/8	1/16	0.489	+0.005	0.070	+0.003	-014	5/32	11/32	3/32	0.143	+0.005	0.103	+0.003	-105
9/16	11/16	1/16	0.551	+0.007	0.070	+0.003	-015	3/16	3/8	3/32	0.174	+0.005	0.103	+0.003	-106
5/8	3/4	1/16	0.614	+0.009	0.070	+0.003	-016	7/32	13/32	3/32	0.206	+0.005	0.103	+0.003	-107
11/16	13/16	1/16	0.676	+0.009	0.070	+0.003	-017	1/4	7/16	3/32	0.237	+0.005	0.103	+0.003	-108
3/4	7/8	1/16	0.739	+0.009	0.070	+0.003	-018	5/16	1/2	3/32	0.298	+0.005	0.103	+0.003	-109
13/16	15/16	1/16	0.801	+0.009	0.070	+0.003	-019	3/8	9/16	3/32	0.362	+0.005	0.103	+0.003	-110
7/8	1	1/16	0.864	+0.009	0.070	+0.003	-020	7/16	5/8	3/32	0.424	+0.005	0.103	+0.003	-111
15/16	1 1/16	1/16	0.926	+0.009	0.070	+0.003	-021	1/2	11/16	3/32	0.487	+0.005	0.103	+0.003	-112
1	1 1/8	1/16	0.989	+0.010	0.070	+0.003	-022	9/16	3/4	3/32	0.549	+0.005	0.103	+0.003	-113
1 1/16	1 3/16	1/16	1.051	+0.010	0.070	+0.003	-023	5/8	13/16	3/32	0.612	+0.009	0.103	+0.003	-114
1 1/8	1 1/4	1/16	1.114	+0.010	0.070	+0.003	-024	11/16	7/8	3/32	0.674	+0.009	0.103	+0.003	-115
1 3/16	1 5/16	1/16	1.176	+0.011	0.070	+0.003	-025	3/4	15/16	3/32	0.737	+0.009	0.103	+0.003	-116
1 1/4	1 3/8	1/16	1.239	+0.011	0.070	+0.003	-026	13/16	1	3/32	0.799	+0.010	0.103	+0.003	-117
1 5/16	1 7/16	1/16	1.301	+0.011	0.070	+0.003	-027	7/8	1 1/16	3/32	0.862	+0.010	0.103	+0.003	-118
1 3/8	1 1/2	1/16	1.364	+0.013	0.070	+0.003	-028	15/16	1 1/8	3/32	0.924	+0.010	0.103	+0.003	-119
1 1/2	1 5/8	1/16	1.489	+0.013	0.070	+0.003	-029	1	1 3/16	3/32	0.987	+0.010	0.103	+0.003	-120
1 5/8	1 3/4	1/16	1.614	+0.013	0.070	+0.003	-030	1 1/16	1 1/4	3/32	1.049	+0.010	0.103	+0.003	-121
1 3/4	1 7/8	1/16	1.739	+0.015	0.070	+0.003	-031	1 1/8	1 5/16	3/32	1.112	+0.010	0.103	+0.003	-122
1 7/8	2	1/16	1.864	+0.015	0.070	+0.003	-032	1 3/16	1 3/8	3/32	1.174	+0.012	0.103	+0.003	-123
2	2 1/8	1/16	1.989	+0.018	0.070	+0.003	-033	1 1/4	1 7/16	3/32	1.237	+0.012	0.103	+0.003	-124
2 1/8	2 1/4	1/16	2.114	+0.018	0.070	+0.003	-034	1 5/16	1 1/2	3/32	1.299	+0.012	0.103	+0.003	-125
2 1/4	2 3/8	1/16	2.239	+0.018	0.070	+0.003	-035	1 3/8	1 9/16	3/32	1.362	+0.012	0.103	+0.003	-126
2 3/8	2 1/2	1/16	2.364	+0.018	0.070	+0.003	-036	1 7/16	1 5/8	3/32	1.424	+0.012	0.103	+0.003	-127
2 1/2	2 5/8	1/16	2.489	+0.018	0.070	+0.003	-037	1 1/2	1 11/16	3/32	1.487	+0.012	0.103	+0.003	-128
2 5/8	2 3/4	1/16	2.614	+0.020	0.070	+0.003	-038	1 9/16	1 3/4	3/32	1.549	+0.015	0.103	+0.003	-129
2 3/4	2 7/8	1/16	2.739	+0.020	0.070	+0.003	-039	1 5/8	1 13/16	3/32	1.612	+0.015	0.103	+0.003	-130
2 7/8	3	1/16	2.864	+0.020	0.070	+0.003	-040	1 11/16	1 7/8	3/32	1.674	+0.015	0.103	+0.003	-131
3	3 1/8	1/16	2.989	+0.024	0.070	+0.003	-041	1 3/4	1 15/16	3/32	1.737	+0.015	0.103	+0.003	-132

# AS-568 O Rings

Nominal ID	OD	Cross Section	Ød <sub>1</sub>	Dimensions TOL	W.	Dimensions TOL	AS-568 No.
1 13/16	2	3/32	1.799	±0.015	0.103	±0.003	-133
1 7/8	2 1/16	3/32	1.862	±0.015	0.103	±0.003	-134
1 15/16	2 1/8	3/32	1.925	±0.017	0.103	±0.003	-135
2	2 3/16	3/32	1.987	±0.017	0.103	±0.003	-136
2 1/16	2 1/4	3/32	2.050	±0.017	0.103	±0.003	-137
2 1/8	2 5/16	3/32	2.112	±0.017	0.103	±0.003	-138
2 3/16	2 3/8	3/32	2.175	±0.017	0.103	±0.003	-139
2 1/4	2 7/16	3/32	2.237	±0.017	0.103	±0.003	-140
2 5/8	2 1/2	3/32	2.300	±0.020	0.103	±0.003	-141
2 3/8	2 9/16	3/32	2.362	±0.020	0.103	±0.003	-142
2 7/8	2 5/8	3/32	2.425	±0.020	0.103	±0.003	-143
2 1/2	2 11/16	3/32	2.487	±0.020	0.103	±0.003	-144
2 9/16	2 3/4	3/32	2.550	±0.020	0.103	±0.003	-145
2 5/8	2 13/16	3/32	2.612	±0.020	0.103	±0.003	-146
2 11/16	2 7/8	3/32	2.675	±0.022	0.103	±0.003	-147
2 3/4	2 15/16	3/32	2.737	±0.022	0.103	±0.003	-148
2 13/16	3	3/32	2.800	±0.022	0.103	±0.003	-149
2 7/8	3 1/16	3/32	2.862	±0.022	0.103	±0.003	-150
3	3 3/16	3/32	2.987	±0.024	0.103	±0.003	-151
3 1/4	3 7/16	3/32	3.237	±0.024	0.103	±0.003	-152
3 1/2	3 11/16	3/32	3.487	±0.024	0.103	±0.003	-153
3 3/4	3 15/16	3/32	3.737	±0.028	0.103	±0.003	-154
4	4 3/16	3/32	3.987	±0.028	0.103	±0.003	-155
4 1/4	4 7/16	3/32	4.237	±0.030	0.103	±0.003	-156
4 1/2	4 11/16	3/32	4.487	±0.030	0.103	±0.003	-157
4 3/4	4 15/16	3/32	4.737	±0.030	0.103	±0.003	-158
5	5 3/16	3/32	4.987	±0.035	0.103	±0.003	-159
5 1/4	5 7/16	3/32	5.237	±0.035	0.103	±0.003	-160
5 1/2	5 11/16	3/32	5.487	±0.035	0.103	±0.003	-161
5 3/4	5 15/16	3/32	5.737	±0.035	0.103	±0.003	-162
6	6 3/16	3/32	5.987	±0.035	0.103	±0.003	-163
6 1/4	6 7/16	3/32	6.237	±0.040	0.103	±0.003	-164
6 1/2	6 11/16	3/32	6.487	±0.040	0.103	±0.003	-165
6 3/4	6 15/16	3/32	6.737	±0.040	0.103	±0.003	-166
7	7 3/16	3/32	6.987	±0.040	0.103	±0.003	-167
7 1/4	7 7/16	3/32	7.237	±0.045	0.103	±0.003	-168
7 1/2	7 11/16	3/32	7.487	±0.045	0.103	±0.003	-169
7 3/4	7 15/16	3/32	7.737	±0.045	0.103	±0.003	-170
8	8 3/16	3/32	7.987	±0.045	0.103	±0.003	-171
8 1/4	8 7/16	3/32	8.237	±0.050	0.103	±0.003	-172
8 1/2	8 11/16	3/32	8.487	±0.050	0.103	±0.003	-173

Nominal ID	OD	Cross Section	Ød <sub>1</sub>	Dimensions TOL	W.	Dimensions TOL	AS-568 No.
8 3/4	8 15/16	3/32	8.737	±0.050	0.103	±0.003	-174
9	9 3/16	3/32	8.987	±0.050	0.103	±0.003	-175
9 1/4	9 7/16	3/32	9.237	±0.055	0.103	±0.003	-176
9 1/2	9 11/16	3/32	9.487	±0.055	0.103	±0.003	-177
9 3/4	9 15/16	3/32	9.737	±0.055	0.103	±0.003	-178
3/16	7/16	1/8	0.171	±0.005	0.139	±0.004	-201
1/4	1/2	1/8	0.234	±0.005	0.139	±0.004	-202
5/16	9/16	1/8	0.296	±0.005	0.139	±0.004	-203
3/8	5/8	1/8	0.359	±0.005	0.139	±0.004	-204
7/16	11/16	1/8	0.421	±0.005	0.139	±0.004	-205
1/2	3/4	1/8	0.484	±0.005	0.139	±0.004	-206
9/16	13/16	1/8	0.546	±0.007	0.139	±0.004	-207
5/8	7/8	1/8	0.609	±0.009	0.139	±0.004	-208
11/16	15/16	1/8	0.671	±0.009	0.139	±0.004	-209
3/4	1	1/8	0.734	±0.010	0.139	±0.004	-210
13/16	1 1/16	1/8	0.796	±0.010	0.139	±0.004	-211
7/8	1 1/8	1/8	0.859	±0.010	0.139	±0.004	-212
15/16	1 3/16	1/8	0.921	±0.010	0.139	±0.004	-213
1	1 1/4	1/8	0.984	±0.010	0.139	±0.004	-214
1 1/16	1 5/16	1/8	1.046	±0.010	0.139	±0.004	-215
1 1/8	1 3/8	1/8	1.109	±0.012	0.139	±0.004	-216
1 3/16	1 7/16	1/8	1.171	±0.012	0.139	±0.004	-217
1 1/4	1 1/2	1/8	1.234	±0.012	0.139	±0.004	-218
1 5/16	1 9/16	1/8	1.296	±0.012	0.139	±0.004	-219
1 3/8	1 5/8	1/8	1.359	±0.012	0.139	±0.004	-220
1 7/16	1 11/16	1/8	1.421	±0.012	0.139	±0.004	-221
1 1/2	1 3/4	1/8	1.484	±0.015	0.139	±0.004	-222
1 5/8	1 7/8	1/8	1.609	±0.015	0.139	±0.004	-223
1 3/4	2	1/8	1.734	±0.015	0.139	±0.004	-224
1 7/8	2 1/8	1/8	1.859	±0.018	0.139	±0.004	-225
2	2 1/4	1/8	1.984	±0.018	0.139	±0.004	-226
2 1/8	2 3/8	1/8	2.109	±0.018	0.139	±0.004	-227
2 1/4	2 1/2	1/8	2.234	±0.020	0.139	±0.004	-228
2 3/8	2 5/8	1/8	2.359	±0.020	0.139	±0.004	-229
2 1/2	2 3/4	1/8	2.484	±0.020	0.139	±0.004	-230
2 5/8	2 7/8	1/8	2.609	±0.020	0.139	±0.004	-231
2 3/4	3	1/8	2.734	±0.024	0.139	±0.004	-232
2 7/8	3 1/8	1/8	2.859	±0.024	0.139	±0.004	-233
3	3 1/4	1/8	2.984	±0.024	0.139	±0.004	-234
3 1/8	3 3/8	1/8	3.109	±0.024	0.139	±0.004	-235

# AS-568 O Rings

AS-568								AS-568							
Nominal ID	OD	Cross Section	Ød <sub>1</sub>	Dimensions TOL	W.	Dimensions TOL	AS-568 No.	Nominal ID	OD	Cross Section	Ød <sub>1</sub>	Dimensions TOL	W.	Dimensions TOL	AS-568 No.
3 1/4	3 1/2	1/8	3.234	+0.024	0.139	+0.004	-236	11 1/2	11 3/4	1/8	11.484	+0.065	0.139	+0.004	-277
3 3/8	3 5/8	1/8	3.359	+0.024	0.139	+0.004	-237	12	12 1/4	1/8	11.984	+0.065	0.139	+0.004	-278
3 1/2	3 3/4	1/8	3.484	+0.024	0.139	+0.004	-238	13	13 1/4	1/8	12.984	+0.065	0.139	+0.004	-279
3 5/8	3 7/8	1/8	3.609	+0.028	0.139	+0.004	-239	14	14 1/4	1/8	13.984	+0.065	0.139	+0.004	-280
3 3/4	4	1/8	3.734	+0.028	0.139	+0.004	-240	15	15 1/4	1/8	14.984	+0.065	0.139	+0.004	-281
3 7/8	4 1/8	1/8	3.859	+0.028	0.139	+0.004	-241	16	16 1/4	1/8	15.955	+0.075	0.139	+0.004	-282
4	4 1/4	1/8	3.984	+0.028	0.139	+0.004	-242	17	17 1/4	1/8	16.955	+0.080	0.139	+0.004	-283
4 1/8	4 3/8	1/8	4.109	+0.028	0.139	+0.004	-243	18	18 1/4	1/8	17.955	+0.085	0.139	+0.004	-284
4 1/4	4 1/2	1/8	4.234	+0.030	0.139	+0.004	-244	7/16	13/16	3/16	0.412	+0.005	0.210	+0.005	-309
4 3/8	4 5/8	1/8	4.359	+0.030	0.139	+0.004	-245	1/2	7/8	3/16	0.475	+0.005	0.210	+0.005	-310
4 1/2	4 3/4	1/8	4.484	+0.030	0.139	+0.004	-246	9/16	15/16	3/16	0.537	+0.007	0.210	+0.005	-311
4 5/8	4 7/8	1/8	4.609	+0.030	0.139	+0.004	-247	5/8	1	3/16	0.600	+0.009	0.210	+0.005	-312
4 3/4	5	1/8	4.734	+0.030	0.139	+0.004	-248	11/16	1 1/16	3/16	0.662	+0.009	0.210	+0.005	-313
4 7/8	5 1/8	1/8	4.859	+0.035	0.139	+0.004	-249	3/4	1 1/8	3/16	0.725	+0.010	0.210	+0.005	-314
5	5 1/4	1/8	4.984	+0.035	0.139	+0.004	-250	13/16	1 3/16	3/16	0.787	+0.010	0.210	+0.005	-315
5 1/8	5 3/8	1/8	5.109	+0.035	0.139	+0.004	-251	7/8	1 1/4	3/16	0.850	+0.010	0.210	+0.005	-316
5 1/4	5 1/2	1/8	5.234	+0.035	0.139	+0.004	-252	15/16	1 5/16	3/16	0.912	+0.010	0.210	+0.005	-317
5 3/8	5 5/8	1/8	5.359	+0.035	0.139	+0.004	-253	1	1 3/8	3/16	0.975	+0.010	0.210	+0.005	-318
5 1/2	5 3/4	1/8	5.484	+0.035	0.139	+0.004	-254	1 1/16	1 7/16	3/16	1.037	+0.010	0.210	+0.005	-319
5 5/8	5 7/8	1/8	5.609	+0.035	0.139	+0.004	-255	1 1/8	1 1/2	3/16	1.100	+0.012	0.210	+0.005	-320
5 3/4	6	1/8	5.734	+0.035	0.139	+0.004	-256	1 3/16	1 9/16	3/16	1.162	+0.012	0.210	+0.005	-321
5 7/8	6 1/8	1/8	5.859	+0.035	0.139	+0.004	-257	1 1/4	1 5/8	3/16	1.225	+0.012	0.210	+0.005	-322
6	6 1/4	1/8	5.984	+0.035	0.139	+0.004	-258	1 5/16	1 11/16	3/16	1.287	+0.012	0.210	+0.005	-323
6 1/4	6 1/2	1/8	6.234	+0.040	0.139	+0.004	-259	1 3/8	1 3/4	3/16	1.350	+0.012	0.210	+0.005	-324
6 1/2	6 3/4	1/8	6.484	+0.040	0.139	+0.004	-260	1 1/2	1 7/8	3/16	1.475	+0.015	0.210	+0.005	-325
6 3/4	7	1/8	6.734	+0.040	0.139	+0.004	-261	1 5/8	2	3/16	1.600	+0.015	0.210	+0.005	-326
7	7 1/4	1/8	6.984	+0.040	0.139	+0.004	-262	1 3/4	2 1/8	3/16	1.725	+0.015	0.210	+0.005	-327
7 1/4	7 1/2	1/8	7.234	+0.045	0.139	+0.004	-263	1 7/8	2 1/4	3/16	1.850	+0.015	0.210	+0.005	-328
7 1/2	7 3/4	1/8	7.484	+0.045	0.139	+0.004	-264	2	2 3/8	3/16	1.975	+0.018	0.210	+0.005	-329
7 3/4	8	1/8	7.734	+0.045	0.139	+0.004	-265	2 1/8	2 1/2	3/16	2.100	+0.018	0.210	+0.005	-330
8	8 1/4	1/8	7.984	+0.045	0.139	+0.004	-266	2 1/4	2 5/8	3/16	2.225	+0.018	0.210	+0.005	-331
8 1/4	8 1/2	1/8	8.234	+0.050	0.139	+0.004	-267	2 3/8	2 3/4	3/16	2.350	+0.018	0.210	+0.005	-332
8 1/2	8 3/4	1/8	8.484	+0.050	0.139	+0.004	-268	2 1/2	2 7/8	3/16	2.475	+0.020	0.210	+0.005	-333
8 3/4	9	1/8	8.734	+0.050	0.139	+0.004	-269	2 5/8	3	3/16	2.600	+0.020	0.210	+0.005	-334
9	9 1/4	1/8	8.984	+0.050	0.139	+0.004	-270	2 3/4	3 1/8	3/16	2.725	+0.020	0.210	+0.005	-335
9 1/4	9 1/2	1/8	9.234	+0.055	0.139	+0.004	-271	2 7/8	3 1/4	3/16	2.850	+0.020	0.210	+0.005	-336
9 1/2	9 3/4	1/8	9.484	+0.055	0.139	+0.004	-272	3	3 3/8	3/16	2.975	+0.024	0.210	+0.005	-337
9 3/4	10	1/8	9.734	+0.055	0.139	+0.004	-273	3 1/8	3 1/2	3/16	3.100	+0.024	0.210	+0.005	-338
10	10 1/4	1/8	9.984	+0.055	0.139	+0.004	-274	3 1/4	3 5/8	3/16	3.225	+0.024	0.210	+0.005	-339
10 1/2	10 3/4	1/8	10.484	+0.055	0.139	+0.004	-275	3 3/8	3 3/4	3/16	3.350	+0.024	0.210	+0.005	-340
11	11 1/4	1/8	10.984	+0.065	0.139	+0.004	-276	3 1/2	3 7/8	3/16	3.475	+0.024	0.210	+0.005	-341

# AS-568 O Rings

Nominal ID	OD	Cross Section	Ød1	Dimensions TOL	W.	Dimensions TOL	AS-568 No.
3 5/8	4	3/16	3.600	±0.028	0.210	±0.005	-342
3 3/4	4 1/8	3/16	3.725	±0.028	0.210	±0.005	-343
3 7/8	4 1/4	3/16	3.850	±0.028	0.210	±0.005	-344
4	4 3/8	3/16	3.975	±0.028	0.210	±0.005	-345
4 1/8	4 1/2	3/16	4.100	±0.028	0.210	±0.005	-346
4 1/4	4 5/8	3/16	4.225	±0.030	0.210	±0.005	-347
4 3/8	4 3/4	3/16	4.350	±0.030	0.210	±0.005	-348
4 1/2	4 7/8	3/16	4.475	±0.030	0.210	±0.005	-349
4 5/8	5	3/16	4.600	±0.030	0.210	±0.005	-350
4 3/4	5 1/8	3/16	4.725	±0.030	0.210	±0.005	-351
4 7/8	5 1/4	3/16	4.850	±0.030	0.210	±0.005	-352
5	5 3/8	3/16	4.975	±0.037	0.210	±0.005	-353
5 1/8	5 1/2	3/16	5.100	±0.037	0.210	±0.005	-354
5 1/4	5 5/8	3/16	5.225	±0.037	0.210	±0.005	-355
5 3/8	5 3/4	3/16	5.350	±0.037	0.210	±0.005	-356
5 1/2	5 7/8	3/16	5.475	±0.037	0.210	±0.005	-357
5 5/8	6	3/16	5.600	±0.037	0.210	±0.005	-358
5 3/4	6 1/8	3/16	5.725	±0.037	0.210	±0.005	-359
5 7/8	6 1/4	3/16	5.850	±0.037	0.210	±0.005	-360
6	6 3/8	3/16	5.975	±0.037	0.210	±0.005	-361
6 1/4	6 5/8	3/16	6.225	±0.040	0.210	±0.005	-362
6 1/2	6 7/8	3/16	6.475	±0.040	0.210	±0.005	-363
6 3/4	7 1/8	3/16	6.725	±0.040	0.210	±0.005	-364
7	7 3/8	3/16	6.975	±0.040	0.210	±0.005	-365
7 1/4	7 5/8	3/16	7.225	±0.045	0.210	±0.005	-366
7 1/2	7 7/8	3/16	7.475	±0.045	0.210	±0.005	-367
7 3/4	8 1/8	3/16	7.725	±0.045	0.210	±0.005	-368
8	8 3/8	3/16	7.975	±0.045	0.210	±0.005	-369
8 1/4	8 5/8	3/16	8.225	±0.050	0.210	±0.005	-370
8 1/2	8 7/8	3/16	8.475	±0.050	0.210	±0.005	-371
8 3/4	9 1/8	3/16	8.725	±0.050	0.210	±0.005	-372
9	9 3/8	3/16	8.975	±0.050	0.210	±0.005	-373
9 1/4	9 5/8	3/16	9.225	±0.055	0.210	±0.005	-374
9 1/2	9 7/8	3/16	9.475	±0.055	0.210	±0.005	-375
9 3/4	10 1/8	3/16	9.725	±0.055	0.210	±0.005	-376
10	10 3/8	3/16	9.975	±0.055	0.210	±0.005	-377
10 1/2	10 7/8	3/16	10.475	±0.060	0.210	±0.005	-378
11	11 3/8	3/16	10.975	±0.060	0.210	±0.005	-379
11 1/2	11 7/8	3/16	11.475	±0.065	0.210	±0.005	-380
12	12 3/8	3/16	11.975	±0.065	0.210	±0.005	-381
13	13 3/8	3/16	12.975	±0.065	0.210	±0.005	-382
14	14 3/8	3/16	13.975	±0.070	0.210	±0.005	-383
15	15 3/8	3/16	14.975	±0.070	0.210	±0.005	-384
16	16 3/8	3/16	15.955	±0.075	0.210	±0.005	-385
17	17 3/8	3/16	16.955	±0.080	0.210	±0.005	-386
18	18 3/8	3/16	17.995	±0.085	0.210	±0.005	-387
19	19 3/8	3/16	18.995	±0.090	0.210	±0.005	-388
20	20 3/8	3/16	19.995	±0.095	0.210	±0.005	-389
21	21 3/8	3/16	20.995	±0.095	0.210	±0.005	-390
22	22 3/8	3/16	21.995	±0.100	0.210	±0.005	-391
23	23 3/8	3/16	22.940	±0.105	0.210	±0.005	-392
24	24 3/8	3/16	23.940	±0.110	0.210	±0.005	-393
25	25 3/8	3/16	24.940	±0.115	0.210	±0.005	-394
26	26 3/8	3/16	25.940	±0.120	0.210	±0.005	-395
4 1/2	5	1/4	4.475	±0.033	0.275	±0.006	-425
4 5/8	5 1/8	1/4	4.600	±0.033	0.275	±0.006	-426
4 3/4	5 1/4	1/4	4.725	±0.033	0.275	±0.006	-427
4 7/8	5 3/8	1/4	4.850	±0.033	0.275	±0.006	-428
5	5 1/2	1/4	4.975	±0.037	0.275	±0.006	-429
5 1/8	5 5/8	1/4	5.100	±0.037	0.275	±0.006	-430
5 1/4	5 3/4	1/4	5.225	±0.037	0.275	±0.006	-431
5 3/8	5 7/8	1/4	5.350	±0.037	0.275	±0.006	-432
5 1/2	6	1/4	5.475	±0.037	0.275	±0.006	-433
5 5/8	6 1/8	1/4	5.600	±0.037	0.275	±0.006	-434
5 3/4	6 1/4	1/4	5.725	±0.037	0.275	±0.006	-435
5 7/8	6 3/8	1/4	5.850	±0.037	0.275	±0.006	-436
6	6 1/2	1/4	5.975	±0.037	0.275	±0.006	-437
6 1/4	6 3/4	1/4	6.225	±0.040	0.275	±0.006	-438
6 1/2	7	1/4	6.475	±0.040	0.275	±0.006	-439
6 3/4	7 1/4	1/4	6.725	±0.040	0.275	±0.006	-440
7	7 1/2	1/4	6.975	±0.040	0.275	±0.006	-441
7 1/4	7 3/4	1/4	7.225	±0.045	0.275	±0.006	-442
7 1/2	8	1/4	7.475	±0.045	0.275	±0.006	-443
7 3/4	8 1/4	1/4	7.725	±0.045	0.275	±0.006	-444
8	8 1/2	1/4	7.975	±0.045	0.275	±0.006	-445
8 1/2	9	1/4	8.475	±0.055	0.275	±0.006	-446
9	9 1/2	1/4	8.975	±0.055	0.275	±0.006	-447
9 1/2	10	1/4	9.475	±0.055	0.275	±0.006	-448
10	10 1/2	1/4	9.975	±0.055	0.275	±0.006	-449
10 1/2	11	1/4	10.475	±0.060	0.275	±0.006	-450
11	11 1/2	1/4	10.975	±0.060	0.275	±0.006	-451

# AS-568 O Rings

Nominal ID	OD	Cross Section	Ød <sub>1</sub>	Dimensions			AS-568 No.
				TOL	W.	TOL	
11 1/2	12	1/4	11.475	±0.060	0.275	±0.006	-452
12	12 1/2	1/4	11.975	±0.060	0.275	±0.006	-453
12 1/2	13	1/4	12.475	±0.060	0.275	±0.006	-454
13	13 1/2	1/4	12.975	±0.060	0.275	±0.006	-455
13 1/2	14	1/4	13.475	±0.070	0.275	±0.006	-456
14	14 1/2	1/4	13.975	±0.070	0.275	±0.006	-457
14 1/2	15	1/4	14.475	±0.070	0.275	±0.006	-458
15	15 1/2	1/4	14.975	±0.070	0.275	±0.006	-459
15 1/2	16	1/4	15.475	±0.070	0.275	±0.006	-460
16	16 1/2	1/4	15.955	±0.075	0.275	±0.006	-461
16 1/2	17	1/4	16.455	±0.075	0.275	±0.006	-462
17	17 1/2	1/4	16.955	±0.080	0.275	±0.006	-463

Nominal ID	OD	Cross Section	Ød <sub>1</sub>	Dimensions			AS-568 No.
				TOL	W.	TOL	
17 1/2	18	1/4	17.455	±0.085	0.275	±0.006	-464
18	18 1/2	1/4	17.955	±0.085	0.275	±0.006	-465
18 1/2	19	1/4	18.455	±0.085	0.275	±0.006	-466
19	19 1/2	1/4	18.955	±0.090	0.275	±0.006	-467
19 1/2	20	1/4	19.455	±0.090	0.275	±0.006	-468
20	20 1/2	1/4	19.955	±0.090	0.275	±0.006	-469
21	21 1/2	1/4	20.955	±0.090	0.275	±0.006	-470
22	22 1/2	1/4	21.955	±0.100	0.275	±0.006	-471
23	23 1/2	1/4	22.940	±0.105	0.275	±0.006	-472
24	24 1/2	1/4	23.940	±0.110	0.275	±0.006	-473
25	25 1/2	1/4	24.940	±0.115	0.275	±0.006	-474
26	26 1/2	1/4	25.940	±0.120	0.275	±0.006	-475

# AS-568 O Rings

inch - Standard O Ring gaskets for straight thread tube fittings

NOMINAL TUBE SIZE	Ød	TOL	DIMENSIONS		AS-568 No.
			W.	TOL	
3/32	0.185	± 0.005	0.056	± 0.003	-901
1/8	0.239	± 0.005	0.064	± 0.003	-902
3/16	0.301	± 0.005	0.064	± 0.003	-903
1/4	0.351	± 0.005	0.072	± 0.003	-904
5/16	0.414	± 0.005	0.072	± 0.003	-905
3/8	0.468	± 0.005	0.078	± 0.003	-906
7/16	0.530	± 0.005	0.082	± 0.003	-907
1/2	0.644	± 0.009	0.087	± 0.003	-908
9/16	0.706	± 0.009	0.097	± 0.003	-909
5/8	0.755	± 0.009	0.097	± 0.003	-910

NOMINAL TUBE SIZE	Ød	TOL	DIMENSIONS		AS-568 No.
			W.	TOL	
11/16	0.863	± 0.009	0.116	± 0.004	-911
3/4	0.924	± 0.009	0.116	± 0.004	-912
13/16	0.986	± 0.010	0.116	± 0.004	-913
7/8	1.047	± 0.010	0.116	± 0.004	-914
1	1.171	± 0.010	0.116	± 0.004	-916
1 1/8	1.355	± 0.012	0.116	± 0.004	-918
1 1/4	1.475	± 0.014	0.118	± 0.004	-920
1 1/2	1.720	± 0.014	0.118	± 0.004	-924
1 3/4	2.090	± 0.018	0.118	± 0.004	-928
2	2.337	± 0.018	0.118	± 0.004	-932