
Section IX

Sizes

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Parker O-Ring Handbook

Parker Series 2-XXX O-Ring Sizes

1		2			3			4				5	6				7
Parker Size No. (Size Only)		Size Only	Nominal Size			Standard O-Ring Size (Units are in Inches)				(Ref. Only)	Metric O-Ring Size (Units are in Millimeters)				Parker Size No. (Size Only)		
(a)		(Size Only)	(Inches)			Actual (b) Per AS 568A					Actual (b) Per AS 568A				(a)		
AS 568A Uniform		Dash No.	(Ref. Only)			I.D.	Tolerance		W		Basic Volume	I.D.	Tolerance		W		Cu. In.
			I.D.	O.D.	W.	I.D.	±	W	±		I.D.	±	W	±			
2-001	-001	1/32	3/32	1/32	.029	.004	.040	.003	.0003	0,74	0,10	1,02	0,08	2-001			
2-002	-002	3/64	9/64	3/64	.042	.004	.050	.003	.0006	1,07	0,10	1,27	0,08	2-002			
2-003	-003	1/16	3/16	1/16	.056	.004	.060	.003	.0010	1,42	0,10	1,52	0,08	2-003			
2-004	-004	5/64	13/64	1/16	.070	.005	.070	.003	.0017	1,78	0,13	1,78	0,08	2-004			
2-005	-005	3/32	7/32	1/16	.101	.005	.070	.003	.0021	2,57	0,13	1,78	0,08	2-005			
2-006	-006	1/8	1/4	1/16	.114	.005	.070	.003	.0022	2,90	0,13	1,78	0,08	2-006			
2-007	-007	5/32	9/32	1/16	.145	.005	.070	.003	.0026	3,68	0,13	1,78	0,08	2-007			
2-008	-008	3/16	5/16	1/16	.176	.005	.070	.003	.0030	4,47	0,13	1,78	0,08	2-008			
2-009	-009	7/32	11/32	1/16	.208	.005	.070	.003	.0034	5,28	0,13	1,78	0,08	2-009			
2-010	-010	1/4	3/8	1/16	.239	.005	.070	.003	.0037	6,07	0,13	1,78	0,08	2-010			
2-011	-011	5/16	7/16	1/16	.301	.005	.070	.003	.0045	7,65	0,13	1,78	0,08	2-011			
2-012	-012	3/8	1/2	1/16	.364	.005	.070	.003	.0052	9,25	0,13	1,78	0,08	2-012			
2-013	-013	7/16	9/16	1/16	.426	.005	.070	.003	.0060	10,82	0,13	1,78	0,08	2-013			
2-014	-014	1/2	5/8	1/16	.489	.005	.070	.003	.0068	12,42	0,13	1,78	0,08	2-014			
2-015	-015	9/16	11/16	1/16	.551	.007	.070	.003	.0075	14,00	0,18	1,78	0,08	2-015			
2-016	-016	5/8	3/4	1/16	.614	.009	.070	.003	.0083	15,60	0,23	1,78	0,08	2-016			
2-017	-017	11/16	13/16	1/16	.676	.009	.070	.003	.0090	17,17	0,23	1,78	0,08	2-017			
2-018	-018	3/4	7/8	1/16	.739	.009	.070	.003	.0098	18,77	0,23	1,78	0,08	2-018			
2-019	-019	13/16	15/16	1/16	.801	.009	.070	.003	.0105	20,35	0,23	1,78	0,08	2-019			
2-020	-020	7/8	1	1/16	.864	.009	.070	.003	.0113	21,95	0,23	1,78	0,08	2-020			
2-021	-021	15/16	1 1/16	1/16	.926	.009	.070	.003	.0120	23,52	0,23	1,78	0,08	2-021			
2-022	-022	1	1/8	1/16	.989	.010	.070	.003	.0128	25,12	0,25	1,78	0,08	2-022			
2-023	-023	1 1/16	1 3/16	1/16	1.051	.010	.070	.003	.0136	26,70	0,25	1,78	0,08	2-023			
2-024	-024	1 1/8	1 1/4	1/16	1.114	.010	.070	.003	.0143	28,30	0,25	1,78	0,08	2-024			
2-025	-025	1 3/16	1 5/16	1/16	1.176	.011	.070	.003	.0151	29,87	0,28	1,78	0,08	2-025			
2-026	-026	1 1/4	1 3/8	1/16	1.239	.011	.070	.003	.0158	31,47	0,28	1,78	0,08	2-026			
2-027	-027	1 5/16	1 7/16	1/16	1.301	.011	.070	.003	.0166	33,05	0,28	1,78	0,08	2-027			
2-028	-028	1 3/8	1 1/2	1/16	1.364	.013	.070	.003	.0173	34,65	0,33	1,78	0,08	2-028			
2-029	-029	1 1/2	1 5/8	1/16	1.489	.013	.070	.003	.0188	37,82	0,33	1,78	0,08	2-029			
2-030	-030	1 5/8	1 3/4	1/16	1.614	.013	.070	.003	.0204	41,00	0,33	1,78	0,08	2-030			
2-031	-031	1 3/4	1 7/8	1/16	1.739	.015	.070	.003	.0219	44,17	0,38	1,78	0,08	2-031			
2-032	-032	1 7/8	2	1/16	1.864	.015	.070	.003	.0234	47,35	0,38	1,78	0,08	2-032			
2-033	-033	2	2 1/8	1/16	1.989	.018	.070	.003	.0249	50,52	0,46	1,78	0,08	2-033			
2-034	-034	2 1/8	2 1/4	1/16	2.114	.018	.070	.003	.0264	53,70	0,46	1,78	0,08	2-034			
2-035	-035	2 1/4	2 3/8	1/16	2.239	.018	.070	.003	.0279	56,87	0,46	1,78	0,08	2-035			
2-036	-036	2 3/8	2 1/2	1/16	2.364	.018	.070	.003	.0294	60,05	0,46	1,78	0,08	2-036			
2-037	-037	2 1/2	2 5/8	1/16	2.489	.018	.070	.003	.0309	63,22	0,46	1,78	0,08	2-037			
2-038	-038	2 5/8	2 3/4	1/16	2.614	.020	.070	.003	.0324	66,40	0,51	1,78	0,08	2-038			
2-039	-039	2 3/4	2 7/8	1/16	2.739	.020	.070	.003	.0340	69,57	0,51	1,78	0,08	2-039			
2-040	-040	2 7/8	3	1/16	2.864	.020	.070	.003	.0355	72,75	0,51	1,78	0,08	2-040			

- (a) The rubber compound must be added when ordering by the 2-size number (i.e., 2-007 N0674-70). .040 Area = .001256
- (b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix. .050 Area = .001964
.060 Area = .002827
.070 Area = .003848
- (c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information. (sq. in.)

Table 9-1: Parker Series 2-XXX O-Ring Sizes

Parker O-Ring Handbook

Parker Series 2-XXX O-Ring Sizes (Continued)

1	2	3			4				5	6				7
		Nominal Size			Standard O-Ring Size (Units are in Inches)					Metric O-Ring Size (Units are in Millimeters)				
(Size Only)	(Size Only)	(Inches)			Actual (b) Per AS 568A				Actual (b) Per AS 568A					
Parker Size No. (Size Only)	AS 568A Uniform	(Ref. Only)			I.D.	Tolerance		W	Basic Volume	I.D.	Tolerance		W	Parker Size No. (Size Only)
(a)	Dash No.	I.D.	O.D.	W.		±	±				Cu. In.	±		
2-041	-041	3	3 1/8	1/16	2.989	.024	.070	.003	.0370	75,92	0,61	1,78	0,08	2-041
2-042	-042	3 1/4	3 3/8	1/16	3.239	.024	.070	.003	.0400	82,27	0,61	1,78	0,08	2-042
2-043	-043	3 1/2	3 5/8	1/16	3.489	.024	.070	.003	.0430	88,62	0,61	1,78	0,08	2-043
2-044	-044	3 3/4	3 7/8	1/16	3.739	.027	.070	.003	.0460	94,97	0,69	1,78	0,08	2-044
2-045	-045	4	4 1/8	1/16	3.989	.027	.070	.003	.0491	101,32	0,69	1,78	0,08	2-045
2-046	-046	4 1/4	4 3/8	1/16	4.239	.030	.070	.003	.0521	107,67	0,76	1,78	0,08	2-046
2-047	-047	4 1/2	4 5/8	1/16	4.489	.030	.070	.003	.0551	114,02	0,76	1,78	0,08	2-047
2-048	-048	4 3/4	4 7/8	1/16	4.739	.030	.070	.003	.0581	120,37	0,76	1,78	0,08	2-048
2-049	-049	5	5 1/8	1/16	4.989	.037	.070	.003	.0612	126,72	0,94	1,78	0,08	2-049
2-050	-050	5 1/4	5 3/8	1/16	5.239	.037	.070	.003	.0642	133,07	0,94	1,78	0,08	2-050
2-102	-102	1/16	1/4	3/32	.049	.005	.103	.003	.0040	1,24	0,13	2,62	0,08	2-102
2-103	-103	3/32	9/32	3/32	.081	.005	.103	.003	.0048	2,06	0,13	2,62	0,08	2-103
2-104	-104	1/8	5/16	3/32	.112	.005	.103	.003	.0056	2,84	0,13	2,62	0,08	2-104
2-105	-105	5/32	11/32	3/32	.143	.005	.103	.003	.0064	3,63	0,13	2,62	0,08	2-105
2-106	-106	3/16	3/8	3/32	.174	.005	.103	.003	.0072	4,42	0,13	2,62	0,08	2-106
2-107	-107	7/32	13/32	3/32	.206	.005	.103	.003	.0081	5,23	0,13	2,62	0,08	2-107
2-108	-108	1/4	7/16	3/32	.237	.005	.103	.003	.0089	6,02	0,13	2,62	0,08	2-108
2-109	-109	5/16	1/2	3/32	.299	.005	.103	.003	.0105	7,59	0,13	2,62	0,08	2-109
2-110	-110	3/8	9/16	3/32	.362	.005	.103	.003	.0122	9,19	0,13	2,62	0,08	2-110
2-111	-111	7/16	5/8	3/32	.424	.005	.103	.003	.0138	10,77	0,13	2,62	0,08	2-111
2-112	-112	1/2	11/16	3/32	.487	.005	.103	.003	.0154	12,37	0,13	2,62	0,08	2-112
2-113	-113	9/16	3/4	3/32	.549	.007	.103	.003	.0171	13,94	0,18	2,62	0,08	2-113
2-114	-114	5/8	13/16	3/32	.612	.009	.103	.003	.0187	15,54	0,23	2,62	0,08	2-114
2-115	-115	11/16	7/8	3/32	.674	.009	.103	.003	.0203	17,12	0,23	2,62	0,08	2-115
2-116	-116	3/4	15/16	3/32	.737	.009	.103	.003	.0220	18,72	0,23	2,62	0,08	2-116
2-117	-117	13/16	1	3/32	.799	.010	.103	.003	.0236	20,30	0,25	2,62	0,08	2-117
2-118	-118	7/8	1 1/16	3/32	.862	.010	.103	.003	.0253	21,89	0,25	2,62	0,08	2-118
2-119	-119	15/16	1 1/8	3/32	.924	.010	.103	.003	.0269	23,47	0,25	2,62	0,08	2-119
2-120	-120	1	1 3/16	3/32	.987	.010	.103	.003	.0285	25,07	0,25	2,62	0,08	2-120
2-121	-121	1 1/16	1 1/4	3/32	1.049	.010	.103	.003	.0302	26,64	0,25	2,62	0,08	2-121
2-122	-122	1 1/8	1 5/16	3/32	1.112	.010	.103	.003	.0318	28,24	0,25	2,62	0,08	2-122
2-123	-123	1 3/16	1 3/8	3/32	1.174	.012	.103	.003	.0334	29,82	0,30	2,62	0,08	2-123
2-124	-124	1 1/4	1 7/16	3/32	1.237	.012	.103	.003	.0351	31,42	0,30	2,62	0,08	2-124
2-125	-125	1 5/16	1 1/2	3/32	1.299	.012	.103	.003	.0367	32,99	0,30	2,62	0,08	2-125
2-126	-126	1 3/8	1 9/16	3/32	1.362	.012	.103	.003	.0383	34,59	0,30	2,62	0,08	2-126
2-127	-127	1 7/16	1 5/8	3/32	1.424	.012	.103	.003	.0400	36,17	0,30	2,62	0,08	2-127
2-128	-128	1 1/2	1 11/16	3/32	1.487	.012	.103	.003	.0416	37,77	0,30	2,62	0,08	2-128
2-129	-129	1 9/16	1 3/4	3/32	1.549	.015	.103	.003	.0432	39,34	0,38	2,62	0,08	2-129
2-130	-130	1 5/8	1 13/16	3/32	1.612	.015	.103	.003	.0449	40,94	0,38	2,62	0,08	2-130
2-131	-131	1 11/16	1 7/8	3/32	1.674	.015	.103	.003	.0465	42,52	0,38	2,62	0,08	2-131

(a) The rubber compound must be added when ordering by the 2-size number (i.e., 2-007 N0674-70). .070 Area = .003848

(b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. .103 Area = .008332
 O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix. (sq. in.)

(c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information.

Table 9-1: Parker Series 2-XXX O-Ring Sizes (Continued)

Parker O-Ring Handbook

Parker Series 2-XXX O-Ring Sizes (Continued)

1	2	3			4				5	6				7
		Nominal Size			Standard O-Ring Size (Units are in Inches)					Metric O-Ring Size (Units are in Millimeters)				
(Size Only)	(Size Only)	(Inches)			Actual (b) Per AS 568A				Actual (b) Per AS 568A					
Parker Size No. (Size Only)	AS 568A Uniform Dash No.	(Ref. Only)			I.D.	Tolerance ±	W	±	Basic Volume Cu. In.	I.D.	Tolerance ±	W	±	Parker Size No. (Size Only)
		I.D.	O.D.	W.										
2-132	-132	1 3/4	1 15/16	3/32	1.737	.015	.103	.003	.0482	44,12	0,38	2,62	0,08	2-132
2-133	-133	1 13/16	2	3/32	1.799	.015	.103	.003	.0498	45,69	0,38	2,62	0,08	2-133
2-134	-134	1 7/8	2 1/16	3/32	1.862	.015	.103	.003	.0514	47,29	0,38	2,62	0,08	2-134
2-135	-135	1 15/16	2 1/8	3/32	1.925	.017	.103	.003	.0531	48,90	0,43	2,62	0,08	2-135
2-136	-136	2	2 3/16	3/32	1.987	.017	.103	.003	.0547	50,47	0,43	2,62	0,08	2-136
2-137	-137	2 1/16	2 1/4	3/32	2.050	.017	.103	.003	.0564	52,07	0,43	2,62	0,08	2-137
2-138	-138	2 1/8	2 5/16	3/32	2.112	.017	.103	.003	.0580	53,64	0,43	2,62	0,08	2-138
2-139	-139	2 3/16	2 3/8	3/32	2.175	.017	.103	.003	.0596	55,25	0,43	2,62	0,08	2-139
2-140	-140	2 1/4	2 7/16	3/32	2.237	.017	.103	.003	.0612	56,82	0,43	2,62	0,08	2-140
2-141	-141	2 5/16	2 1/2	3/32	2.300	.020	.103	.003	.0629	58,42	0,51	2,62	0,08	2-141
2-142	-142	2 3/8	2 9/16	3/32	2.362	.020	.103	.003	.0645	59,99	0,51	2,62	0,08	2-142
2-143	-143	2 7/16	2 5/8	3/32	2.425	.020	.103	.003	.0662	61,60	0,51	2,62	0,08	2-143
2-144	-144	2 1/2	2 11/16	3/32	2.487	.020	.103	.003	.0678	63,17	0,51	2,62	0,08	2-144
2-145	-145	2 9/16	2 3/4	3/32	2.550	.020	.103	.003	.0694	64,77	0,51	2,62	0,08	2-145
2-146	-146	2 5/8	2 13/16	3/32	2.612	.020	.103	.003	.0711	66,34	0,51	2,62	0,08	2-146
2-147	-147	2 11/16	2 7/8	3/32	2.675	.022	.103	.003	.0727	67,95	0,56	2,62	0,08	2-147
2-148	-148	2 3/4	2 15/16	3/32	2.737	.022	.103	.003	.0743	69,52	0,56	2,62	0,08	2-148
2-149	-149	2 13/16	3	3/32	2.800	.022	.103	.003	.0760	71,12	0,56	2,62	0,08	2-149
2-150	-150	2 7/8	3 1/16	3/32	2.862	.022	.103	.003	.0776	72,69	0,56	2,62	0,08	2-150
2-151	-151	3	3 3/16	3/32	2.987	.024	.103	.003	.0809	75,87	0,61	2,62	0,08	2-151
2-152	-152	3 1/4	3 7/16	3/32	3.237	.024	.103	.003	.0874	82,22	0,61	2,62	0,08	2-152
2-153	-153	3 1/2	3 11/16	3/32	3.487	.024	.103	.003	.0940	88,57	0,61	2,62	0,08	2-153
2-154	-154	3 3/4	3 15/16	3/32	3.737	.028	.103	.003	.1005	94,92	0,71	2,62	0,08	2-154
2-155	-155	4	4 3/16	3/32	3.987	.028	.103	.003	.1071	101,27	0,71	2,62	0,08	2-155
2-156	-156	4 1/4	4 7/16	3/32	4.237	.030	.103	.003	.1136	107,62	0,76	2,62	0,08	2-156
2-157	-157	4 1/2	4 11/16	3/32	4.487	.030	.103	.003	.1202	113,97	0,76	2,62	0,08	2-157
2-158	-158	4 3/4	4 15/16	3/32	4.737	.030	.103	.003	.1267	120,32	0,76	2,62	0,08	2-158
2-159	-159	5	5 3/16	3/32	4.987	.035	.103	.003	.1332	126,67	0,89	2,62	0,08	2-159
2-160	-160	5 1/4	5 7/16	3/32	5.237	.035	.103	.003	.1398	133,02	0,89	2,62	0,08	2-160
2-161	-161	5 1/2	5 11/16	3/32	5.487	.035	.103	.003	.1463	139,37	0,89	2,62	0,08	2-161
2-162	-162	5 3/4	5 15/16	3/32	5.737	.035	.103	.003	.1529	145,72	0,89	2,62	0,08	2-162
2-163	-163	6	6 3/16	3/32	5.987	.035	.103	.003	.1594	152,07	0,89	2,62	0,08	2-163
2-164	-164	6 1/4	6 7/16	3/32	6.237	.040	.103	.003	.1660	158,42	1,02	2,62	0,08	2-164
2-165	-165	6 1/2	6 11/16	3/32	6.487	.040	.103	.003	.1725	164,77	1,02	2,62	0,08	2-165
2-166	-166	6 3/4	6 15/16	3/32	6.737	.040	.103	.003	.1790	171,12	1,02	2,62	0,08	2-166
2-167	-167	7	7 3/16	3/32	6.987	.040	.103	.003	.1856	177,47	1,02	2,62	0,08	2-167
2-168	-168	7 1/4	7 7/16	3/32	7.237	.045	.103	.003	.1921	183,82	1,14	2,62	0,08	2-168
2-169	-169	7 1/2	7 11/16	3/32	7.487	.045	.103	.003	.1987	190,17	1,14	2,62	0,08	2-169
2-170	-170	7 3/4	7 15/16	3/32	7.737	.045	.103	.003	.2052	196,52	1,14	2,62	0,08	2-170
2-171	-171	8	8 3/16	3/32	7.987	.045	.103	.003	.2118	202,87	1,14	2,62	0,08	2-171

- (a) The rubber compound must be added when ordering by the 2-size number (i.e., 2-007 N0674-70). .103 Area = .008332
- (b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. (sq. in.)
O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix.
- (c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information.

Table 9-1: Parker Series 2-XXX O-Ring Sizes (Continued)

Parker O-Ring Handbook

Parker Series 2-XXX O-Ring Sizes (Continued)

1	2	3			4				5	6				7
		Nominal Size			Standard O-Ring Size (Units are in Inches)					Metric O-Ring Size (Units are in Millimeters)				
(Size Only)	(Size Only)	(Inches)			Actual (b) Per AS 568A				Actual (b) Per AS 568A					
Parker Size No. (Size Only)	AS 568A Uniform	(Ref. Only)			I.D.	Tolerance	W	±	Basic Volume	I.D.	Tolerance	W	±	Parker Size No. (Size Only)
(a)	Dash No.	I.D.	O.D.	W.										
2-172	-172	8 1/4	8 7/16	3/32	8.237	.050	.103	.003	.2183	209,22	1,27	2,62	0,08	2-172
2-173	-173	8 1/2	8 11/16	3/32	8.487	.050	.103	.003	.2249	215,57	1,27	2,62	0,08	2-173
2-174	-174	8 3/4	8 15/16	3/32	8.737	.050	.103	.003	.2314	221,92	1,27	2,62	0,08	2-174
2-175	-175	9	9 3/16	3/32	8.987	.050	.103	.003	.2379	228,27	1,27	2,62	0,08	2-175
2-176	-176	9 1/4	9 7/16	3/32	9.237	.055	.103	.003	.2445	234,62	1,40	2,62	0,08	2-176
2-177	-177	9 1/2	9 11/16	3/32	9.487	.055	.103	.003	.2510	240,97	1,40	2,62	0,08	2-177
2-178	-178	9 3/4	9 15/16	3/32	9.737	.055	.103	.003	.2576	247,32	1,40	2,62	0,08	2-178
2-201	-201	3/16	7/16	1/8	.171	.055	.139	.004	.0148	4,34	0,13	3,53	0,10	2-201
2-202	-202	1/4	1/2	1/8	.234	.005	.139	.004	.0178	5,94	0,13	3,53	0,10	2-202
2-203	-203	5/16	9/16	1/8	.296	.005	.139	.004	.0207	7,52	0,13	3,53	0,10	2-203
2-204	-204	3/8	5/8	1/8	.359	.005	.139	.004	.0237	9,12	0,13	3,53	0,10	2-204
2-205	-205	7/16	11/16	1/8	.421	.005	.139	.004	.0267	10,69	0,13	3,53	0,10	2-205
2-206	-206	1/2	3/4	1/8	.484	.005	.139	.004	.0297	12,29	0,13	3,53	0,10	2-206
2-207	-207	9/16	13/16	1/8	.546	.007	.139	.004	.0327	13,87	0,18	3,53	0,10	2-207
2-208	-208	5/8	7/8	1/8	.609	.009	.139	.004	.0357	15,47	0,23	3,53	0,10	2-208
2-209	-209	11/16	15/16	1/8	.671	.010	.139	.004	.0386	17,04	0,23	3,53	0,10	2-209
2-210	-210	3/4	1	1/8	.734	.010	.139	.004	.0416	18,64	0,25	3,53	0,10	2-210
2-211	-211	13/16	1 1/16	1/8	.796	.010	.139	.004	.0446	20,22	0,25	3,53	0,10	2-211
2-212	-212	7/8	1 1/8	1/8	.859	.010	.139	.004	.0476	21,82	0,25	3,53	0,10	2-212
2-213	-213	15/16	1 3/16	1/8	.921	.010	.139	.004	.0505	23,39	0,25	3,53	0,10	2-213
2-214	-214	1	1 1/4	1/8	.984	.010	.139	.004	.0535	24,99	0,25	3,53	0,10	2-214
2-215	-215	1 1/16	1 5/16	1/8	1.046	.010	.139	.004	.0565	26,57	0,25	3,53	0,10	2-215
2-216	-216	1 1/8	1 3/8	1/8	1.109	.012	.139	.004	.0595	28,17	0,30	3,53	0,10	2-216
2-217	-217	1 3/16	1 7/16	1/8	1.171	.012	.139	.004	.0624	29,74	0,30	3,53	0,10	2-217
2-218	-218	1 1/4	1 1/2	1/8	1.234	.012	.139	.004	.0654	31,34	0,30	3,53	0,10	2-218
2-219	-219	1 5/16	1 9/16	1/8	1.296	.012	.139	.004	.0684	32,92	0,30	3,53	0,10	2-219
2-220	-220	1 3/8	1 5/8	1/8	1.359	.012	.139	.004	.0714	34,52	0,30	3,53	0,10	2-220
2-221	-221	1 7/16	1 11/16	1/8	1.421	.012	.139	.004	.0744	36,09	0,30	3,53	0,10	2-221
2-222	-222	1 1/2	1 3/4	1/8	1.484	.015	.139	.004	.0774	37,69	0,38	3,53	0,10	2-222
2-223	-223	1 5/8	1 7/8	1/8	1.609	.015	.139	.004	.0833	40,87	0,38	3,53	0,10	2-223
2-224	-224	1 3/4	2	1/8	1.734	.015	.139	.004	.0893	44,04	0,38	3,53	0,10	2-224
2-225	-225	1 7/8	2 1/8	1/8	1.859	.018	.139	.004	.0952	47,22	0,46	3,53	0,10	2-225
2-226	-226	2	2 1/4	1/8	1.984	.018	.139	.004	.1012	50,39	0,46	3,53	0,10	2-226
2-227	-227	2 1/16	2 3/8	1/8	2.109	.018	.139	.004	.1072	53,57	0,46	3,53	0,10	2-227
2-228	-228	2 1/4	2 1/2	1/8	2.234	.020	.139	.004	.1131	56,74	0,51	3,53	0,10	2-228
2-229	-229	2 3/8	2 5/8	1/8	2.359	.020	.139	.004	.1191	59,92	0,51	3,53	0,10	2-229
2-230	-230	2 1/2	2 3/4	1/8	2.484	.020	.139	.004	.1250	63,09	0,51	3,53	0,10	2-230
2-231	-231	2 5/8	2 7/8	1/8	2.609	.020	.139	.004	.1310	66,27	0,51	3,53	0,10	2-231
2-232	-232	2 3/4	3	1/8	2.734	.024	.139	.004	.1370	69,44	0,61	3,53	0,10	2-232
2-233	-233	2 7/8	3 1/8	1/8	2.859	.024	.139	.004	.1429	72,62	0,61	3,53	0,10	2-233

(a) The rubber compound must be added when ordering by the 2-size number (i.e., 2-007 N0674-70). .103 Area = .008332

(b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. .139 Area = .015175
 O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix. (sq. in.)

(c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information.

Table 9-1: Parker Series 2-XXX O-Ring Sizes (Continued)

Parker O-Ring Handbook

Parker Series 2-XXX O-Ring Sizes (Continued)

1	2	3			4				5	6				7
		Nominal Size		Standard O-Ring Size (Units are in Inches)	(Ref. Only)	Metric O-Ring Size (Units are in Millimeters)								
(Size Only)	(Size Only)	(Inches)				Actual (b) Per AS 568A				Actual (b) Per AS 568A				
Parker Size No. (Size Only)	AS 568A Uniform Dash No.	(Ref. Only)			I.D.	Tolerance ±	W	±	Basic Volume Cu. In.	I.D.	Tolerance ±	W	±	Parker Size No. (Size Only)
		I.D.	O.D.	W.										
2-234	-234	3	3 1/4	1/8	2.984	.024	.139	.004	.1489	75,79	0,61	3,53	0,10	2-234
2-235	-235	3 1/8	3 3/8	1/8	3.109	.024	.139	.004	.1548	78,97	0,61	3,53	0,10	2-235
2-236	-236	3 1/4	3 1/2	1/8	3.234	.024	.139	.004	.1608	82,14	0,61	3,53	0,10	2-236
2-237	-237	3 3/8	3 5/8	1/8	3.359	.024	.139	.004	.1668	85,32	0,61	3,53	0,10	2-237
2-238	-238	3 1/2	3 3/4	1/8	3.484	.024	.139	.004	.1727	88,49	0,61	3,53	0,10	2-238
2-239	-239	3 5/8	3 7/8	1/8	3.609	.028	.139	.004	.1787	91,67	0,71	3,53	0,10	2-239
2-240	-240	3 3/4	4	1/8	3.734	.028	.139	.004	.1846	94,84	0,71	3,53	0,10	2-240
2-241	-241	3 7/8	4 1/8	1/8	3.859	.028	.139	.004	.1906	98,02	0,71	3,53	0,10	2-241
2-242	-242	4	4 1/4	1/8	3.984	.028	.139	.004	.1966	101,19	0,71	3,53	0,10	2-242
2-243	-243	4 1/8	4 3/8	1/8	4.109	.028	.139	.004	.2025	104,37	0,71	3,53	0,10	2-243
2-244	-244	4 1/4	4 1/2	1/8	4.234	.030	.139	.004	.2085	107,54	0,76	3,53	0,10	2-244
2-245	-245	4 3/8	4 5/8	1/8	4.359	.030	.139	.004	.2144	110,72	0,76	3,53	0,10	2-245
2-246	-246	4 1/2	4 3/4	1/8	4.484	.030	.139	.004	.2204	113,89	0,76	3,53	0,10	2-246
2-247	-247	4 5/8	4 7/8	1/8	4.609	.030	.139	.004	.2264	117,07	0,76	3,53	0,10	2-247
2-248	-248	4 3/4	5	1/8	4.734	.030	.139	.004	.2323	120,24	0,76	3,53	0,10	2-248
2-249	-249	4 7/8	5 1/8	1/8	4.859	.035	.139	.004	.2383	123,42	0,89	3,53	0,10	2-249
2-250	-250	5	5 1/4	1/8	4.984	.035	.139	.004	.2442	126,59	0,89	3,53	0,10	2-250
2-251	-251	5 1/8	5 3/8	1/8	5.109	.035	.139	.004	.2502	129,77	0,89	3,53	0,10	2-251
2-252	-252	5 1/4	5 1/2	1/8	5.234	.035	.139	.004	.2561	132,94	0,89	3,53	0,10	2-252
2-253	-253	5 3/8	5 5/8	1/8	5.359	.035	.139	.004	.2621	136,12	0,89	3,53	0,10	2-253
2-254	-254	5 1/2	5 3/4	1/8	5.484	.035	.139	.004	.2681	139,29	0,89	3,53	0,10	2-254
2-255	-255	5 5/8	5 7/8	1/8	5.609	.035	.139	.004	.2740	142,47	0,89	3,53	0,10	2-255
2-256	-256	5 3/4	6	1/8	5.734	.035	.139	.004	.2800	145,64	0,89	3,53	0,10	2-256
2-257	-257	5 7/8	6 1/8	1/8	5.859	.035	.139	.004	.2859	148,82	0,89	3,53	0,10	2-257
2-258	-258	6	6 1/4	1/8	5.984	.035	.139	.004	.2919	151,99	0,89	3,53	0,10	2-258
2-259	-259	6 1/4	6 1/2	1/8	6.234	.040	.139	.004	.3038	158,34	1,02	3,53	0,10	2-259
2-260	-260	6 1/2	6 3/4	1/8	6.484	.040	.139	.004	.3157	164,69	1,02	3,53	0,10	2-260
2-261	-261	6 3/4	7	1/8	6.734	.040	.139	.004	.3277	171,04	1,02	3,53	0,10	2-261
2-262	-262	7	7 1/4	1/8	6.984	.040	.139	.004	.3396	177,39	1,02	3,53	0,10	2-262
2-263	-263	7 1/4	7 1/2	1/8	7.234	.045	.139	.004	.3515	183,74	1,14	3,53	0,10	2-263
2-264	-264	7 1/2	7 3/4	1/8	7.484	.045	.139	.004	.3634	190,09	1,14	3,53	0,10	2-264
2-265	-265	7 3/4	8	1/8	7.734	.045	.139	.004	.3753	196,44	1,14	3,53	0,10	2-265
2-266	-266	8	8 1/4	1/8	7.984	.045	.139	.004	.3872	202,79	1,14	3,53	0,10	2-266
2-267	-267	8 1/4	8 1/2	1/8	8.234	.050	.139	.004	.3992	209,14	1,27	3,53	0,10	2-267
2-268	-268	8 1/2	8 3/4	1/8	8.484	.050	.139	.004	.4111	215,49	1,27	3,53	0,10	2-268
2-269	-269	8 3/4	9	1/8	8.734	.050	.139	.004	.4230	221,84	1,27	3,53	0,10	2-269
2-270	-270	9	9 1/4	1/8	8.984	.050	.139	.004	.4349	228,19	1,27	3,53	0,10	2-270
2-271	-271	9 1/4	9 1/2	1/8	9.234	.055	.139	.004	.4468	234,54	1,40	3,53	0,10	2-271
2-272	-272	9 1/2	9 3/4	1/8	9.484	.055	.139	.004	.4588	240,89	1,40	3,53	0,10	2-272
2-273	-273	9 3/4	10	1/8	9.734	.055	.139	.004	.4707	247,24	1,40	3,53	0,10	2-273

- (a) The rubber compound must be added when ordering by the 2-size number (i.e., 2-007 N0674-70). .139 Area = .015175
- (b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. (sq. in.)
O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix.
- (c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information.

Table 9-1: Parker Series 2-XXX O-Ring Sizes (Continued)

Parker O-Ring Handbook

Parker Series 2-XXX O-Ring Sizes (Continued)

1	2	3			4				5	6				7
		Nominal Size			Standard O-Ring Size (Units are in Inches)					Metric O-Ring Size (Units are in Millimeters)				
(Size Only)	(Size Only)	(Inches)			Actual (b) Per AS 568A				Actual (b) Per AS 568A					
Parker Size No. (Size Only)	AS 568A Uniform	(Ref. Only)			I.D.	Tolerance	W	±	Basic Volume	I.D.	Tolerance	W	±	Parker Size No. (Size Only)
(a)	Dash No.	I.D.	O.D.	W.										
2-274	-274	10	10 1/4	1/8	9.984	.055	.139	.004	.4826	253,59	1,40	3,53	0,10	2-274
2-275	-275	10 1/2	10 3/4	1/8	10.484	.055	.139	.004	.5064	266,29	1,40	3,53	0,10	2-275
2-276	-276	11	11 1/4	1/8	10.984	.065	.139	.004	.5303	278,99	1,65	3,53	0,10	2-276
2-277	-277	11 1/2	11 3/4	1/8	11.484	.065	.139	.004	.5541	291,69	1,65	3,53	0,10	2-277
2-278	-278	12	12 1/4	1/8	11.984	.065	.139	.004	.5779	304,39	1,65	3,53	0,10	2-278
2-279	-279	13	13 1/4	1/8	12.984	.065	.139	.004	.6256	329,79	1,65	3,53	0,10	2-279
2-280	-280	14	14 1/4	1/8	13.984	.065	.139	.004	.6733	355,19	1,65	3,53	0,10	2-280
2-281	-281	15	15 1/4	1/8	14.984	.065	.139	.004	.7210	380,59	1,65	3,53	0,10	2-281
2-282	-282	16	16 1/4	1/8	15.955	.075	.139	.004	.7672	405,26	1,91	3,53	0,10	2-282
2-283	-283	17	17 1/4	1/8	16.955	.080	.139	.004	.8149	430,66	2,03	3,53	0,10	2-283
2-284	-284	18	18 1/4	1/8	17.955	.085	.139	.004	.8626	456,06	2,16	3,53	0,10	2-284
2-309	-309	7/16	13/16	3/16	.412	.005	.210	.005	.0677	10,46	0,13	5,33	0,13	2-309
2-310	-310	1/2	7/8	3/16	.475	.005	.210	.005	.0745	12,07	0,13	5,33	0,13	2-310
2-311	-311	9/16	15/16	3/16	.537	.007	.210	.005	.0813	13,64	0,18	5,33	0,13	2-311
2-312	-312	5/8	1	3/16	.600	.009	.210	.005	.0881	15,24	0,23	5,33	0,13	2-312
2-313	-313	11/16	1 1/16	3/16	.662	.009	.210	.005	.0949	16,81	0,23	5,33	0,13	2-313
2-314	-314	3/4	1 1/8	3/16	.725	.010	.210	.005	.1017	18,42	0,25	5,33	0,13	2-314
2-315	-315	13/16	1 3/16	3/16	.787	.010	.210	.005	.1085	19,99	0,25	5,33	0,13	2-315
2-316	-316	7/8	1 1/4	3/16	.850	.010	.210	.005	.1153	21,59	0,25	5,33	0,13	2-316
2-317	-317	15/16	1 5/16	3/16	.912	.010	.210	.005	.1221	23,16	0,25	5,33	0,13	2-317
2-318	-318	1	1 3/8	3/16	.975	.010	.210	.005	.1289	24,77	0,25	5,33	0,13	2-318
2-319	-319	1 1/16	1 7/16	3/16	1.037	.010	.210	.005	.1357	26,34	0,25	5,33	0,13	2-319
2-320	-320	1 1/8	1 1/2	3/16	1.100	.012	.210	.005	.1425	27,94	0,30	5,33	0,13	2-320
2-321	-321	1 3/16	1 9/16	3/16	1.162	.012	.210	.005	.1493	29,51	0,30	5,33	0,13	2-321
2-322	-322	1 1/4	1 5/8	3/16	1.225	.012	.210	.005	.1561	31,12	0,30	5,33	0,13	2-322
2-323	-323	1 5/16	1 11/16	3/16	1.287	.012	.210	.005	.1629	32,69	0,30	5,33	0,13	2-323
2-324	-324	1 3/8	1 3/4	3/16	1.350	.012	.210	.005	.1697	34,29	0,30	5,33	0,13	2-324
2-325	-325	1 1/2	1 7/8	3/16	1.475	.015	.210	.005	.1833	37,47	0,38	5,33	0,13	2-325
2-326	-326	1 5/8	2	3/16	1.600	.015	.210	.005	.1970	40,64	0,38	5,33	0,13	2-326
2-327	-327	1 3/4	2 1/8	3/16	1.725	.015	.210	.005	.2106	43,82	0,38	5,33	0,13	2-327
2-328	-328	1 7/8	2 1/4	3/16	1.850	.015	.210	.005	.2242	46,99	0,38	5,33	0,13	2-328
2-329	-329	2	2 3/8	3/16	1.975	.018	.210	.005	.2378	50,17	0,46	5,33	0,13	2-329
2-330	-330	2 1/8	2 1/2	3/16	2.100	.018	.210	.005	.2514	53,34	0,46	5,33	0,13	2-330
2-331	-331	2 1/4	2 5/8	3/16	2.225	.018	.210	.005	.2650	56,52	0,46	5,33	0,13	2-331
2-332	-332	2 3/8	2 3/4	3/16	2.350	.018	.210	.005	.2786	59,69	0,46	5,33	0,13	2-332
2-333	-333	2 1/2	2 7/8	3/16	2.475	.020	.210	.005	.2922	62,87	0,51	5,33	0,13	2-333
2-334	-334	2 5/8	3	3/16	2.600	.020	.210	.005	.3058	66,04	0,51	5,33	0,13	2-334
2-335	-335	2 3/4	3 1/8	3/16	2.725	.020	.210	.005	.3194	69,22	0,51	5,33	0,13	2-335
2-336	-336	2 7/8	3 1/4	3/16	2.850	.020	.210	.005	.3330	72,39	0,51	5,33	0,13	2-336
2-337	-337	3	3 3/8	3/16	2.975	.024	.210	.005	.3466	75,57	0,61	5,33	0,13	2-337

- (a) The rubber compound must be added when ordering by the 2-size number (i.e., 2-007 N0674-70). .139 Area = .015175
- (b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. .210 Area = .034636
 O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix. (sq. in.)
- (c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information.

Table 9-1: Parker Series 2-XXX O-Ring Sizes (Continued)

Parker O-Ring Handbook

Parker Series 2-XXX O-Ring Sizes (Continued)

1	2	3			4				5	6				7
		Nominal Size		Standard O-Ring Size (Units are in Inches)	(Ref. Only)	Metric O-Ring Size (Units are in Millimeters)								
(Size Only)	(Size Only)	(Inches)				Actual (b) Per AS 568A				Actual (b) Per AS 568A				
Parker Size No. (Size Only)	AS 568A Uniform (Ref. Only)	(Ref. Only)			I.D.	Tolerance ±	W	±	Basic Volume Cu. In.	I.D.	Tolerance ±	W	±	Parker Size No. (Size Only)
(a)	Dash No.	I.D.	O.D.	W.										
2-338	-338	3 1/8	3 1/2	3/16	3.100	.024	.210	.005	.3602	78,74	0,61	5,33	0,13	2-338
2-339	-339	3 1/4	3 5/8	3/16	3.225	.024	.210	.005	.3738	81,92	0,61	5,33	0,13	2-339
2-340	-340	3 3/8	3 3/4	3/16	3.350	.024	.210	.005	.3874	85,09	0,61	5,33	0,13	2-340
2-341	-341	3 1/2	3 7/8	3/16	3.475	.024	.210	.005	.4010	88,27	0,61	5,33	0,13	2-341
2-342	-342	3 5/8	4	3/16	3.600	.028	.210	.005	.4146	91,44	0,71	5,33	0,13	2-342
2-343	-343	3 3/4	4 1/8	3/16	3.725	.028	.210	.005	.4282	94,62	0,71	5,33	0,13	2-343
2-344	-344	3 7/8	4 1/4	3/16	3.850	.028	.210	.005	.4418	97,79	0,71	5,33	0,13	2-344
2-345	-345	4	4 3/8	3/16	3.975	.028	.210	.005	.4554	100,97	0,71	5,33	0,13	2-345
2-346	-346	4 1/8	4 1/2	3/16	4.100	.028	.210	.005	.4690	104,14	0,71	5,33	0,13	2-346
2-347	-347	4 1/4	4 5/8	3/16	4.225	.030	.210	.005	.4826	107,32	0,76	5,33	0,13	2-347
2-348	-348	4 3/8	4 3/4	3/16	4.350	.030	.210	.005	.4962	110,49	0,76	5,33	0,13	2-348
2-349	-349	4 1/2	4 7/8	3/16	4.475	.030	.210	.005	.5098	113,67	0,76	5,33	0,13	2-349
2-350	-350	4 5/8	5	3/16	4.600	.030	.210	.005	.5234	116,84	0,76	5,33	0,13	2-350
2-351	-351	4 3/4	5 1/8	3/16	4.725	.030	.210	.005	.5370	120,02	0,76	5,33	0,13	2-351
2-352	-352	4 7/8	5 1/4	3/16	4.850	.030	.210	.005	.5506	123,19	0,76	5,33	0,13	2-352
2-353	-353	5	5 3/8	3/16	4.975	.037	.210	.005	.5642	126,37	0,94	5,33	0,13	2-353
2-354	-354	5 1/8	5 1/2	3/16	5.100	.037	.210	.005	.5778	129,54	0,94	5,33	0,13	2-354
2-355	-355	5 1/4	5 5/8	3/16	5.225	.037	.210	.005	.5914	132,72	0,94	5,33	0,13	2-355
2-356	-356	5 3/8	5 3/4	3/16	5.350	.037	.210	.005	.6050	135,89	0,94	5,33	0,13	2-356
2-357	-357	5 1/2	5 7/8	3/16	5.475	.037	.210	.005	.6186	139,07	0,94	5,33	0,13	2-357
2-358	-358	5 5/8	6	3/16	5.600	.037	.210	.005	.6322	142,24	0,94	5,33	0,13	2-358
2-359	-359	5 3/4	6 1/8	3/16	5.725	.037	.210	.005	.6458	145,42	0,94	5,33	0,13	2-359
2-360	-360	5 7/8	6 1/4	3/16	5.850	.037	.210	.005	.6594	148,59	0,94	5,33	0,13	2-360
2-361	-361	6	6 3/8	3/16	5.975	.037	.210	.005	.6730	151,77	0,94	5,33	0,13	2-361
2-362	-362	6 1/4	6 5/8	3/16	6.225	.040	.210	.005	.7002	158,12	1,02	5,33	0,13	2-362
2-363	-363	6 1/2	6 7/8	3/16	6.475	.040	.210	.005	.7274	164,47	1,02	5,33	0,13	2-363
2-364	-364	6 3/4	7 1/8	3/16	6.725	.040	.210	.005	.7546	170,82	1,02	5,33	0,13	2-364
2-365	-365	7	7 3/8	3/16	6.975	.040	.210	.005	.7818	177,17	1,02	5,33	0,13	2-365
2-366	-366	7 1/4	7 5/8	3/16	7.225	.045	.210	.005	.8090	183,52	1,14	5,33	0,13	2-366
2-367	-367	7 1/2	7 7/8	3/16	7.475	.045	.210	.005	.8362	189,87	1,14	5,33	0,13	2-367
2-368	-368	7 3/4	8 1/8	3/16	7.725	.045	.210	.005	.8634	196,22	1,14	5,33	0,13	2-368
2-369	-369	8	8 3/8	3/16	7.975	.045	.210	.005	.8906	202,57	1,14	5,33	0,13	2-369
2-370	-370	8 1/4	8 5/8	3/16	8.225	.050	.210	.005	.9178	208,92	1,27	5,33	0,13	2-370
2-371	-371	8 1/2	8 7/8	3/16	8.475	.050	.210	.005	.9450	215,27	1,27	5,33	0,13	2-371
2-372	-372	8 3/4	9 1/8	3/16	8.725	.050	.210	.005	.9722	221,62	1,27	5,33	0,13	2-372
2-373	-373	9	9 3/8	3/16	8.975	.050	.210	.005	.9994	227,97	1,27	5,33	0,13	2-373
2-374	-374	9 1/4	9 5/8	3/16	9.225	.055	.210	.005	1.0266	234,32	1,40	5,33	0,13	2-374
2-375	-375	9 1/2	9 7/8	3/16	9.475	.055	.210	.005	1.0538	240,67	1,40	5,33	0,13	2-375
2-376	-376	9 3/4	10 1/8	3/16	9.725	.055	.210	.005	1.0810	247,02	1,40	5,33	0,13	2-376
2-377	-377	10	10 3/8	3/16	9.975	.055	.210	.005	1.1083	253,37	1,40	5,33	0,13	2-377

- (a) The rubber compound must be added when ordering by the 2-size number (i.e., 2-007 N0674-70). .210 Area = .034636
- (b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. (sq. in.)
O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix.
- (c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information.

Table 9-1: Parker Series 2-XXX O-Ring Sizes (Continued)

Parker O-Ring Handbook

Parker Series 2-XXX O-Ring Sizes (Continued)

1	2	3			4				5	6				7
		Nominal Size			Standard O-Ring Size (Units are in Inches)					Metric O-Ring Size (Units are in Millimeters)				
Parker Size No. (Size Only)	Size Only (Size Only)	(Inches)			Actual (b) Per AS 568A				(Ref. Only)	Actual (b) Per AS 568A				Parker Size No. (Size Only)
		(Ref. Only)			Tolerance	Basic Volume	Tolerance	Basic Volume		Tolerance				
(a)	AS 568A Uniform Dash No.	I.D.	O.D.	W.					I.D.		±	W	±	Cu. In.
2-378	-378	10 1/2	10 7/8	3/16	10.475	.060	.210	.005	1.1627	266,07	1,52	5,33	0,13	2-378
2-379	-379	11	11 3/8	3/16	10.975	.060	.210	.005	1.2171	278,77	1,52	5,33	0,13	2-379
2-380	-380	11 1/2	11 7/8	3/16	11.475	.065	.210	.005	1.2715	291,47	1,65	5,33	0,13	2-380
2-381	-381	12	12 3/8	3/16	11.975	.065	.210	.005	1.3259	304,17	1,65	5,33	0,13	2-381
2-382	-382	13	13 3/8	3/16	12.975	.065	.210	.005	1.4347	329,57	1,65	5,33	0,13	2-382
2-383	-383	14	14 3/8	3/16	13.975	.070	.210	.005	1.5435	354,97	1,78	5,33	0,13	2-383
2-384	-384	15	15 3/8	3/16	14.975	.070	.210	.005	1.6523	380,37	1,78	5,33	0,13	2-384
2-385	-385	16	16 3/8	3/16	15.955	.075	.210	.005	1.7590	405,26	1,91	5,33	0,13	2-385
2-386	-386	17	17 3/8	3/16	16.955	.080	.210	.005	1.8678	430,66	2,03	5,33	0,13	2-386
2-387	-387	18	18 3/8	3/16	17.955	.085	.210	.005	1.9766	456,06	2,16	5,33	0,13	2-387
2-388	-388	19	19 3/8	3/16	18.955	.090	.210	.005	2.0854	481,41	2,29	5,33	0,13	2-388
2-389	-389	20	20 3/8	3/16	19.955	.095	.210	.005	2.1942	506,81	2,41	5,33	0,13	2-389
2-390	-390	21	21 3/8	3/16	20.955	.095	.210	.005	2.3030	532,21	2,41	5,33	0,13	2-390
2-391	-391	22	22 3/8	3/16	21.955	.100	.210	.005	2.4118	557,61	2,54	5,33	0,13	2-391
2-392	-392	23	23 3/8	3/16	22.940	.105	.210	.005	2.5190	582,68	2,67	5,33	0,13	2-392
2-393	-393	24	24 3/8	3/16	23.940	.110	.210	.005	2.6278	608,08	2,79	5,33	0,13	2-393
2-394	-394	25	25 3/8	3/16	24.940	.115	.210	.005	2.7366	633,48	2,92	5,33	0,13	2-394
2-395	-395	26	26 3/8	3/16	25.940	.120	.210	.005	2.8454	658,88	3,05	5,33	0,13	2-395
2-425	-425	4 1/2	5	1/4	4.475	.033	.275	.006	.8863	113,67	0,84	6,99	0,15	2-425
2-426	-426	4 5/8	5 1/8	1/4	4.600	.033	.275	.006	.9097	116,84	0,84	6,99	0,15	2-426
2-427	-427	4 3/4	5 1/4	1/4	4.725	.033	.275	.006	.9330	120,02	0,84	6,99	0,15	2-427
2-428	-428	4 7/8	5 3/8	1/4	4.850	.033	.275	.006	.9563	123,19	0,84	6,99	0,15	2-428
2-429	-429	5	5 1/2	1/4	4.975	.037	.275	.006	.9796	126,37	0,94	6,99	0,15	2-429
2-430	-430	5 1/8	5 5/8	1/4	5.100	.037	.275	.006	1.0030	129,54	0,94	6,99	0,15	2-430
2-431	-431	5 1/4	5 3/4	1/4	5.225	.037	.275	.006	1.0263	132,72	0,94	6,99	0,15	2-431
2-432	-432	5 3/8	5 7/8	1/4	5.350	.037	.275	.006	1.0496	135,89	0,94	6,99	0,15	2-432
2-433	-433	5 1/2	6	1/4	5.475	.037	.275	.006	1.0729	139,07	0,94	6,99	0,15	2-433
2-434	-434	5 5/8	6 1/8	1/4	5.600	.037	.275	.006	1.0963	142,24	0,94	6,99	0,15	2-434
2-435	-435	5 3/4	6 1/4	1/4	5.725	.037	.275	.006	1.1196	145,42	0,94	6,99	0,15	2-435
2-436	-436	5 7/8	6 3/8	1/4	5.850	.037	.275	.006	1.1429	148,59	0,94	6,99	0,15	2-436
2-437	-437	6	6 1/2	1/4	5.975	.037	.275	.006	1.1662	151,77	0,94	6,99	0,15	2-437
2-438	-438	6 1/4	6 3/4	1/4	6.225	.040	.275	.006	1.2129	158,12	1,02	6,99	0,15	2-438
2-439	-439	6 1/2	7	1/4	6.475	.040	.275	.006	1.2595	164,47	1,02	6,99	0,15	2-439
2-440	-440	6 3/4	7 1/4	1/4	6.725	.040	.275	.006	1.3062	170,82	1,02	6,99	0,15	2-440
2-441	-441	7	7 1/2	1/4	6.975	.040	.275	.006	1.3528	177,17	1,02	6,99	0,15	2-441
2-442	-442	7 1/4	7 3/4	1/4	7.225	.045	.275	.006	1.3995	183,52	1,14	6,99	0,15	2-442
2-443	-443	7 1/2	8	1/4	7.475	.045	.275	.006	1.4461	189,87	1,14	6,99	0,15	2-443
2-444	-444	7 3/4	8 1/4	1/4	7.725	.045	.275	.006	1.4928	196,22	1,14	6,99	0,15	2-444
2-445	-445	8	8 1/2	1/4	7.975	.045	.275	.006	1.5394	202,57	1,14	6,99	0,15	2-445
2-446	-446	8 1/2	9	1/4	8.475	.055	.275	.006	1.6327	215,27	1,40	6,99	0,15	2-446

- (a) The rubber compound must be added when ordering by the 2-size number (i.e., 2-007 N0674-70). .210 Area = .034636
- (b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. .275 Area = .059396
 O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix. (sq. in.)
- (c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information.

Table 9-1: Parker Series 2-XXX O-Ring Sizes (Continued)

Parker Series 2-XXX O-Ring Sizes (Continued)

1	2	3			4				5	6				7
		Nominal Size			Standard O-Ring Size (Units are in Inches)					(Ref. Only)	Metric O-Ring Size (Units are in Millimeters)			
(Size Only)	(Size Only)	(Inches)			Actual (b) Per AS 568A					Actual (b) Per AS 568A				
Parker Size No. (Size Only)	AS 568A Uniform	(Ref. Only)			I.D.	Tolerance		W	Basic Volume Cu. In.	I.D.	Tolerance		W	Parker Size No. (Size Only)
(a)	Dash No.	I.D.	O.D.	W.		±	±				±	±		
2-447	-447	9	9 1/2	1/4	8.975	.055	.275	.006	1.7260	227,97	1,40	6,99	0,15	2-447
2-448	-448	9 1/2	10	1/4	9.475	.055	.275	.006	1.8193	240,67	1,40	6,99	0,15	2-448
2-449	-449	10	10 1/2	1/4	9.975	.055	.275	.006	1.9126	253,37	1,40	6,99	0,15	2-449
2-450	-450	10 1/2	11	1/4	10.475	.060	.275	.006	2.0059	266,07	1,52	6,99	0,15	2-450
2-451	-451	11	11 1/2	1/4	10.975	.060	.275	.006	2.0992	278,77	1,52	6,99	0,15	2-451
2-452	-452	11 1/2	12	1/4	11.475	.060	.275	.006	2.1925	291,47	1,52	6,99	0,15	2-452
2-453	-453	12	12 1/2	1/4	11.975	.060	.275	.006	2.2858	304,17	1,52	6,99	0,15	2-453
2-454	-454	12 1/2	13	1/4	12.475	.060	.275	.006	2.3791	316,87	1,52	6,99	0,15	2-454
2-455	-455	13	13 1/2	1/4	12.975	.060	.275	.006	2.4724	329,57	1,52	6,99	0,15	2-455
2-456	-456	13 1/2	14	1/4	13.475	.070	.275	.006	2.5657	342,27	1,78	6,99	0,15	2-456
2-457	-457	14	14 1/2	1/4	13.975	.070	.275	.006	2.6590	354,97	1,78	6,99	0,15	2-457
2-458	-458	14 1/2	15	1/4	14.475	.070	.275	.006	2.7523	367,67	1,78	6,99	0,15	2-458
2-459	-459	15	15 1/2	1/4	14.975	.070	.275	.006	2.8456	380,37	1,78	6,99	0,15	2-459
2-460	-460	15 1/2	16	1/4	15.475	.070	.275	.006	2.9389	393,07	1,78	6,99	0,15	2-460
2-461	-461	16	16 1/2	1/4	15.955	.075	.275	.006	3.0285	405,26	1,91	6,99	0,15	2-461
2-462	-462	16 1/2	17	1/4	16.455	.075	.275	.006	3.1218	417,96	1,91	6,99	0,15	2-462
2-463	-463	17	17 1/2	1/4	16.955	.080	.275	.006	3.2151	430,66	2,03	6,99	0,15	2-463
2-464	-464	17 1/2	18	1/4	17.455	.085	.275	.006	3.3084	443,36	2,16	6,99	0,15	2-464
2-465	-465	18	18 1/2	1/4	17.955	.085	.275	.006	3.4017	456,06	2,16	6,99	0,15	2-465
2-466	-466	18 1/2	19	1/4	18.455	.085	.275	.006	3.4950	468,76	2,16	6,99	0,15	2-466
2-467	-467	19	19 1/2	1/4	18.955	.090	.275	.006	3.5883	481,46	2,29	6,99	0,15	2-467
2-468	-468	19 1/2	20	1/4	19.455	.090	.275	.006	3.6816	494,16	2,29	6,99	0,15	2-468
2-469	-469	20	20 1/2	1/4	19.955	.095	.275	.006	3.7749	506,86	2,41	6,99	0,15	2-469
2-470	-470	21	21 1/2	1/4	20.955	.095	.275	.006	3.9615	532,26	2,41	6,99	0,15	2-470
2-471	-471	22	22 1/2	1/4	21.955	.100	.275	.006	4.1481	557,66	2,54	6,99	0,15	2-471
2-472	-472	23	23 1/2	1/4	22.940	.105	.275	.006	4.3319	582,68	2,67	6,99	0,15	2-472
2-473	-473	24	24 1/2	1/4	23.940	.110	.275	.006	4.5185	608,08	2,79	6,99	0,15	2-473
2-474	-474	25	25 1/2	1/4	24.940	.115	.275	.006	4.7051	633,48	2,92	6,99	0,15	2-474
2-475	-475	26	26 1/2	1/4	25.940	.120	.275	.006	4.8917	658,88	3,05	6,99	0,15	2-475

- (a) The rubber compound must be added when ordering by the 2-size number (i.e., 2-007 N0674-70). .275 Area = .059396
- (b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. (sq. in.)
 O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix.
- (c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information.

Table 9-1: Parker Series 2-XXX O-Ring Sizes (Continued)

Parker O-Ring Handbook

Parker Series 3-XXX O-Ring Sizes

These O-rings are intended for use with internal straight thread fluid connection bosses and tube fittings. Ref. MS33656, MS33657, SAE straight thread O-ring boss and mating swivel and adjustable style fittings.

1	2	3	4				7	8				11
			O-Ring Size — Actual (b) per AS568A (Units are in Inches)					Metric O-Ring Size per AS568A (b) (Units are in Millimeters)				
3-XXX (a) Size No.	AS568A Dash No.	Tube O.D. (Ref.)	I.D.	Tolerance ±	W	±	Basic Volume (cu. in.)	I.D.	Tolerance ±	W	±	3-XXX (a) Size No.
3-901	-901	3/32	.185	.005	.056	.003	.0019	4,70	0,13	1,42	0,08	3-901
3-902	-902	1/8	.239	.005	.064	.003	.0031	6,07	0,13	1,63	0,08	3-902
3-903	-903	3/16	.301	.005	.064	.003	.0037	7,65	0,13	1,63	0,08	3-903
3-904	-904	1/4	.351	.005	.072	.003	.0055	8,92	0,13	1,83	0,08	3-904
3-905	-905	5/16	.414	.005	.072	.003	.0063	10,52	0,13	1,83	0,08	3-905
3-906	-906	3/8	.468	.005	.078	.003	.0082	11,89	0,13	1,98	0,08	3-906
3-907	-907	7/16	.530	.007	.082	.003	.0102	13,46	0,18	2,08	0,08	3-907
3-908	-908	1/2	.644	.009	.087	.003	.0137	16,36	0,23	2,21	0,08	3-908
3-909	-909	9/16	.706	.009	.097	.003	.0187	17,93	0,23	2,46	0,08	3-909
3-910	-910	5/8	.755	.009	.097	.003	.0198	19,18	0,23	2,46	0,08	3-910
3-911	-911	11/16	.863	.009	.116	.004	.0326	21,92	0,23	2,95	0,10	3-911
3-912	-912	3/4	.924	.009	.116	.004	.0346	23,47	0,23	2,95	0,10	3-912
3-913	-913	13/16	.986	.010	.116	.004	.0366	25,04	0,26	2,95	0,10	3-913
3-914	-914	7/8	1.047	.010	.116	.004	.0387	26,59	0,26	2,95	0,10	3-914
3-916	-916	1	1.171	.010	.116	.004	.0428	29,74	0,26	2,95	0,10	3-916
3-918	-918	1 1/8	1.355	.012	.116	.004	.0489	34,42	0,30	2,95	0,10	3-918
3-920	-920	1 1/4	1.475	.014	.118	.004	.0548	37,47	0,36	3,00	0,10	3-920
3-924	-924	1 1/2	1.720	.014	.118	.004	.0632	43,69	0,36	3,00	0,10	3-924
3-928	-928	1 3/4	2.090	.018	.118	.004	.0759	53,09	0,46	3,00	0,10	3-928
3-932	-932	2	2.337	.018	.118	.004	.0844	59,36	0,46	3,00	0,10	3-932

(a) The rubber compound must be added when ordering by the 3-size number (i.e.,3-910 N552-90).

(b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix.

- .056 Area = .00246
- .064 Area = .00322
- .072 Area = .00407
- .078 Area = .00478
- .082 Area = .00528
- .087 Area = .00594
- .097 Area = .00739
- .116 Area = .01057
- .118 Area = .01094
- (sq. in.)

Table 9-2: Parker Series 3-XXX O-Rings Sizes

Parker O-Ring Handbook

Parker Series 5-XXX O-Ring Sizes

The following 5-XXX sizes are O-rings of nonstandard dimensions for which Parker tooling was available as of November 1, 1997. This tooling will be maintained while volume demand continues. A mold scrapped as defective will not be replaced unless demand justifies the expense.

Note: These molds are cut to allow for standard “AN” shrinkage, and in materials having standard shrinkage they will normally produce rings to the dimensions listed. Materials with other than standard shrinkage will give different dimensions and tolerances. Please consult the factory or your local Parker Distributor for the availability of special sizes not included in this list as of this writing.

Std 5-Size	Inches				Metric 5-Size	Millimeters				Std 5-Size	Inches				Metric 5-Size	Millimeters			
	I.D.	Tol ±	W	Tol ±		I.D.	Tol ±	W	Tol ±		I.D.	Tol ±	W	Tol ±		I.D.	Tol ±	W	Tol ±
5-118	.059	.004	.040	.003	5-118	1.50	0.10	1.02	.08	5-205	.312	.005	.092	.003	5-205	7.92	0.13	2.34	.08
5-187	.070	.005	.036	.003	5-187	1.78	0.13	0.91	.08	5-160	.312	.005	.103	.003	5-160	7.92	0.13	2.62	.08
5-051	.070	.005	.040	.003	5-051	1.78	0.13	1.02	.08	5-712	.313	.005	.051	.003	5-712	7.95	0.13	1.30	.08
5-101	.100	.005	.038	.003	5-101	2.54	0.13	0.97	.08	5-585	.314	.005	.074	.003	5-585	7.98	0.13	1.88	.08
5-578	.102	.005	.074	.003	5-578	2.59	0.13	1.88	.08	5-664	.320	.005	.070	.003	5-664	8.13	0.13	1.78	.08
5-632	.110	.005	.040	.003	5-632	2.79	0.13	1.02	.08	5-1006	.322	.005	.070	.003	5-1006	8.18	0.13	1.78	.08
5-102	.116	.005	.038	.003	5-102	2.95	0.13	0.97	.08	5-206	.326	.005	.103	.003	5-206	8.28	0.13	2.62	.08
5-178	.120	.005	.040	.003	5-178	3.05	0.13	1.02	.08	5-1007	.330	.005	.050	.003	5-1007	8.38	0.13	1.27	.08
5-683	.122	.005	.063	.003	5-683	3.10	0.13	1.60	.08	5-133	.332	.005	.031	.003	5-133	8.43	0.13	0.79	.08
5-646	.126	.005	.040	.003	5-646	3.20	0.13	1.02	.08	5-612	.344	.005	.070	.003	5-612	8.74	0.13	1.78	.08
5-103	.128	.005	.050	.003	5-103	3.25	0.13	1.27	.08	5-586	.350	.005	.074	.003	5-586	8.89	0.13	1.88	.08
5-190	.132	.005	.070	.003	5-190	3.35	0.13	1.78	.08	5-587	.350	.005	.106	.004	5-587	8.89	0.13	2.69	.10
5-579	.133	.005	.074	.003	5-579	3.39	0.13	1.88	.08	5-018	.352	.005	.113	.004	5-018	8.94	0.13	2.87	.10
5-669	.146	.005	.040	.003	5-669	3.71	0.13	1.02	.08	5-699	.353	.005	.094	.003	5-699	8.97	0.13	2.39	.08
5-148	.154	.005	.038	.003	5-148	3.91	0.13	0.97	.08	5-700	.354	.005	.118	.004	5-700	8.99	0.13	3.00	.10
5-105	.154	.005	.050	.003	5-105	3.91	0.13	1.27	.08	5-716	.362	.005	.118	.004	5-716	9.19	0.13	3.00	.10
5-106	.154	.005	.066	.003	5-106	3.91	0.13	1.68	.08	5-057	.364	.005	.045	.003	5-057	9.25	0.13	1.14	.08
5-580	.165	.005	.074	.003	5-580	4.19	0.13	1.88	.08	5-209	.370	.005	.040	.003	5-209	9.40	0.13	1.02	.08
5-193	.176	.005	.040	.003	5-193	4.47	0.13	1.02	.08	5-211	.375	.005	.187	.005	5-211	9.53	0.13	4.75	.13
5-108	.176	.005	.050	.003	5-108	4.47	0.13	1.27	.08	5-212	.384	.005	.070	.003	5-212	9.75	0.13	1.78	.08
5-124	.176	.005	.056	.003	5-124	4.47	0.13	1.42	.08	5-614	.391	.005	.103	.003	5-614	9.93	0.13	2.62	.08
5-107	.176	.005	.066	.003	5-107	4.47	0.13	1.68	.08	5-718	.395	.005	.040	.003	5-718	10.03	0.13	1.02	.08
5-125	.180	.005	.040	.003	5-125	4.57	0.13	1.02	.08	5-134	.410	.005	.031	.003	5-134	10.41	0.13	0.79	.08
5-581	.192	.005	.074	.003	5-581	4.88	0.13	1.88	.08	5-588	.413	.005	.106	.004	5-588	10.49	0.13	2.69	.10
5-685	.208	.005	.094	.003	5-685	5.28	0.13	2.39	.08	5-002	.416	.005	.059	.003	5-002	10.57	0.13	1.50	.08
5-582	.224	.005	.074	.003	5-582	5.69	0.13	1.88	.08	5-215	.418	.005	.094	.003	5-215	10.62	0.13	2.39	.08
5-194	.228	.005	.040	.003	5-194	5.79	0.13	1.02	.08	5-218	.425	.005	.025	.003	5-218	10.80	0.13	0.64	.08
5-638	.233	.005	.076	.003	5-638	5.92	0.13	1.93	.08	5-682	.426	.005	.040	.003	5-682	10.82	0.13	1.02	.08
5-179	.239	.005	.040	.003	5-179	6.07	0.13	1.02	.08	5-058	.426	.005	.050	.003	5-058	10.82	0.13	1.27	.08
5-151	.239	.005	.051	.003	5-151	6.07	0.13	1.30	.08	5-613	.437	.005	.070	.003	5-613	11.10	0.13	1.78	.08
5-127	.239	.005	.074	.003	5-127	6.07	0.13	1.88	.08	5-1011	.447	.005	.103	.003	5-1011	11.35	0.13	2.62	.08
5-1002	.239	.005	.174	.005	5-1002	6.07	0.13	4.42	.13	5-222	.455	.005	.128	.004	5-222	11.56	0.13	3.25	.10
5-197	.242	.005	.040	.003	5-197	6.15	0.13	1.02	.08	5-223	.458	.005	.053	.003	5-223	11.63	0.13	1.35	.08
5-180	.248	.005	.048	.003	5-180	6.30	0.13	1.22	.08	5-225	.469	.006	.094	.003	5-225	11.91	0.15	2.39	.08
5-686	.248	.005	.094	.003	5-686	6.30	0.13	2.39	.08	5-615	.469	.006	.103	.003	5-615	11.91	0.15	2.62	.15
5-583	.251	.005	.074	.003	5-583	6.38	0.13	1.88	.08	5-725	.470	.006	.270	.006	5-725	11.94	0.15	6.86	.15
5-200	.265	.005	.139	.004	5-200	6.73	0.13	3.53	.10	5-652	.473	.006	.071	.003	5-652	12.01	0.15	1.80	.08
5-052	.270	.005	.070	.003	5-052	6.86	0.13	1.78	.08	5-726	.484	.006	.056	.003	5-726	12.29	0.15	1.42	.08
5-202	.278	.005	.046	.003	5-202	7.06	0.13	1.17	.08	5-566	.489	.006	.055	.003	5-566	12.42	0.15	1.40	.08
5-698	.283	.005	.040	.003	5-698	7.19	0.13	1.02	.08	5-230	.500	.006	.125	.004	5-230	12.70	0.15	3.18	.10
5-584	.283	.005	.074	.003	5-584	7.19	0.13	1.88	.08	5-231	.501	.006	.062	.003	5-231	12.73	0.15	1.57	.08
5-687	.287	.005	.094	.003	5-687	7.29	0.13	2.39	.08	5-675	.508	.006	.049	.003	5-675	12.90	0.15	1.24	.08
5-1004	.290	.005	.045	.003	5-1004	7.39	0.13	1.14	.08	5-616	.516	.006	.103	.003	5-616	13.11	0.15	2.62	.08
5-152	.301	.005	.025	.003	5-152	7.65	0.13	0.64	.08	5-1014	.525	.007	.071	.003	5-1014	13.34	0.18	1.80	.08
5-056	.301	.005	.038	.003	5-056	7.65	0.13	0.97	.08	5-135	.526	.007	.031	.003	5-135	13.36	0.18	0.79	.08
5-710	.301	.005	.054	.003	5-710	7.65	0.13	1.37	.08	5-590	.535	.007	.106	.004	5-590	13.59	0.18	2.69	.10
5-673	.305	.005	.074	.003	5-673	7.75	0.13	1.88	.08	5-001	.547	.007	.051	.003	5-001	13.89	0.18	1.30	.08
5-204	.312	.005	.036	.003	5-204	7.92	0.13	0.91	.08	5-162	.554	.007	.070	.003	5-162	14.07	0.18	1.78	.08

- (a) The rubber compound must be added when ordering by the 5-size number (i.e., 5-007 N0674-70).
- (b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix.

Table 9-3: Parker Series 5-XXX O-Rings Size Cross Reference Table

Parker O-Ring Handbook

Parker Series 5-XXX O-Ring Sizes (Continued)

Std 5-Size	Inches				Metric 5-Size	Millimeters				Std 5-Size	Inches				Metric 5-Size	Millimeters			
	I.D.	Tol ±	W	Tol ±		I.D.	Tol ±	W	Tol ±		I.D.	Tol ±	W	Tol ±		I.D.	Tol ±	W	Tol ±
5-525	16.765	.090	.125	.004	5-525	425.83	2.29	3.18	.10	5-948	19.725	.100	.210	.005	5-948	501.02	2.54	5.33	.13
5-081	16.830	.090	.210	.005	5-081	427.48	2.29	5.33	.13	5-1022	19.941	.100	.289	.007	5-1022	506.50	2.54	7.34	.18
5-935	17.100	.090	.275	.006	5-935	434.34	2.29	6.99	.15	5-950	19.960	.100	.139	.004	5-950	506.98	2.54	3.53	.10
5-526	17.250	.090	.187	.005	5-526	438.15	2.29	4.75	.13	5-087	20.020	.100	.275	.006	5-087	508.51	2.54	6.99	.15
5-082	17.250	.090	.240	.006	5-082	438.15	2.29	6.10	.15	5-1019	20.180	.100	.125	.004	5-1019	512.57	2.54	3.18	.10
5-528	17.268	.090	.242	.006	5-528	438.61	2.29	6.15	.15	5-1010	20.609	.100	.139	.004	5-1010	523.47	2.54	3.53	.10
5-936	17.296	.090	.210	.005	5-936	439.32	2.29	5.33	.13	5-088	21.180	.100	.147	.004	5-088	537.97	2.54	3.73	.10
5-937	17.390	.090	.139	.004	5-937	441.71	2.29	3.53	.10	5-547	21.564	.100	.139	.004	5-547	547.73	2.54	3.53	.10
5-529	17.455	.090	.139	.004	5-529	443.36	2.29	3.53	.10	5-953	22.360	.100	.132	.004	5-953	567.94	2.54	3.35	.10
5-1100	17.500	.090	.139	.004	5-1100	444.50	2.29	3.53	.10	5-549	22.500	.100	.250	.006	5-549	571.50	2.54	6.35	.15
5-939	17.870	.090	.210	.005	5-939	453.90	2.29	5.33	.13	5-089	23.406	.120	.281	.006	5-089	594.51	3.05	7.14	.15
5-621	17.875	.090	.187	.005	5-621	454.03	2.29	4.75	.13	5-551	23.540	.120	.139	.004	5-551	597.92	3.05	3.53	.10
5-083	17.910	.090	.139	.004	5-083	454.91	2.29	3.53	.10	5-090	23.576	.120	.139	.004	5-090	598.83	3.05	3.53	.10
5-532	18.000	.090	.103	.003	5-532	457.20	2.29	2.62	.08	5-552	23.612	.120	.275	.006	5-552	599.74	3.05	6.99	.15
5-084	18.062	.090	.281	.006	5-084	458.77	2.29	7.16	.15	5-167	23.780	.120	.375	.007	5-167	604.01	3.05	9.52	.18
5-533	18.169	.090	.096	.003	5-533	461.49	2.29	2.44	.08	5-168	24.875	.120	.250	.006	5-168	631.82	3.05	6.35	.15
5-1102	18.265	.090	.210	.005	5-1102	463.93	2.29	5.33	.13	5-169	25.153	.120	.214	.005	5-169	638.89	3.05	5.44	.13
5-085	18.350	.090	.210	.005	5-085	466.09	2.29	5.33	.13	5-091	25.474	.120	.139	.004	5-091	647.04	3.05	3.53	.10
5-534	18.405	.090	.210	.005	5-534	467.49	2.29	5.33	.13	5-170	25.500	.120	.275	.006	5-170	647.70	3.05	6.99	.15
5-1104	18.500	.090	.188	.005	5-1104	469.90	2.29	4.78	.13	5-171	26.125	.120	.275	.006	5-171	663.58	3.05	6.99	.15
5-1105	18.635	.090	.139	.004	5-1105	473.33	2.29	3.53	.10	5-173	26.188	.120	.210	.005	5-173	665.18	3.05	5.33	.13
5-943	18.870	.100	.275	.006	5-943	479.30	2.54	6.99	.15	5-631	26.408	.120	.139	.004	5-631	670.76	3.05	3.53	.10
5-944	18.880	.100	.139	.004	5-944	479.55	2.54	3.53	.10	5-172	27.485	.120	.275	.006	5-172	698.12	3.05	6.99	.15
5-946	19.310	.100	.140	.004	5-946	490.47	2.54	3.56	.10	5-092	27.625	.120	.275	.006	5-092	701.68	3.05	6.99	.15
5-947	19.380	.100	.139	.004	5-947	492.25	2.54	3.53	.10	5-955	28.801	.140	.275	.006	5-955	731.55	3.56	6.99	.15
5-540	19.437	.100	.375	.007	5-540	493.70	2.54	9.52	.18										
5-541	19.500	.100	.250	.006	5-541	495.30	2.54	6.35	.15										
5-086	19.580	.100	.210	.005	5-086	497.33	2.54	5.33	.13										

- (a) The rubber compound must be added when ordering by the 5-size number (i.e., 5-007 N0674-70).
- (b) This chart provides dimensions for standard (AN) shrinkage materials ONLY. These correspond to AS568A dimensions. O-rings manufactured out of compounds with different shrinkage rates (other than AN) will produce slightly different dimensions and tolerances. For more information on shrinkage rates, see the Appendix.

Table 9-3: Parker Series 5-XXX O-Rings Size Cross Reference Table (Continued)

Series 5-XXX Locator Table

Size	I.D.	Size	I.D.	Size	I.D.	Size	I.D.	Size	I.D.
5-001	.547	5-091	25.474	5-202	.278	5-354	2.471	5-492	13.248
5-002	.416	5-092	27.625	5-204	.312	5-355	2.524	5-493	13.490
5-003	.836	5-101	.100	5-205	.312	5-358	2.576	5-494	13.541
5-004	1.070	5-102	.116	5-206	.326	5-361	2.671	5-495	13.601
5-005	.640	5-103	.128	5-209	.370	5-367	2.924	5-496	13.616
5-006	.796	5-105	.154	5-211	.375	5-368	3.020	5-498	13.650
5-008	1.421	5-106	.154	5-212	.384	5-369	3.037	5-500	13.718
5-009	1.553	5-107	.176	5-215	.418	5-374	3.112	5-502	14.088
5-011	1.860	5-108	.176	5-218	.425	5-380	3.363	5-504	14.430
5-014	2.230	5-118	.059	5-222	.455	5-381	3.475	5-505	14.470
5-015	2.296	5-124	.176	5-223	.458	5-385	3.603	5-506	14.570
5-018	.352	5-125	.180	5-225	.469	5-390	3.957	5-507	14.600
5-021	.603	5-127	.239	5-230	.500	5-394	4.096	5-508	14.674
5-022	.890	5-133	.332	5-231	.501	5-395	4.117	5-512	15.171
5-024	1.515	5-134	.410	5-236	.562	5-396	4.171	5-515	15.548
5-025	1.765	5-135	.526	5-239	.570	5-401	4.531	5-516	15.740
5-027	2.140	5-136	.643	5-242	.600	5-402	4.750	5-517	15.750
5-031	3.640	5-137	.775	5-243	.604	5-403	4.930	5-518	16.031
5-034	1.599	5-138	.898	5-247	.623	5-1068	5.139	5-520	16.435
5-035	1.786	5-139	.987	5-248	.625	5-407	5.249	5-521	16.455
5-037	2.036	5-140	1.112	5-248	.625	5-408	5.265	5-522	16.507
5-039	2.411	5-141	1.226	5-250	.627	5-408	5.265	5-522	16.507
5-042	2.846	5-142	1.450	5-251	.631	5-410	5.340	5-524	16.640
5-044	3.036	5-143	1.670	5-252	.652	5-412	5.414	5-525	16.765
5-045	3.161	5-143	1.670	5-254	.660	5-413	5.475	5-526	17.250
5-049	.871	5-144	1.891	5-256	.707	5-414	5.487	5-528	17.268
5-051	.070	5-145	2.141	5-257	.772	5-416	5.553	5-528	17.268
5-052	.270	5-148	.154	5-257	.772	5-416	5.553	5-529	17.455
5-056	.301	5-151	.239	5-263	.750	5-417	5.616	5-532	18.000
5-057	.364	5-152	.301	5-264	.752	5-420	5.826	5-533	18.169
5-058	.426	5-156	.575	5-266	.766	5-421	5.882	5-534	18.405
5-060	4.390	5-157	1.338	5-273	.879	5-428	6.361	5-540	19.437
5-062	5.604	5-158	1.550	5-278	.979	5-430	6.482	5-541	19.500
5-063	5.750	5-159	2.683	5-279	1.004	5-434	7.108	5-547	21.564
5-064	6.350	5-160	.312	5-290	1.180	5-438	7.613	5-549	22.500
5-069	11.750	5-162	.554	5-291	1.186	5-439	7.640	5-551	23.540
5-070	13.270	5-164	12.160	5-294	1.213	5-442	8.015	5-552	23.612
5-071	13.410	5-165	10.359	5-295	1.225	5-445	8.277	5-557	3.125
5-072	13.460	5-166	14.722	5-296	1.229	5-450	9.071	5-559	5.236
5-073	13.820	5-167	23.780	5-297	1.230	5-454	9.565	5-563	.583
5-074	14.234	5-168	24.875	5-301	1.259	5-457	10.232	5-564	14.062
5-076	15.260	5-169	25.153	5-309	1.436	5-458	10.340	5-566	.489
5-077	15.300	5-170	25.500	5-312	1.454	5-463	10.504	5-567	5.985
5-079	15.540	5-171	26.125	5-320	1.540	5-464	10.656	5-569	12.475
5-080	16.575	5-172	27.485	5-321	1.559	5-466	10.749	5-570	13.002
5-081	16.830	5-173	26.188	5-327	1.640	5-469	10.883	5-571	16.234
5-082	17.250	5-178	.120	5-329	1.670	5-471	10.995	5-573	5.968
5-083	17.910	5-179	.239	5-330	1.674	5-474	11.331	5-575	8.875
5-084	18.062	5-180	.248	5-332	1.687	5-476	11.562	5-576	12.000
5-085	18.350	5-181	.725	5-335	1.802	5-478	11.860	5-578	.102
5-086	19.580	5-187	.070	5-337	1.873	5-480	12.017	5-579	.133
5-087	20.020	5-190	.132	5-338	1.925	5-482	12.109	5-580	.165
5-088	21.180	5-193	.176	5-342	1.980	5-484	12.250	5-581	.192
5-089	23.406	5-194	.228	5-343	2.000	5-485	12.260	5-582	.224
5-090	23.576	5-197	.242	5-346	2.046	5-486	12.299	5-583	.251
		5-200	.265	5-347	2.163	5-487	12.380	5-584	.283
				5-348	2.172	5-488	12.463	5-585	.314

Table 9-4: Series 5-XXX Locator Table

Parker O-Ring Handbook**Series 5-XXX Locator Table (Continued)**

Size	I.D.	Size	I.D.	Size	I.D.	Size	I.D.	Size	I.D.
5-586	.350	5-655	2.020	5-769	1.176	5-884	9.984	5-976	10.425
5-587	.350	5-656	10.702	5-780	1.412	5-885	10.171	5-979	3.443
5-588	.413	5-657	1.465	5-788	1.591	5-886	10.178	5-980	1.475
5-590	.535	5-664	.320	5-794	1.812	5-887	10.343	5-981	1.850
5-591	.594	5-666	6.520	5-795	1.850	5-889	10.372	5-982	2.725
5-592	.665	5-669	.146	5-796	1.913	5-890	10.606	5-983	2.975
5-593	.724	5-670	1.437	5-800	2.225	5-891	10.734	5-984	3.225
5-594	.720	5-671	1.680	5-805	2.535	5-893	10.945	5-985	3.600
5-595	.779	5-673	.305	5-807	2.782	5-894	10.996	5-986	3.725
5-596	.838	5-675	.508	5-810	3.041	5-898	11.335	5-987	3.975
5-597	.905	5-676	.610	5-811	3.060	5-900	12.000	5-988	4.100
5-598	.968	5-677	1.004	5-813	3.130	5-901	12.234	5-989	4.225
5-599	1.031	5-682	.426	5-815	3.156	5-902	12.360	5-1002	.239
5-600	1.094	5-683	.122	5-816	3.162	5-905	12.623	5-1004	.290
5-601	1.153	5-685	.208	5-819	3.210	5-906	12.705	5-1006	.322
5-602	1.212	5-686	.248	5-821	3.300	5-907	12.725	5-1007	.330
5-603	1.279	5-687	.287	5-825	3.350	5-908	12.840	5-1010	20.609
5-604	1.342	5-691	7.139	5-828	3.661	5-910	13.375	5-1011	.447
5-605	1.401	5-696	7.110	5-831	4.020	5-912	13.734	5-1014	.525
5-606	1.468	5-697	2.878	5-833	4.085	5-916	14.369	5-1017	.709
5-609	.600	5-698	.283	5-836	4.427	5-920	14.780	5-1018	1.671
5-611	12.900	5-699	.353	5-840	4.630	5-921	14.795	5-1019	20.180
5-612	.344	5-700	.354	5-842	4.664	5-922	14.990	5-1022	19.941
5-613	.437	5-701	1.937	5-843	4.674	5-923	15.062	5-1023	1.788
5-614	.391	5-702	2.312	5-844	4.682	5-924	15.410	5-1028	1.190
5-615	.469	5-703	2.563	5-848	4.875	5-925	15.465	5-1030	19.512
5-616	.516	5-704	2.812	5-850	4.925	5-930	16.285	5-1041	6.023
5-617	.625	5-705	2.937	5-851	4.984	5-935	17.100	5-1042	1.817
5-618	1.016	5-708	.850	5-852	5.030	5-936	17.296	5-1043	1.882
5-619	12.915	5-709	1.000	5-853	5.057	5-937	17.390	5-1044	2.060
5-621	17.875	5-710	.301	5-855	5.444	5-939	17.870	5-1046	2.140
5-622	16.750	5-712	.313	5-856	5.465	5-943	18.870	5-1047	2.281
5-623	10.630	5-716	.362	5-858	5.500	5-944	18.880	5-1052	3.080
5-624	14.111	5-718	.395	5-862	5.789	5-946	19.310	5-1053	3.354
5-626	14.470	5-725	.470	5-863	5.815	5-947	19.380	5-1054	4.080
5-631	26.408	5-726	.484	5-869	6.609	5-948	19.725	5-1056	4.484
5-632	.110	5-735	.583	5-871	6.850	5-950	19.960	5-1060	4.609
5-635	9.370	5-736	.590	5-873	7.230	5-953	22.360	5-1097	13.750
5-638	.233	5-743	.660	5-875	7.580	5-955	28.801	5-1099	16.014
5-642	2.051	5-745	.687	5-876	7.674	5-964	.744	5-1100	17.500
5-643	.650	5-751	.820	5-877	7.802	5-969	5.875	5-1102	18.265
5-646	.126	5-753	.857	5-880	8.350	5-971	8.590	5-1104	18.500
5-650	11.570	5-761	1.010	5-882	9.162	5-975	7.425	5-1105	18.635
5-652	.473	5-763	1.080	5-883	9.820				

Table 9-6: Series 5-XXX Locator Table

Inside Diameters, Cross Sections and Tolerances for Aerospace Applications — Series A (ISO 3601-1)

Inside Dia. d ₁ (mm)		Cross-Section d ₂ (mm)					Inside Dia. d ₁ (mm)		Cross-Section d ₂ (mm)					Inside Dia. d ₁ (mm)		Cross-Section d ₂ (mm)				
		1.80 ±0.08	2.65 ±0.09	3.55 ±0.10	5.30 ±0.13	7.00 ±0.15			1.80 ±0.08	2.65 ±0.09	3.55 ±0.10	5.30 ±0.13	7.00 ±0.15			1.80 ±0.08	2.65 ±0.09	3.55 ±0.10	5.30 ±0.13	7.00 ±0.15
	Tol. ±							Tol. ±							Tol. ±					
1,8	0,13	x					30,0	0,27	x	x	x			112,0	0,74	x	x	x	x	x
2,0	0,13	x					31,5	0,28	x	x	x			115,0	0,76			x	x	x
2,24	0,13	x					32,5	0,29	x	x	x			118,0	0,77	x	x	x	x	x
2,5	0,13	x					33,5	0,29	x	x	x			122,0	0,80			x	x	x
2,8	0,13	x					34,5	0,3	x	x	x			125,0	0,81	x	x	x	x	x
3,15	0,13	x					35,5	0,31	x	x	x			128,0	0,83			x	x	x
3,55	0,13	x					36,5	0,31	x	x	x			132,0	0,85		x	x	x	x
3,75	0,13	x					37,5	0,32	x	x	x	x		136,0	0,87			x	x	x
4,0	0,13	x					38,7	0,32	x	x	x	x		140,0	0,89		x	x	x	x
4,5	0,13	x	x				40,0	0,33	x	x	x	x		145,0	0,92			x	x	x
4,87	0,13	x					41,2	0,34	x	x	x	x		150,0	0,95		x	x	x	x
5,0	0,13	x					42,5	0,35	x	x	x	x		155,0	0,98			x	x	x
5,15	0,13	x					43,7	0,35	x	x	x	x		160,0	1,00		x	x	x	x
5,3	0,13	x	x				45,0	0,36	x	x	x	x		165,0	1,03			x	x	x
5,6	0,13	x					46,2	0,37		x	x	x		170,0	1,06		x	x	x	x
6,0	0,13	x	x				47,5	0,38	x	x	x	x		175,0	1,09			x	x	x
6,3	0,13	x					48,7	0,38		x	x	x	x	180,0	1,11		x	x	x	x
6,7	0,13	x					50,0	0,39	x	x	x	x		185,0	1,14			x	x	x
6,9	0,14	x	x				51,5	0,40		x	x	x		190,0	1,17		x	x	x	x
7,1	0,14	x					53,0	0,41	x	x	x	x		195,0	1,20			x	x	x
7,5	0,14	x					54,5	0,42		x	x	x	x	200,0	1,22		x	x	x	x
8,0	0,14	x	x				56,0	0,42	x	x	x	x		206,0	1,26					x
8,5	0,15	x					58,0	0,44		x	x	x	x	212,0	1,29		x	x		x
8,75	0,15	x					60,0	0,45	x	x	x	x		218,0	1,32			x		x
9,0	0,15	x	x				61,5	0,45		x	x	x	x	224,0	1,35		x	x		x
9,5	0,15	x	x				63,0	0,46	x	x	x	x		230,0	1,39		x	x		x
10,0	0,15	x	x				65,0	0,48		x	x	x	x	236,0	1,42		x	x		x
10,6	0,16	x	x				67,0	0,49	x	x	x	x		243,0	1,46		x			x
11,2	0,16	x	x				69,0	0,50		x	x	x	x	250,0	1,49		x			x
11,8	0,17	x	x				71,0	0,51	x	x	x	x		258,0	1,54			x		x
12,5	0,17	x	x				73,0	0,52		x	x	x	x	265,0	1,57			x		x
13,2	0,17	x	x				75,0	0,53	x	x	x	x		272,0	1,61					x
14,0	0,18	x	x	x			77,5	0,55			x	x		280,0	1,65			x		x
15,0	0,18	x	x	x			80,0	0,56	x	x	x	x		290,0	1,71			x		x
16,0	0,19	x	x	x			82,5	0,57			x	x		300,0	1,76			x		x
17,0	0,20	x	x	x			85,0	0,59	x	x	x	x		307,0	1,80			x		x
18,0	0,20	x	x	x			87,5	0,60			x	x		315,0	1,84			x		x
19,0	0,21	x	x	x			90,0	0,62	x	x	x	x		325,0	1,90					x
20,0	0,21	x	x	x			92,5	0,63			x	x		335,0	1,95			x		x
21,2	0,22	x	x	x			95,0	0,64	x	x	x	x		345,0	2,00					x
22,4	0,23	x	x	x			97,5	0,66			x	x		355,0	2,06			x		x
23,6	0,24	x	x	x			100,0	0,67	x	x	x	x		365,0	2,11					x
25,0	0,24	x	x	x			103,0	0,69			x	x		375,0	2,16					x
25,8	0,25	x	x	x			106,0	0,71	x	x	x	x		387,0	2,23					x
26,5	0,25	x	x	x			109,0	0,72			x	x	x	400,0	2,29					x
28,0	0,26	x	x	x																

Table 9-5: Inside Diameters, Cross Sections and Tolerances for Aerospace Applications — Series A (ISO 3601-1)

Parker O-Ring Handbook

Inside Diameters, Cross Sections and Tolerances for Aerospace Applications — Series G (ISO 3601-1)

Inside Dia. d ₁ (mm)		Cross-Section d ₂ (mm)					Inside Dia. d ₁ (mm)		Cross-Section d ₂ (mm)					Inside Dia. d ₁ (mm)		Cross-Section d ₂ (mm)				
		1.80 ±0.08	2.65 ±0.09	3.55 ±0.10	5.30 ±0.13	7.00 ±0.15			1.80 ±0.08	2.65 ±0.09	3.55 ±0.10	5.30 ±0.13	7.00 ±0.15			1.80 ±0.08	2.65 ±0.09	3.55 ±0.10	5.30 ±0.13	7.00 ±0.15
	Tol. ±							Tol. ±							Tol. ±					
1,8	0,13	x					36,5	0,35		x	x			165,0	1,31			x	x	x
2,0	0,13	x					37,5	0,36		x	x			170,0	1,34			x	x	x
2,24	0,13	x					38,7	0,37		x	x			175,0	1,38			x	x	x
2,5	0,13	x					40,0	0,38			x	x		180,0	1,41			x	x	x
2,8	0,14	x					41,2	0,39			x	x		185,0	1,44			x	x	x
3,15	0,14	x					42,5	0,40			x	x		190,0	1,48			x	x	x
3,55	0,14	x					43,7	0,41			x	x		195,0	1,51			x	x	x
3,75	0,14	x					45,0	0,42			x	x		200,0	1,55			x	x	x
4,0	0,14	x					46,2	0,43			x	x		206,0	1,59				x	x
4,5	0,14	x					47,5	0,44			x	x		212,0	1,63				x	x
4,87	0,15	x					48,7	0,45			x	x		218,0	1,67				x	x
5,0	0,15	x					50,0	0,46			x	x		224,0	1,71				x	x
5,15	0,15	x					51,5	0,47			x	x		230,0	1,75				x	x
5,3	0,15	x					53,0	0,48			x	x		236,0	1,79				x	x
5,6	0,15	x					54,5	0,50			x	x		243,0	1,83				x	x
6,0	0,15	x					56,0	0,51			x	x		250,0	1,88				x	x
6,3	0,15	x					58,0	0,52			x	x		258,0	1,93				x	x
6,7	0,16	x					60,0	0,54			x	x		265,0	1,98				x	x
6,9	0,16	x					61,5	0,55			x	x		272,0	2,02				x	x
7,1	0,16	x					63,0	0,56			x	x		280,0	2,08				x	x
7,5	0,16	x					65,0	0,58			x	x		290,0	2,14				x	x
8,0	0,16	x					67,0	0,59			x	x		300,0	2,21				x	x
8,5	0,16	x					69,0	0,61			x	x		307,0	2,25				x	x
8,75	0,17	x					71,0	0,63			x	x		315,0	2,30				x	x
9,0	0,17	x					73,0	0,64			x	x		325,0	2,37				x	x
9,5	0,17	x					75,0	0,66			x	x		335,0	2,43				x	x
10,0	0,17	x					77,5	0,67			x	x		345,0	2,49				x	x
10,6	0,18	x					80,0	0,69			x	x		355,0	2,56				x	x
11,2	0,18	x					82,5	0,71			x	x		365,0	2,62				x	x
11,8	0,19	x					85,0	0,73			x	x		375,0	2,68				x	x
12,5	0,19	x					87,5	0,75			x	x		387,0	2,76				x	x
13,2	0,19	x					90,0	0,77			x	x		400,0	2,84				x	x
14,0	0,19	x	x				92,5	0,79			x	x		412,0	2,91				x	x
15,0	0,20	x	x				95,0	0,81			x	x		425,0	2,99				x	x
16,0	0,20	x	x				97,5	0,83			x	x		437,0	3,07				x	x
17,0	0,21	x	x				100,0	0,84			x	x		450,0	3,15				x	x
18,0	0,21		x	x			103,0	0,87			x	x		462,0	3,22				x	x
19,0	0,22		x	x			106,0	0,89			x	x		475,0	3,30				x	x
20,0	0,22		x	x			109,0	0,91			x	x	x	487,0	3,37				x	x
21,2	0,23		x	x			112,0	0,93			x	x	x	500,0	3,45				x	x
22,4	0,24		x	x			115,0	0,95			x	x	x	515,0	3,54				x	x
23,6	0,24		x	x			118,0	0,97			x	x	x	530,0	3,63				x	x
25,0	0,25		x	x			122,0	1,00			x	x	x	545,0	3,72				x	x
25,8	0,26		x	x			125,0	1,03			x	x	x	560,0	3,81				x	x
26,5	0,26		x	x			128,0	1,05			x	x	x	580,0	3,93				x	x
28,0	0,28		x	x			132,0	1,08			x	x	x	600,0	4,05				x	x
30,0	0,29		x	x			136,0	1,10			x	x	x	615,0	4,13				x	x
31,5	0,31		x	x			140,0	1,13			x	x	x	630,0	4,22				x	x
32,5	0,32		x	x			145,0	1,17			x	x	x	650,0	4,34				x	x
33,5	0,32		x	x			150,0	1,20			x	x	x	670,0	4,46				x	x
34,5	0,33		x	x			155,0	1,24			x	x	x							
35,5	0,34		x	x			160,0	1,27			x	x	x							

Table 9-6: Inside Diameters, Cross Sections and Tolerances for Aerospace Applications — Series G (ISO 3601-1)

JIS B2401 Sizes

JIS B 2401	Thickness		Inner Diameter		JIS B 2401	Thickness		Inner Diameter		JIS B 2401	Thickness		Inner Diameter							
	W (mm)		d (mm)			W (mm)		d (mm)			W (mm)		d (mm)							
P 3	1.9	±0.08	2.8	±0.14	P 48	3.5	±0.10	47.7	±0.44	P 200	8.4	±0.15	199.5	±1.55						
P 4			3.8	±0.14	P 49			48.7	±0.45	P 205			204.5	±1.58						
P 5			4.8	±0.15	P 50			49.7	±0.45	P 209			208.5	±1.61						
P 6			5.8	±0.15	P 48A P 50A			47.6	±0.45	P 210			209.5	±1.62						
P 7			6.8	±0.16						P 215			214.5	±1.65						
P 8			2.4	±0.09	7.8			±0.16	P 52	5.7			±0.13	51.6	±0.47	P 220	8.4	±0.15	219.5	±1.68
P 9					8.8			±0.17	P 53					52.6	±0.48	P 225			224.5	±1.71
P 10					9.8			±0.17	P 55					54.6	±0.49	P 230			229.5	±1.75
P 10A P 11 P 11.2 P 12 P 12.5					9.8			±0.17	P 56					55.6	±0.50	P 235			234.5	±1.78
					10.8			±0.18	P 58					57.6	±0.52	P 240			239.5	±1.81
	11.0	±0.18			P 60	59.6	±0.53	P 245	244.5		±1.84									
	11.8	±0.19			P 62	61.6	±0.55	P 250	249.5		±1.88									
	12.3	±0.19			P 63	62.6	±0.56	P 255	254.5		±1.91									
P 14	2.4	±0.09			13.8	±0.19	P 65	5.7	±0.13		64.6	±0.57		P 260	8.4	±0.15			259.5	±1.94
P 15					14.8	±0.20	P 67				66.6	±0.59		P 265					264.5	±1.97
P 16			15.8	±0.20	P 70	69.6	±0.61			P 270 P 275 P 280 P 285 P 290	269.5	±2.01								
P 18			17.8	±0.21	P 71	70.6	±0.62													
P 20			19.8	±0.22	P 75	74.6	±0.65													
P 21 P 22			20.8	±0.23	P 80	79.6	±0.69													
			21.8	±0.24	P 85	84.6	±0.73													
P 22A P 22.4 P 24 P 25 P 25.5			21.7	±0.24	P 90	89.6	±0.77			P 295 P 300 P 315 P 320 P 335	294.5	±2.17								
			22.1	±0.24	P 95	94.6	±0.81													
			23.7	±0.24	P 100	99.6	±0.84													
	24.7	±0.25	P 102 P 105 P 110	101.6	±0.85															
	25.2	±0.25		104.6	±0.87															
P 26 P 28 P 29 P 29.5 P 30	25.7	±0.26	P 112	109.6	±0.91	P 340 P 355 P 360 P 375 P 385 P 400	339.5	±2.45												
	27.7	±0.28	P 115	111.6	±0.92															
	28.7	±0.29	P 120 P 125 P 130	114.6	±0.94															
	29.2	±0.29		119.6	±0.98															
	29.7	±0.29	124.6	±1.01																
P 31 P 31.5 P 32 P 34 P 35	30.7	±0.30	P 132	129.6	±1.05	G 25 G 30 G 35 G 40 G 45	24.4	±0.25												
	31.2	±0.31	P 135	109.6	±0.91															
	31.7	±0.31	P 140 P 145 P 150	111.6	±0.92															
	33.7	±0.33		114.6	±0.94															
	34.7	±0.34	139.6	±1.12																
P 35.5 P 36 P 38 P 39 P 40	35.2	±0.34	P 150A P 155	144.6	±1.16	G 50 G 55 G 60 G 65 G 70	49.4	±0.45												
	35.7	±0.34		149.6	±1.19															
	37.7	±0.37	P 160	149.5	±1.19															
	38.7	±0.37	P 165	154.5	±1.23															
	39.7	±0.37	P 170	159.5	±1.26															
P 41 P 42 P 44 P 45 P 46	40.7	±0.38	8.4	±0.15	164.5	±1.30	G 75 G 80 G 85 G 90 G 95	3.1	±0.10	169.5	±1.33	74.4	±0.65							
	41.7	±0.39			P 175	174.5				±1.37	79.4	±0.69								
	43.7	±0.41			P 180	179.5				±1.40	84.4	±0.73								
	44.7	±0.41			P 185	184.5				±1.44	89.4	±0.77								
	45.7	±0.42			P 190	189.5				±1.48	94.4	±0.81								
					P 195	194.5				±1.51										

Table 9-7: JIS B2401 Sizes

Parker O-Ring Handbook**Parker JIS B2401 Sizes (Continued)**

JIS B 2401	Thickness		Inner Diameter		JIS B 2401	Thickness		Inner Diameter		JIS B 2401	Thickness		Inner Diameter	
	W (mm)		d (mm)			W (mm)		d (mm)			W (mm)		d (mm)	
G 100	3.1	±0.10	99.4	±0.85	G 200	5.7	±0.13	199.3	±1.55	G 300	5.7	±0.13	299.3	±2.20
G 105			104.4	±0.87	G 205			204.3	±1.58	G 305			304.3	±2.24
G 110			109.4	±0.91	G 210			209.3	±1.61	G 310			309.3	±2.27
G 115			114.4	±0.94	G 215			214.3	±1.64	G 315			314.3	±2.30
G 120			119.4	±0.98	G 220			219.3	±1.68	G 320			319.3	±2.33
G 125			124.4	±1.01	G 225			224.3	±1.71	G 325			324.3	±2.36
G 130			129.4	±1.05	G 230			229.3	±1.73	G 330			329.3	±2.39
G 135			134.4	±1.08	G 235			234.3	±1.77	G 335			334.3	±2.42
G 140			139.4	±1.12	G 240			239.3	±1.81	G 340			339.3	±2.45
G 145			144.4	±1.16	G 245			244.3	±1.84	G 345			344.3	±2.48
G 150	5.7	±0.13	149.3	±1.19	G 250	5.7	±0.13	249.3	±1.88	G 350	5.7	±0.13	349.3	±2.51
G 155			154.3	±1.23	G 255			254.3	±1.91	G 355			354.3	±2.54
G 160			159.3	±1.26	G 260			259.3	±1.94	G 360			359.3	±2.57
G 165			164.3	±1.30	G 265			264.3	±1.97	G 365			364.3	±2.60
G 170			169.3	±1.33	G 270			269.3	±2.01	G 370			369.3	±2.63
G 175			174.3	±1.37	G 275			274.3	±2.04	G 375			374.3	±2.67
G 180			179.3	±1.40	G 280			279.3	±2.07	G 380			379.3	±2.70
G 185			184.3	±1.44	G 285			284.3	±2.10	G 385			384.3	±2.73
G 190			189.3	±1.47	G 290			289.3	±2.14	G 390			389.3	±2.76
G 195			194.3	±1.51	G 295			294.3	±2.17	G 395			394.3	±2.79
										G 400			399.3	±2.82

Table 9-7: JIS B2401 Sizes