

Section IX Sizes

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Sizes

Sizes

Parker Series 2-XXX O-Ring Sizes

1 Parker Size No. (Size Only) (a)	2 Size Only AS 568A Uniform Dash No.	3 Nominal Size (Inches) (Ref. Only)			4 Standard O-Ring Size (Units are in Inches) Actual (b) Per AS 568A				5 (Ref. Only) Basic Volume Cu. In.	6 Metric O-Ring Size (Units are in Millimetres) Actual (b) Per AS 568A				7 Parker Size No. (Size Only) (a)
		I.D.	O.D.	W.	I.D.	Tolerance ±	W	±		I.D.	Tolerance ±	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., N0674-70 2-007).
 (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.
 (c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information.

.040 Area = .001256
 .050 Area = .001964
 .060 Area = .002827
 .070 Area = .003848
 (sq. in.)

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



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

1	2	3			4				5	6				7
Parker Size No. (Size Only) (a)	Size Only	Nominal Size (Inches)			Standard O-Ring Size (Units are in Inches) Actual (b) Per AS 568A				(Ref. Only)	Metric O-Ring Size (Units are in Millimeters) Actual (b) Per AS 568A				Parker Size No. (Size Only) (a)
	AS 568A Uniform Dash No.	(Ref. Only)			I.D.	Tolerance ±	W	±	Basic Volume Cu. In.	I.D.	Tolerance ±	W	±	
2-041	-041	3	3-1/8	1/16										2.989
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	20,29	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., N0674-70 2-007). .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



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

1 Parker Size No. (Size Only) (a)	2 Size Only AS 568A Uniform Dash No.	3 Nominal Size (Inches) (Ref. Only)			4 Standard O-Ring Size (Units are in Inches) Actual (b) Per AS 568A				5 (Ref. Only) Basic Volume Cu. In.	6 Metric O-Ring Size (Units are in Millimetres) Actual (b) Per AS 568A				7 Parker Size No. (Size Only) (a)
		I.D.	O.D.	W.	I.D.	Tolerance ±	W	±		I.D.	Tolerance ±	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., N0674-70 2-007). .103 Area = .008332 (sq. in.)
- (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.
- (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



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

1 Parker Size No. (Size Only) (a)	2 Size Only AS 568A Uniform Dash No.	3 Nominal Size (Inches) (Ref. Only)			4 Standard O-Ring Size (Units are in Inches) Actual (b) Per AS 568A				5 (Ref. Only) Basic Volume Cu. In.	6 Metric O-Ring Size (Units are in Millimeters) Actual (b) Per AS 568A				7 Parker Size No. (Size Only) (a)
		I.D.	O.D.	W.	I.D.	Tolerance ±	W	±		I.D.	Tolerance ±	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., N0674-70 2-007). .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



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

1 Parker Size No. (Size Only) (a)	2 Size Only AS 568A Uniform Dash No.	3 Nominal Size (Inches) (Ref. Only)			4 Standard O-Ring Size (Units are in Inches) Actual (b) Per AS 568A				5 (Ref. Only) Basic Volume Cu. In.	6 Metric O-Ring Size (Units are in Millimeters) Actual (b) Per AS 568A				7 Parker Size No. (Size Only) (a)
		I.D.	O.D.	W.	I.D.	Tolerance ±	W	±		I.D.	Tolerance ±	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., N0674-70 2-007). .139 Area = .015175 (sq. in.)
- (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.
- (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

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

1 Parker Size No. (Size Only) (a)	2 Size Only AS 568A Uniform Dash No.	3 Nominal Size (Inches) (Ref. Only)			4 Standard O-Ring Size (Units are in Inches) Actual (b) Per AS 568A				5 (Ref. Only) Basic Volume Cu. In.	6 Metric O-Ring Size (Units are in Millimetres) Actual (b) Per AS 568A				7 Parker Size No. (Size Only) (a)
		I.D.	O.D.	W.	I.D.	Tolerance ±	W	±		I.D.	Tolerance ±	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., N0674-70 2-007).
 - (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.
 - (c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information.
- .139 Area = .015175
.210 Area = .034636 (sq. in.)

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

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

1 Parker Size No. (Size Only) (a)	2 Size Only AS 568A Uniform Dash No.	3 Nominal Size (Inches) (Ref. Only)			4 Standard O-Ring Size (Units are in Inches) Actual (b) Per AS 568A				5 (Ref. Only) Basic Volume Cu. In.	6 Metric O-Ring Size (Units are in Millimeters) Actual (b) Per AS 568A				7 Parker Size No. (Size Only) (a)
		I.D.	O.D.	W.	I.D.	Tolerance ±	W	±		I.D.	Tolerance ±	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., N0674-70 2-007).
- (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.
- (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



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

1 Parker Size No. (Size Only) (a)	2 Size Only AS 568A Uniform Dash No.	3 Nominal Size (Inches) (Ref. Only)			4 Standard O-Ring Size (Units are in Inches) Actual (b) Per AS 568A					5 (Ref. Only) Basic Volume Cu. In.	6 Metric O-Ring Size (Units are in Millimetres) Actual (b) Per AS 568A				7 Parker Size No. (Size Only) (a)
		I.D.	O.D.	W.	I.D.	Tolerance ±	W	±	I.D.		Tolerance ±	W	±		
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	481,46	2,29	5,33	0,13	2-388	
2-389	-389	20	20-3/8	3/16	19.955	.095	.210	.005	2.1942	506,86	2,41	5,33	0,13	2-389	
2-390	-390	21	21-3/8	3/16	20.955	.095	.210	.005	2.3030	532,26	2,41	5,33	0,13	2-390	
2-391	-391	22	22-3/8	3/16	21.955	.100	.210	.005	2.4118	557,66	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., N0674-70 2-007). .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



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

1 Parker Size No. (Size Only) (a)	2 Size Only AS 568A Uniform Dash No.	3 Nominal Size (Inches) (Ref. Only)			4 Standard O-Ring Size (Units are in Inches) Actual (b) Per AS 568A				5 (Ref. Only) Basic Volume Cu. In.	6 Metric O-Ring Size (Units are in Millimetres) Actual (b) Per AS 568A				7 Parker Size No. (Size Only) (a)
		I.D.	O.D.	W.	I.D.	Tolerance ±	W	±		I.D.	Tolerance ±	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., N0674-70 2-007).
- (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.
- (c) When ordering O-rings to a Military, AMS or NAS material Specification, see Section VIII, Specifications, for more information.

.275 Area = .059396 (sq. in.)

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



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 adjustment style fittings.

1	2	3	4	5	6		7	8	9	10		11
3-XXX (a) Size No.	AS568A Dash No.	Tube O.D. (Ref.)	O-Ring Size – Actual (b) per AS568A (Units are in Inches)				Basic Volume Cu. In.	Metric O-Ring Size per AS568A (b) (Units are in Millimeters)				3-XXX (a) Size No.
			I.D.	Tolerance ±	W	±		I.D.	Toler- ance ±	W	±	
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., N552-90 3-910).

(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 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 January 1, 2007. 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.

Sizes

Parker Series 5-XXX O-Ring Sizes

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

- (a) The rubber compound must be added when ordering by the 5-size number (i.e., N0674-70 5-007).
- (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 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 ±
5-935	17.100	.090	.275	.006	5-935	434.34	2.29	6.99	.15	5-088	21.180	.100	.147	.004	5-088	537.97	2.54	3.73	.10
5-526	17.250	.090	.187	.005	5-526	438.15	2.29	4.75	.13	5-547	21.564	.100	.139	.004	5-547	547.73	2.54	3.53	.10
5-082	17.250	.090	.240	.006	5-082	438.15	2.29	6.10	.15	5-953	22.360	.100	.132	.004	5-953	567.94	2.54	3.35	.10
5-528	17.268	.090	.242	.006	5-528	438.61	2.29	6.15	.15	5-089	23.406	.120	.281	.006	5-089	594.51	3.05	7.14	.15
5-937	17.390	.090	.139	.004	5-937	441.71	2.29	3.53	.10	5-551	23.540	.120	.139	.004	5-551	597.92	3.05	3.53	.10
5-529	17.455	.090	.139	.004	5-529	443.36	2.29	3.53	.10	5-090	23.576	.120	.139	.004	5-090	598.83	3.05	3.53	.10
5-1100	17.500	.090	.139	.004	5-1100	444.50	2.29	3.53	.10	5-552	23.612	.120	.275	.006	5-552	599.74	3.05	6.99	.15
5-939	17.870	.090	.210	.005	5-939	453.90	2.29	5.33	.13	5-167	23.780	.120	.375	.007	5-167	604.01	3.05	9.52	.18
5-083	17.910	.090	.139	.004	5-083	454.91	2.29	3.53	.10	5-168	24.875	.120	.250	.006	5-168	631.82	3.05	6.35	.15
5-084	18.062	.090	.281	.006	5-084	458.77	2.29	7.16	.15	5-169	25.153	.120	.214	.005	5-169	638.89	3.05	5.44	.13
5-533	18.169	.090	.096	.003	5-533	461.49	2.29	2.44	.08	5-091	25.474	.120	.139	.004	5-091	647.04	3.05	3.53	.10
5-1102	18.265	.090	.210	.005	5-1102	463.93	2.29	5.33	.13	5-170	25.500	.120	.275	.006	5-170	647.70	3.05	6.99	.15
5-085	18.350	.090	.210	.005	5-085	466.09	2.29	5.33	.13	5-171	26.125	.120	.275	.006	5-171	663.58	3.05	6.99	.15
5-534	18.405	.090	.210	.005	5-534	467.49	2.29	5.33	.13	5-173	26.188	.120	.210	.005	5-173	665.18	3.05	5.33	.13
5-1104	18.500	.090	.188	.005	5-1104	469.90	2.29	4.78	.13	5-631	26.408	.120	.139	.004	5-631	670.76	3.05	3.53	.10
5-1105	18.635	.090	.139	.004	5-1105	473.33	2.29	3.53	.10	5-172	27.485	.120	.275	.006	5-172	698.12	3.05	6.99	.15
5-943	18.870	.100	.275	.006	5-943	479.30	2.54	6.99	.15	5-092	27.625	.120	.275	.006	5-092	701.68	3.05	6.99	.15
5-944	18.880	.100	.139	.004	5-944	479.55	2.54	3.53	.10	5-955	28.801	.140	.275	.006	5-955	731.55	3.56	6.99	.15
5-947	19.380	.100	.139	.004	5-947	492.25	2.54	3.53	.10										
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										
5-948	19.725	.100	.210	.005	5-948	501.02	2.54	5.33	.13										
5-950	19.960	.100	.139	.004	5-950	506.98	2.54	3.53	.10										
5-1010	20.609	.100	.139	.004	5-1010	523.47	2.54	3.53	.10										

- (a) The rubber compound must be added when ordering by the 5-size number (i.e., N0674-70 5-007).
- (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

Series 5-XXX Locator Table

Size	I.D.	Size	I.D.	Size	I.D.	Size	I.D.	Size	I.D.
5-001	.547	5-118	.059	5-243	.604	5-421	5.882	5-578	.102
5-002	.416	5-124	.176	5-247	.623	5-428	6.361	5-579	.133
5-003	.836	5-125	.180	5-248	.625	5-430	6.482	5-580	.165
5-004	1.070	5-127	.239	5-250	.627	5-434	7.108	5-581	.192
5-005	.640	5-133	.332	5-251	.631	5-438	7.613	5-582	.224
5-006	.796	5-134	.410	5-252	.652	5-439	7.640	5-583	.251
5-008	1.421	5-135	.526	5-254	.660	5-445	8.277	5-584	.283
5-009	1.553	5-136	.643	5-256	.707	5-450	9.071	5-585	.314
5-011	1.860	5-137	.775	5-257	.772	5-457	10.232	5-586	.350
5-015	2.296	5-138	.898	5-263	.750	5-458	10.340	5-587	.350
5-018	.352	5-139	.987	5-264	.752	5-464	10.656	5-588	.413
5-021	.603	5-140	1.112	5-266	.766	5-466	10.749	5-590	.535
5-022	.890	5-141	1.226	5-273	.879	5-469	10.883	5-591	.594
5-024	1.515	5-142	1.450	5-278	.979	5-471	10.995	5-592	.665
5-025	1.765	5-143	1.670	5-279	1.004	5-474	11.331	5-593	.724
5-027	2.140	5-144	1.891	5-291	1.186	5-480	12.017	5-594	.720
5-031	3.640	5-145	2.141	5-294	1.213	5-482	12.109	5-595	.779
5-035	1.786	5-148	.154	5-295	1.225	5-485	12.260	5-596	.838
5-037	2.036	5-151	.239	5-296	1.229	5-486	12.299	5-597	.905
5-039	2.411	5-156	.575	5-297	1.230	5-487	12.380	5-598	.968
5-042	2.846	5-157	1.338	5-301	1.259	5-488	12.463	5-599	1.031
5-044	3.036	5-158	1.550	5-312	1.454	5-492	13.248	5-600	1.094
5-045	3.161	5-159	2.683	5-320	1.540	5-493	13.490	5-601	1.153
5-049	.871	5-160	.312	5-321	1.559	5-494	13.541	5-602	1.212
5-051	.070	5-162	.554	5-327	1.640	5-496	13.616	5-603	1.279
5-052	.270	5-164	12.160	5-329	1.670	5-498	13.650	5-604	1.342
5-056	.301	5-165	10.359	5-330	1.674	5-500	13.718	5-605	1.401
5-057	.364	5-166	14.722	5-335	1.802	5-502	14.088	5-606	1.468
5-058	.426	5-167	23.780	5-337	1.873	5-504	14.430	5-609	.600
5-060	4.390	5-168	24.875	5-338	1.925	5-505	14.470	5-611	12.900
5-062	5.604	5-169	25.153	5-342	1.980	5-506	14.570	5-612	.344
5-063	5.750	5-170	25.500	5-343	2.000	5-507	14.600	5-613	.437
5-064	6.350	5-171	26.125	5-346	2.046	5-508	14.674	5-614	.391
5-069	11.750	5-172	27.485	5-347	2.163	5-512	15.171	5-615	.469
5-070	13.270	5-173	26.188	5-348	2.172	5-515	15.548	5-616	.516
5-071	13.410	5-178	.120	5-354	2.471	5-516	15.740	5-617	.625
5-072	13.460	5-179	.239	5-355	2.524	5-517	15.750	5-618	1.016
5-073	13.820	5-180	.248	5-358	2.576	5-518	16.031	5-619	12.915
5-074	14.234	5-181	.725	5-361	2.671	5-520	16.435	5-622	16.750
5-076	15.260	5-187	.070	5-367	2.924	5-522	16.507	5-623	10.630
5-077	15.300	5-190	.132	5-368	3.020	5-524	16.640	5-624	14.111
5-079	15.540	5-193	.176	5-369	3.037	5-525	16.765	5-626	14.470
5-080	16.575	5-194	.228	5-374	3.112	5-526	17.250	5-631	26.408
5-082	17.250	5-197	.242	5-380	3.363	5-528	17.268	5-632	.110
5-083	17.910	5-202	.278	5-381	3.475	5-529	17.455	5-635	9.370
5-084	18.062	5-204	.312	5-390	3.957	5-533	18.169	5-638	.233
5-085	18.350	5-205	.312	5-394	4.096	5-534	18.405	5-642	2.051
5-086	19.580	5-206	.326	5-395	4.117	5-541	19.500	5-643	.650
5-088	21.180	5-209	.370	5-396	4.171	5-547	21.564	5-646	.126
5-089	23.406	5-211	.375	5-401	4.531	5-551	23.540	5-652	.473
5-090	23.576	5-212	.384	5-402	4.750	5-552	23.612	5-655	2.020
5-091	25.474	5-215	.418	5-403	4.930	5-557	3.125	5-657	1.465
5-092	27.625	5-218	.425	5-407	5.249	5-559	5.236	5-664	.320
5-101	.100	5-222	.455	5-408	5.265	5-563	.583	5-666	6.520
5-102	.116	5-223	.458	5-410	5.340	5-566	.489	5-669	.146
5-103	.128	5-225	.469	5-412	5.414	5-567	5.985	5-670	1.437
5-105	.154	5-230	.500	5-413	5.475	5-569	12.475	5-671	1.680
5-106	.154	5-231	.501	5-414	5.487	5-571	16.234	5-673	.305
5-107	.176	5-239	.570	5-416	5.553	5-573	5.968	5-675	.508
5-108	.176	5-242	.600	5-417	5.616	5-575	8.875	5-676	.610

Table 9-4: Series 5-XXX Locator Table



Series 5-XXX Locator Table (Continued)

Size	I.D.	Size	I.D.	Size	I.D.	Size	I.D.	Size	I.D.
5-677	1.004	5-763	1.080	5-855	5.444	5-912	13.734	5-989	4.225
5-682	.426	5-769	1.176	5-856	5.465	5-920	14.780	5-1002	.239
5-683	.122	5-780	1.412	5-858	5.500	5-921	14.795	5-1004	.290
5-685	.208	5-788	1.591	5-862	5.789	5-922	14.990	5-1006	.322
5-686	.248	5-794	1.812	5-863	5.815	5-924	15.410	5-1007	.330
5-687	.287	5-795	1.850	5-869	6.609	5-925	15.465	5-1010	20.609
5-691	7.139	5-796	1.913	5-873	7.230	5-930	16.285	5-1011	.447
5-696	7.110	5-800	2.225	5-875	7.580	5-935	17.100	5-1014	.525
5-697	2.878	5-805	2.535	5-876	7.674	5-937	17.390	5-1018	1.671
5-698	.283	5-807	2.782	5-877	7.802	5-939	17.870	5-1023	1.788
5-699	.353	5-810	3.041	5-880	8.350	5-943	18.870	5-1028	1.190
5-700	.354	5-811	3.060	5-882	9.162	5-944	18.880	5-1041	6.023
5-701	1.937	5-813	3.130	5-883	9.820	5-947	19.380	5-1042	1.817
5-702	2.312	5-815	3.156	5-884	9.984	5-948	19.725	5-1043	1.882
5-703	2.563	5-816	3.162	5-885	10.171	5-950	19.960	5-1044	2.060
5-704	2.812	5-819	3.210	5-886	10.178	5-953	22.360	5-1046	2.140
5-705	2.937	5-821	3.300	5-887	10.343	5-955	28.801	5-1047	2.281
5-708	.850	5-825	3.350	5-889	10.372	5-964	.744	5-1052	3.080
5-709	1.000	5-828	3.661	5-890	10.606	5-975	7.425	5-1053	3.354
5-710	.301	5-831	4.020	5-891	10.734	5-976	10.425	5-1054	4.080
5-712	.313	5-833	4.085	5-894	10.996	5-979	3.443	5-1060	4.609
5-716	.362	5-836	4.427	5-898	11.335	5-980	1.475	5-1097	13.750
5-718	.395	5-840	4.630	5-900	12.000	5-981	1.850	5-1100	17.500
5-726	.484	5-842	4.664	5-901	12.234	5-982	2.725	5-1102	18.265
5-735	.583	5-844	4.682	5-902	12.360	5-983	2.975	5-1104	18.500
5-736	.590	5-848	4.875	5-905	12.623	5-984	3.225	5-1105	18.635
5-743	.660	5-850	4.925	5-906	12.705	5-985	3.600		
5-751	.820	5-851	4.984	5-907	12.725	5-986	3.725		
5-753	.857	5-852	5.030	5-908	12.840	5-987	3.975		
5-761	1.010	5-853	5.057	5-910	13.375	5-988	4.100		

Table 9-4: 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			Tol. ±	1.80±0.08	2.65±0.09	3.55±0.10	5.30±0.13			7.00±0.15	Tol. ±	1.80±0.08	2.65±0.09	3.55±0.10
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		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		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		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		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		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		250,0	1,49		x	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		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								x								

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

Sizes

Inside Diameters, Cross Sections and Tolerances for Aerospace Applications — Series G (ISO3601-1)

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)				
	Tol. ±	1.80±0.08	2.65±0.09	3.55±0.10	5.30±0.13	7.00±0.15		Tol. ±	1.80±0.08	2.65±0.09	3.55±0.10	5.30±0.13	7.00±0.15		Tol. ±	1.80±0.08	2.65±0.09	3.55±0.10	5.30±0.13	7.00±0.15
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	x
4,5	0,14	x					47,5	0,44			x	x		212,0	1,63			x	x	x
4,87	0,15	x					48,7	0,45			x	x		218,0	1,67			x	x	x
5,0	0,15	x					50,0	0,46			x	x		224,0	1,71			x	x	x
5,15	0,15	x					51,5	0,47			x	x		230,0	1,75			x	x	x
5,3	0,15	x					53,0	0,48			x	x		236,0	1,79			x	x	x
5,6	0,15	x					54,5	0,50			x	x		243,0	1,83			x	x	x
6,0	0,15	x					56,0	0,51			x	x		250,0	1,88			x	x	x
6,3	0,15	x					58,0	0,52			x	x		258,0	1,93			x	x	x
6,7	0,16	x					60,0	0,54			x	x		265,0	1,98			x	x	x
6,9	0,16	x					61,5	0,55			x	x		272,0	2,02			x	x	x
7,1	0,16	x					63,0	0,56			x	x		280,0	2,08			x	x	x
7,5	0,16	x					65,0	0,58			x	x		290,0	2,14			x	x	x
8,0	0,16	x					67,0	0,59			x	x		300,0	2,21			x	x	x
8,5	0,16	x					69,0	0,61			x	x		307,0	2,25			x	x	x
8,75	0,17	x					71,0	0,63			x	x		315,0	2,30			x	x	x
9,0	0,17	x					73,0	0,64			x	x		325,0	2,37			x	x	x
9,5	0,17	x					75,0	0,66			x	x		335,0	2,43			x	x	x
10,0	0,17	x					77,5	0,67			x	x		345,0	2,49			x	x	x
10,6	0,18	x					80,0	0,69			x	x		355,0	2,56			x	x	x
11,2	0,18	x					82,5	0,71			x	x		365,0	2,62			x	x	x
11,8	0,19	x					85,0	0,73			x	x		375,0	2,68			x	x	x
12,5	0,19	x					87,5	0,75			x	x		387,0	2,76			x	x	x
13,2	0,19	x					90,0	0,77			x	x		400,0	2,84			x	x	x
14,0	0,19	x	x				92,5	0,79			x	x		412,0	2,91			x	x	x
15,0	0,20	x	x				95,0	0,81			x	x		425,0	2,99			x	x	x
16,0	0,20	x	x				97,5	0,83			x	x		437,0	3,07			x	x	x
17,0	0,21	x	x				100,0	0,84			x	x		450,0	3,15			x	x	x
18,0	0,21		x	x			103,0	0,87			x	x		462,0	3,22			x	x	x
19,0	0,22		x	x			106,0	0,89			x	x		475,0	3,30			x	x	x
20,0	0,22		x	x			109,0	0,91			x	x	x	487,0	3,37			x	x	x
21,2	0,23		x	x			112,0	0,93			x	x	x	500,0	3,45			x	x	x
22,4	0,24		x	x			115,0	0,95			x	x	x	515,0	3,54			x	x	x
23,6	0,24		x	x			118,0	0,97			x	x	x	530,0	3,63			x	x	x
25,0	0,25		x	x			122,0	1,00			x	x	x	545,0	3,72			x	x	x
25,8	0,26		x	x			125,0	1,03			x	x	x	560,0	3,81			x	x	x
26,5	0,26		x	x			128,0	1,05			x	x	x	580,0	3,93			x	x	x
28,0	0,28		x	x			132,0	1,08			x	x	x	600,0	4,05			x	x	x
30,0	0,29		x	x			136,0	1,10			x	x	x	615,0	4,13			x	x	x
31,5	0,31		x	x			140,0	1,13			x	x	x	630,0	4,22			x	x	x
32,5	0,32		x	x			145,0	1,17			x	x	x	650,0	4,34			x	x	x
33,5	0,32		x	x			150,0	1,20			x	x	x	670,0	4,46			x	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 B2401	Thickness		Inner Diameter	
	W (mm)		d (mm)	
P 3			2.8	±0.14
P 4			3.8	±0.14
P 5			4.8	±0.15
P 6			5.8	±0.15
P 7	1.9	±0.08	6.8	±0.16
P 8			7.8	±0.16
P 9			8.8	±0.17
P 10			9.8	±0.17
P 10A			9.8	±0.17
P 11			10.8	±0.18
P 11.2			11.0	±0.18
P 12			11.8	±0.19
P 12.5			12.3	±0.19
P 14			13.8	±0.19
P 15	2.4	±0.09	14.8	±0.20
P 16			15.8	±0.20
P 18			17.8	±0.21
P 20			19.8	±0.22
P 21			20.8	±0.23
P 22			21.8	±0.24
P 22A			21.7	±0.24
P 22.4			22.1	±0.24
P 24			23.7	±0.24
P 25			24.7	±0.25
P 25.5			25.2	±0.25
P 26			25.7	±0.26
P 28			27.7	±0.28
P 29			28.7	±0.29
P 29.5			29.2	±0.29
P 30			29.7	±0.29
P 31	3.5	±0.10	30.7	±0.30
P 31.5			31.2	±0.31
P 32			31.7	±0.31
P 34			33.7	±0.33
P 35			34.7	±0.34
P 35.5			35.2	±0.34
P 36			35.7	±0.34
P 38			37.7	±0.37
P 39			38.7	±0.37
P 40			39.7	±0.37
P 41			40.7	±0.38
P 42			41.7	±0.39
P 44			43.7	±0.41
P 45			44.7	±0.41
P 46			45.7	±0.42

JIS B2401	Thickness		Inner Diameter	
	W (mm)		d (mm)	
P 48			47.7	±0.44
P 49	3.5	±0.10	48.7	±0.45
P 50			49.7	±0.45
P 48A			47.6	±0.45
P 50A			49.6	±0.45
P 52			51.6	±0.47
P 53			52.6	±0.48
P 55			54.6	±0.49
P 56			55.6	±0.50
P 58			57.6	±0.52
P 60			59.6	±0.53
P 62			61.6	±0.55
P 63			62.6	±0.56
P 65			64.6	±0.57
P 67			66.6	±0.59
P 70			69.6	±0.61
P 71			70.6	±0.62
P 75			74.6	±0.65
P 80	5.7	±0.13	79.6	±0.69
P 85			84.6	±0.73
P 90			89.6	±0.77
P 95			94.6	±0.81
P 100			99.6	±0.84
P 102			101.6	±0.85
P 105			104.6	±0.87
P 110			109.6	±0.91
P 112			111.6	±0.92
P 115			114.6	±0.94
P 120			119.6	±0.98
P 125			124.6	±1.01
P 130			129.6	±1.05
P 132			131.6	±1.06
P 135			134.6	±1.09
P 140			139.6	±1.12
P 145			144.6	±1.16
P 150			149.6	±1.19
P 150A			149.5	±1.19
P 155			154.5	±1.23
P 160			159.5	±1.26
P 165			164.5	±1.30
P 170			169.5	±1.33
P 175	8.4	±0.15	174.5	±1.37
P 180			179.5	±1.40
P 185			184.5	±1.44
P 190			189.5	±1.48
P 195			194.5	±1.51

JIS B2401	Thickness		Inner Diameter	
	W (mm)		d (mm)	
P 200			199.5	±1.55
P 205			204.5	±1.58
P 209			208.5	±1.61
P 210			209.5	±1.62
P 215			214.5	±1.65
P 220			219.5	±1.68
P 225			224.5	±1.71
P 230			229.5	±1.75
P 235			234.5	±1.78
P 240			239.5	±1.81
P 245	8.4	±0.15	244.5	±1.84
P 250			249.5	±1.88
P 255			254.5	±1.91
P 260			259.5	±1.94
P 265			264.5	±1.97
P 270			269.5	±2.01
P 275			274.5	±2.04
P 280			279.5	±2.07
P 285			284.5	±2.10
P 290			289.5	±2.14
P 295			294.5	±2.17
P 300			299.5	±2.20
P 315			314.5	±2.30
P 320			319.5	±2.33
P 335			334.5	±2.42
P 340			339.5	±2.45
P 355			354.5	±2.54
P 360			359.5	±2.57
P 375			374.5	±2.67
P 385			384.5	±2.73
P 400			399.5	±2.82
G 25			24.4	±0.25
G 30			29.4	±0.29
G 35			34.4	±0.33
G 40			39.4	±0.37
G 45			44.4	±0.41
G 50			49.4	±0.45
G 55			54.4	±0.49
G 60			59.4	±0.53
G 65			64.4	±0.57
G 70			69.4	±0.61
G 80			79.4	±0.69
G 85	3.1	±0.10	84.4	±0.73
G 90			89.4	±0.77
G 95			94.4	±0.81

Table 9-7: JIS B2401 Sizes

JIS B2401 Sizes (Continued)

JIS B2401	Thickness		Inner Diameter		JIS B2401	Thickness		Inner Diameter		JIS B2401	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

Unusual Size Cross Reference to European O-Ring Codes and Sizes

Parker Size No.	MIL-P 5516 Class B Size No.	B.S. 1806 No.	UK Code No.	French Code No.	Parker Size No.	MIL-P 5516 Class B Size No.	B.S. 1806 No.	UK Code No.	French Code No.
2-004	-	-4	-	-	2-135	-	-135	-	-
2-005	-	-5	-	-	2-136	-	-136	-	-
2-006	AN6227B-1	-6	R.101	AN-1	2-137	-	-137	-	-
2-007	AN6227B-2	-7	R.102	AN-2	2-138	-	-138	-	-
2-008	AN6227B-3	-8	R.103	AN-3	2-139	-	-139	-	-
2-009	AN6227B-4	-9	R.104	AN-4	2-140	-	-140	-	-
2-010	AN6227B-5	-10	R.105	AN-5	2-141	-	-141	-	-
2-011	AN6227B-6	-11	R.107	AN-6	2-142	-	-142	-	-
2-012	AN6227B-7	-12	R.110	AN-7	2-143	-	-143	-	-
2-013	-	-13	-	-	2-144	-	-144	-	-
2-014	-	-14	-	-	2-145	-	-145	-	-
2-015	-	-15	-	-	2-146	-	-146	-	-
2-016	-	-16	-	-	2-147	-	-147	-	-
2-017	-	-17	-	-	2-148	-	-148	-	-
2-018	-	-18	-	-	2-149	-	-149	-	-
2-019	-	-19	-	-	2-210	AN6227B-15	-210	R.125	AN-15
2-020	-	-20	-	-	2-211	AN6227B-16	-211	R.126	AN-16
2-021	-	-21	-	-	2-212	AN6227B-17	-212	R.129	AN-17
2-022	-	-22	-	-	2-213	AN6227B-18	-213	R.131	AN-18
2-023	-	-23	-	-	2-214	AN6227B-19	-214	R.133	AN-19
2-024	-	-24	-	-	2-215	AN6227B-20	-215	R.135	AN-20
2-025	-	-25	-	-	2-216	AN6227B-21	-216	R.136	AN-21
2-026	-	-26	-	-	2-217	AN6227B-22	-217	R.137	AN-22
2-027	-	-27	-	-	2-218	AN6227B-23	-218	R.138	AN-23
2-028	-	-28	-	-	2-219	AN6227B-24	-219	R.139	AN-24
2-110	AN6227B-8	-110	R.111	AN-8	2-220	AN6227B-25	-220	R.140	AN-25
2-111	AN6227B-9	-111	R.113	AN-9	2-221	AN6227B-26	-221	R.141	AN-26
2-112	AN6227B-10	-112	R.116	AN-10	2-222	AN6227B-27	-222	R.142	AN-27
2-113	AN6227B-11	-113	R.118	AN-11	2-223	AN6230B-1	-223	R.146*	-
2-114	AN6227B-12	-114	R.120	AN-12	2-224	AN6230B-2	-224	R.149*	-
2-115	AN6227B-13	-115	R.122	AN-13	2-225	AN6230B-3	-225	R.152*	-
2-116	AN6227B-14	-116	R.124	AN-14	2-226	AN6230B-4	-226	R.155*	-
2-117	-	-117	R.127	-	2-227	AN6230B-5	-227	R.158*	-
2-118	-	-118	R.130*	-	2-228	AN6230B-6	-228	R.161*	-
2-119	-	-119	R.132*	-	2-229	AN6230B-7	-229	R.164*	-
2-120	-	-120	-	-	2-230	AN6230B-8	-230	R.167*	-
2-121	-	-121	-	-	2-231	AN6230B-9	-231	R.170*	-
2-122	-	-122	-	-	2-232	AN6230B-10	-232	R.173*	-
2-123	-	-123	-	-	2-233	AN6230B-11	-233	R.176*	-
2-124	-	-124	-	-	2-234	AN6230B-12	-234	-	-
2-125	-	-125	-	-	2-235	AN6230B-13	-235	-	-
2-126	-	-126	-	-	2-236	AN6230B-14	-236	-	-
2-127	-	-127	-	-	2-237	AN6230B-15	-237	-	-
2-128	-	-128	-	-	2-238	AN6230B-16	-238	-	-
2-129	-	-129	-	-	2-239	AN6230B-17	-239	-	-
2-130	-	-130	-	-	2-240	AN6230B-18	-240	-	-
2-131	-	-131	-	-	2-241	AN6230B-19	-241	-	-
2-132	-	-132	-	-	2-242	AN6230B-20	-242	-	-
2-133	-	-133	-	-	2-243	AN6230B-21	-243	-	-
2-134	-	-134	-	-	2-244	AN6230B-22	-244	-	-

Table 9-8: Unusual Size Cross Reference to European O-Ring Codes and Sizes

Unusual Size Cross Reference to European O-Ring Codes and Sizes (Continued)

Parker Size No.	MIL-P 5516 Class B Size No.	B.S. 1806 No.	UK Code No.	French Code No.	Parker Size No.	MIL-P 5516 Class B Size No.	B.S. 1806 No.	UK Code No.	French Code No.
2-245	AN6230B-23	-245	-	-	2-340	AN6227B-43	-340	R.183	R-43
2-246	AN6230B-24	-246	-	-	2-341	AN6227B-44	-341	R.184	R-44
2-247	AN6230B-25	-247	-	-	2-342	AN6227B-45	-342	R.186	R-45
2-248	AN6230B-26	-248	-	-	2-343	AN6227B-46	-343	R.187	R-46
2-249	AN6230B-27	-249	-	-	2-344	AN6227B-47	-344	R.188	R-47
2-250	AN6230B-28	-250	-	-	2-345	AN6227B-48	-345	R.190	R-48
2-251	AN6230B-29	-251	-	-	2-346	AN6227B-49	-346	R.191	R-49
2-252	AN6230B-30	-252	-	-	2-347	AN6227B-50	-347	R.192	R-50
2-253	AN6230B-31	-253	-	-	2-348	AN6227B-51	-348	R.194	R-51
2-254	AN6230B-32	-254	-	-	2-349	AN6227B-52	-349	R.195	R-52
2-255	AN6230B-33	-255	-	-	2-425	AN6227B-88	-425	R.196	R-53
2-256	AN6230B-34	-256	-	-	2-426	AN6227B-53	-426	R.198	R-54
2-257	AN6230B-35	-257	-	-	2-427	AN6227B-54	-427	R.200	R-55
2-258	AN6230B-36	-258	-	-	2-428	AN6227B-55	-428	R.202	R-56
2-259	AN6230B-37	-259	-	-	2-429	AN6227B-56	-429	R.205	R-57
2-260	AN6230B-38	-260	-	-	2-430	AN6227B-57	-430	R.207	R-58
2-261	AN6230B-39	-261	-	-	2-431	AN6227B-58	-431	R.209	R-59
2-262	AN6230B-40	-262	-	-	2-432	AN6227B-59	-432	R.212	R-60
2-263	AN6230B-41	-263	-	-	2-433	AN6227B-60	-433	R.214	R-61
2-264	AN6230B-42	-264	-	-	2-434	AN6227B-61	-434	R.216	R-62
2-265	AN6230B-43	-265	-	-	2-435	AN6227B-62	-435	R.218	R-63
2-266	AN6230B-44	-266	-	-	2-436	AN6227B-63	-436	R.220	R-64
2-267	AN6230B-45	-267	-	-	2-437	AN6227B-64	-437	R.222	R-65
2-268	AN6230B-46	-268	-	-	2-438	AN6227B-65	-438	R.224	R-66
2-269	AN6230B-47	-269	-	-	2-439	AN6227B-66	-439	R.227	R-67
2-270	AN6230B-48	-270	-	-	2-440	AN6227B-67	-440	R.230	R-68
2-271	AN6230B-49	-271	-	-	2-441	AN6227B-68	-441	R.232	R-69
2-272	AN6230B-50	-272	-	-	2-442	AN6227B-69	-442	R.234	R-70
2-273	AN6230B-51	-273	-	-	2-443	AN6227B-70	-443	R.236	R-71
2-274	AN6230B-52	-274	-	-	2-444	AN6227B-71	-444	R.238	R-72
2-325	AN6227B-28	-325	R.143	R-28	2-445	AN6227B-72	-445	R.240	R-73
2-326	AN6227B-29	-326	R.145	R-29	2-446	AN6227B-73	-446	R.242	R-74
2-327	AN6227B-30	-327	R.148	R-30	2-447	AN6227B-74	-447	R.244	R-75
2-328	AN6227B-31	-328	R.151	R-31	2-248	AN6227B-75	-248	R.246	R-76
2-329	AN6227B-32	-329	R.154	R-32	2-249	AN6227B-76	-249	R.248	R-77
2-330	AN6227B-33	-330	R.157	R-33	2-450	AN6227B-77	-450	R.250	R-78
2-331	AN6227B-34	-331	R.160	R-34	2-451	AN6227B-78	-451	R.252	R-79
2-332	AN6227B-35	-332	R.163	R-35	2-452	AN6227B-79	-452	R.254	R-80
2-333	AN6227B-36	-333	R.166	R-36	2-453	AN6227B-80	-453	R.256	R-81
2-334	AN6227B-37	-334	R.169	R-37	2-454	AN6227B-81	-454	R.257	R-82
2-335	AN6227B-38	-335	R.172	R-38	2-455	AN6227B-82	-455	R.258	R-83
2-336	AN6227B-39	-336	R.175	R-39	2-456	AN6227B-83	-456	R.259	R-84
2-337	AN6227B-40	-337	R.179	R-40	2-457	AN6227B-84	-457	R.260	R-85
2-338	AN6227B-41	-338	R.180	R-41	2-458	AN6227B-85	-458	R.261	R-86
2-339	AN6227B-42	-339	R.182	R-42	2-459	AN6227B-86	-459	R.262	R-87

Table 9-8: Unusual Size Cross Reference to European O-Ring Codes and Sizes

Unusual Size Cross Reference to European O-Ring Codes and Sizes (Continued)

Parker Size No.	UK Code No.	Parker Size No.	UK Code No.
5-052	R.106*	5-064	R.226*
5-612	R.108	5-434	R.233*
2-110	R.109*	5-445	R.241*
5-614	R.112	5-474	R.253*
5-613	R.114	5-578	R-1
5-615	R.115	5-579	R-2
5-616	R.117	5-580	R-3
5-243	R.119*	5-581	R-4
5-617	R.121	5-582	R-5
5-256	R.123*	5-583	R-5A
2-117	R.128	5-584	R-6
5-618	R.134*	5-585	R-6A
5-321	R.144	5-586	R-7
5-332	R.147	5-587	R-8
5-035	R.150*	5-588	R-9
5-701	R.153	5-589	R-10
5-037	R.156*	5-590	R-11
5-702	R.162	5-591	R-12
5-039	R.165*	5-592	R-13
5-703	R.168	5-593	R-14
5-361	R.171*	5-594	R-15
5-704	R.174	5-595	R-16
5-705	R.177	5-596	R-17
2-350	R.199*	5-597	R-18
2-351	R.201*	5-598	R-19
2-352	R.203*	5-599	R-20
2-353	R.206*	5-600	R-21
2-354	R.208*	5-601	R-22
2-355	R.210*	5-602	R-23
2-356	R.213*	5-603	R-24
2-357	R.215*	5-604	R-25
2-358	R.217*	5-605	R-26
2-359	R.219*	5-606	R-27
2-360	R.221*		

Table 9-8: Unusual Size Cross Reference to European O-Ring Codes and Sizes

O-Rings for Metric Tube Fittings (ISO 6149) (Similar to SAE J2244)

Port Thread	O-Ring Name	Parker Part No	ID mm	Tol. \pm mm	W mm	Tol. \pm mm
M8x1	M8 ISO O-Ring	0024-0063	6,10	0,13	1,60	0,08
M10x1	M10 ISO O-Ring	0031-9063	8,10	0,13	1,60	0,08
M12x1.5	M12 ISO O-Ring	0036-6087	9,30	0,13	2,20	0,08
M14x1.5	M14 ISO O-Ring	0044-5087	11,30	0,13	2,20	0,08
M16x1.5	M16 ISO O-Ring	0052-4087	13,30	0,15	2,20	0,08
M18x1.5	M18 ISO O-Ring	0060-2087	15,30	0,18	2,20	0,08
M22x1.5	M22 ISO O-Ring	0076-0087	19,30	0,20	2,20	0,08
M27x2	M27 ISO O-Ring	0092-9114	23,60	0,23	2,90	0,10
M33x2	M33 ISO O-Ring	0116-5114	29,60	0,30	2,90	0,10
M42x2	M42 ISO O-Ring	0152-0114	38,60	0,36	2,90	0,10
M48x2	M48 ISO O-Ring	0175-6114	44,60	0,41	2,90	0,10
M60x2	M60 ISO O-Ring	0222-8114	56,60	0,46	2,90	0,10

*Parker O-Ring Division is tooled in these sizes for Nitrile and Fluorocarbon rubber only. Contact the division for availability.

Design Table 9-9: O-Rings for Metric Tube Fittings (ISO 6149)



