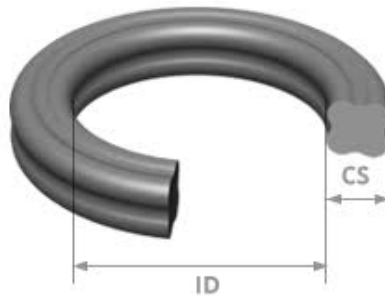


A C E Seal

Advanced
Concepts in Sealing
Engineering



Quad Ring/X-Ring Size Chart



1/16" Cross-Section (w), actual .070"

No.	I.D."	Actual	O.D."	No.	I.D."	Actual	O.D."	No.	I.D."	Actual	O.D."
-001*	1/32	0.029	3/32	-018	3/4	0.739	7/8	-035	2-1/4	2.239	2-3/8
-002*	3/64	0.042	9/64	-019	13/16	0.801	15/16	-036	2-3/8	2.364	2-1/2
-003*	1/16	0.056	13/64	-020	7/8	0.864	1	-037	2-1/2	2.489	2-5/8
-004	5/64	0.070	13/64	-021	15/16	0.925	1-1/16	-038	2-5/8	2.614	2-3/4
-005	3/32	0.101	7/32	-022	1	0.989	1-1/8	-039	2-3/4	2.739	2-7/8
-006	1/8	0.114	1/4	-023	1-1/16	1.051	1-3/16	-040	2-7/8	2.864	3
-007	5/32	0.145	9/32	-024	1-1/8	1.114	1-1/4	-041	3	2.989	3-1/8
-008	3/16	0.176	5/16	-025	1-3/16	1.176	1-5/16	-042	3-1/4	3.239	3-3/8
-009	7/32	0.208	11/32	-026	1-1/4	1.239	1-3/8	-043	3-1/2	3.489	3-5/8
-010	1/4	0.239	3/8	-027	1-5/16	1.301	1-7/16	-044	3-3/4	3.739	3-7/8
-011	5/16	0.301	7/16	-028	1-3/8	1.364	1-1/2	-045	4	3.989	4-1/8
-012	3/8	0.364	1/2	-029	1-1/2	1.489	1-5/8	-046	4-1/4	4.239	4-3/8
-013	7/16	0.426	9/16	-030	1-5/8	1.614	1-3/4	-047	4-1/2	4.489	4-5/8
-014	1/2	0.489	5/8	-031	1-3/4	1.739	1-7/8	-048	4-3/4	4.739	4-7/8
-015	9/16	0.551	11/16	-032	1-7/8	1.864	2	-049	5	4.989	5-1/8
-016	5/8	0.614	3/4	-033	2	1.989	2-1/8	-050	5-1/4	5.239	4-3/8
-017	11/16	0.676	13/16	-034	2-1/8	2.114	2-1/4				

* Note - actual cross-section of -001 is 0.040"; -002 is 0.050"; -003 is 0-060"

3/32" Cross-Section (w), actual .103"

No.	I.D."	Actual	O.D."	No.	I.D."	Actual	O.D."	No.	I.D."	Actual	O.D."
-102	1/16	0.049	1/4	-127	1-7/16	1.424	1-5/8	-153	3-1/2	3.487	3-11/16
-103	3/32	0.081	9/32	-128	1-1/2	1.487	1-11/16	-154	3-3/4	3.737	3-15/16
-104	1/8	0.112	5/16	-129	1-9/16	1.549	1-3/4	-155	4	3.987	4-3/16
-105	5/32	0.143	11/32	-130	1-5/8	1.612	1-13/16	-156	4-1/4	4.237	4-7/16
-106	3/16	0.174	3/8	-131	1-11/16	1.674	1-7/8	-157	4-1/2	4.487	4-11/16
-107	7/32	0.206	9/16	-132	1-3/4	1.737	1-15/16	-158	4-3/4	4.737	4-15/16
-108	1/4	0.237	7/16	-133	1-13/16	1.799	2	-159	5	4.987	5-3/16
-109	5/16	0.299	1/2	-134	1-7/8	1.862	2.1/16	-160	5-1/4	5.237	5-7/16
-110	3/8	0.362	9/16	-135	1-15/16	1.925	2.1/8	-161	5-1/2	5.487	5-11/16
-111	7/16	0.424	5/8	-136	2	1.987	2.3/16	-162	5-3/4	5.737	5-15/16
-112	1/2	0.478	11/16	-137	2-1/16	2.050	2-1/4	-163	6	5.987	6-3/16
-113	9/16	0.549	3/4	-138	2-1/8	2.112	2-5/16	-164	6-1/4	6.237	6-7/16
-114	5/8	0.612	13/16	-139	2-3/16	2.175	2-3/8	-165	6-1/2	6.487	6-11/16
-115	11/16	0.674	7/8	-140	2-1/4	2.237	2-7/16	-166	6-3/4	6.737	6-15/16
-116	3/4	0.737	15/16	-141	2-5/16	2.300	2-1/2	-167	7	6.987	7-3/16
-117	13/16	0.799	1	-142	2-3/8	2.362	2-9/16	-168	7-1/4	7.237	7-7/16
-118	7/8	0.862	1-1/16	-143	2-7/16	2.425	2-5/8	-169	7-1/2	7.487	7-11/16
-119	15/16	0.924	1-1/8	-144	2-1/2	2.487	2-11/16	-170	7-3/4	7.737	7-15/16
-120	1	0.987	1-3/16	-145	2-9/16	2.550	2-3/4	-171	8	7.987	8-3/16
-121	1-1/16	1.049	1-1/4	-146	2-5/8	2.612	2-13/16	-172	8-1/4	8.237	8-7/16
-122	1-1/8	1.112	1-5/16	-147	2-11/16	2.675	2-7/8	-173	8-1/2	4.487	8-11/16
-123	1-3/16	1.174	1-3/8	-148	2-3/4	2.737	2-15/16	-174	8-3/4	8.737	8-15/16
-124	1-1/4	1.237	1-7/16	-149	2-13/16	2.800	3	-175	9	8.987	9.3/16
-125	1-5/16	1.299	1-1/2	-150	2-7/8	2.862	3-1/16	-176	9-1/4	9.237	9-7/16
-126	1-3/8	1.362	1-9/16	-151	3	2.897	3-3/16	-177	9-1/2	9.487	9-11/16
				-152	3-1/4	3.609	3-7/16	-178	9-3/4	9.737	9-15/16

1/8" Cross-Section (w), actual .139"

No.	I.D."	Actual	O.D."	No.	I.D."	Actual	O.D."	No.	I.D."	Actual	O.D."
-201	3/16	0.171	7/16	-229	2-3/8	2.359	2-5/8	-257	5-7/8	5.859	6-1/8
-202	1/4	0.234	1/2	-230	2-1/2	2.484	2-3/4	-258	6	5.984	6-1/4
-203	5/16	.0296	9/16	-231	2-5/8	2.609	2-7/8	-259	6-1/4	6.234	6-1/2
-204	3/8	0.359	5/8	-232	2-3/4	2.734	3	-260	6-1/2	6.484	6-3/4
-205	7/16	0.421	11/16	-233	2-7/8	2.859	3-1/8	-261	6-3/4	6.734	7
-206	1/2	0.484	3/4	-234	3	2.984	3-1/4	-262	7	6.984	7-1/4
-207	9/16	0.546	13/16	-235	3-1/8	3.109	3-3/8	-263	7-1/4	6.234	7-1/2
-208	5/8	0.609	7/8	-236	3-1/4	3.234	3-1/2	-264	7-1/2	7.484	7-3/4
-209	11/16	0.671	15/16	-237	3-3/8	3.359	3-5/8	-265	7-3/4	7.734	8
-210	3/4	0.734	1	-238	3-1/2	3.484	3-3/4	-266	8	7.984	8-1/4
-211	13/16	0.796	1-1/16	-239	3-5/8	3.609	3-7/8	-267	8-1/4	8.234	8-1/2
-212	7/8	0.859	1-1/8	-240	3-3/4	3.734	4	-268	8-1/2	8.484	8-3/4
-213	15/16	0.821	1-3/16	-241	3-7/8	3.859	4-1/8	-269	8-3/4	8.734	9
-214	1	0.984	1-1/4	-242	4	3.984	4-1/4	-270	9	8.984	9-1/4
-215	1-1/16	1.046	1-5/16	-243	4-1/8	4.109	4-3/8	-271	9-1/4	9.234	9-1/2
-216	1-1/8	1.109	1-3/8	-244	4-1/4	4.234	4-1/2	-272	9-1/2	9.484	9-3/4
-217	1-3/16	1.171	1-7/16	-245	4-3/8	4.359	4-5/8	-273	9-3/4	9.734	10
-218	1-1/4	1.234	1-1/2	-246	4-1/2	4.484	4-3/4	-274	10	9.984	10-1/4
-219	1-5/16	1.296	1-9/16	-247	4-5/8	4.609	4-7/8	-275	10-1/2	10.484	10-3/4
-220	1-3/8	1.359	1-5/8	-248	4-3/4	4.734	5	-276	11	10.984	11-1/4
-221	1-7/16	1.421	1-11/16	-249	4-7/8	4.859	5-1/8	-277	11-1/2	11.484	11-3/4
-222	1-1/2	1.484	1-3/4	-250	5	4.984	5-1/4	-278	12	11.984	12-1/4
-223	1-5/8	1.609	1-7/8	-251	5-1/8	5.109	5-3/8	-279	13	12.984	13-1/4
-224	1-3/4	1.734	2	-252	5-1/4	5.234	5-1/2	-280	14	13.984	14-1/4
-225	1-7/8	1.859	2-1/8	-253	5-3/8	5.359	5-5/8	-281	15	14.984	15-1/4
-226	2	1.984	2-1/4	-254	5-1/2	5.484	5-3/4	-282	16	15.955	16-1/4
-227	2-1/8	2.109	2-3/4	-255	5-5/8	5.609	5-7/8	-283	17	16.955	17-1/4
-228	2-1/4	2.234	2-1/2	-256	5-3/4	5.734	6	-284	18	17.955	18-1/4

3/16" Cross-Section (w), actual .210"

No.	I.D."	Actual	O.D."	No.	I.D."	Actual	O.D."	No.	I.D."	Actual	O.D."
-309	7/16	0.412	13/16	-338	3-1/8	3.100	3-1/2	-367	7-1/2	7.475	7-7/8
-310	1/2	0.475	7/8	-339	3-1/4	3.225	3-5/8	-368	7-3/4	7.725	8-1/8
-311	9/16	0.537	15/16	-340	3-3/8	3.350	3-3/4	-369	8	7.975	8-3/8
-312	5/8	0.600	1	-341	3-1/2	3.475	3-7/8	-370	8-1/4	8.225	8-5/8
-313	11/16	0.662	1-1/16	-342	3-5/8	3.600	4	-371	8-1/2	8.475	8-7/8
-314	3/4	0.725	1-1/8	-343	3-3/4	3.725	4-1/8	-372	8-3/4	8.725	9-1/8
-315	13/16	0.787	1-3/16	-344	3-7/8	3.850	4-1/4	-373	9	8.975	9-3/8
-316	7/8	0.850	1-1/4	-345	4	3.975	3-3/8	-374	9-1/4	9.225	9-5/8
-317	15/16	0.912	1-5/16	-346	4-1/8	4.100	4-1/2	-375	9-1/2	9.475	9-7/8
-318	1	0.975	1-3/8	-347	4-1/4	4.225	4-5/8	-376	9-3/4	9.725	10-1/8
-319	1-1/16	1.037	1-7/16	-348	4-3/8	4.350	4-3/4	-377	10	9.975	10-3/8
-320	1-1/8	1.100	1-1/2	-349	4-1/2	4.475	4-7/8	-378	10-1/2	10.475	10-7/8
-321	1-3/16	1.162	1/9/16	-350	4-5/8	4.600	5	-379	11	10.975	11-3/8
-322	1-1/4	1.225	1-5/8	-351	4-3/4	4.725	5-1/8	-380	11-1/2	11.475	11-7/8
-323	1-5/16	1.287	1-11/16	-352	3-7/8	3-7/8	5-1/4	-381	12	11.975	12-3/8
-324	1-3/8	1.350	1-3/4	-353	5	4.975	5-3/8	-382	13	12.975	13-3/8
-325	1-1/2	1.475	1-7/8	-354	5-1/8	5.100	5-1/2	-383	14	13.975	14-3/8
-326	1-5/8	1.600	2	-355	5-1/4	5.225	5-5/8	-384	15	14.975	15-3/8
-327	1-3/4	1.725	2-1/8	-356	5-3/8	5.350	5-3/4	-385	16	15.955	16-3/8
-328	1-7/8	1.850	2-1/4	-357	5-1/2	5.475	5-7/8	-386	17	16.955	17-3/8
-329	2	1.975	2-3/8	-358	5-5/8	5.600	6	-387	18	17.955	18-3/8
-330	2-1/8	2.100	2-1/2	-359	5-3/4	5.725	6-1/8	-388	19	18.995	19-3/8
-331	2-1/4	2.225	2-5/8	-360	5-7/8	5.850	6-1/4	-389	20	19.995	20-3/8
-332	3-3/8	2.350	2-3/4	-361	6	5.975	6-3/8	-390	21	20.955	21-3/8
-333	2-1/2	2.475	2-7/8	-362	6-1/4	6.225	6-5/8	-391	22	21.955	22-3/8
-334	2-5/8	3.600	3	-363	6-1/2	6.475	6-7/8	-392	23	22.940	23-3/8
-335	2-3/4	2.725	3-1/8	-364	6-3/4	6.725	7-1/8	-393	24	23.940	24-3/8
-336	2-7/8	2.850	3-1/4	-365	7	6.975	7-3/8	-394	25	24.940	25-3/8
-337	3	2.975	3-3/8	-366	7-1/4	7.225	7-5/8	-395	26	25.940	26-3/8

1/4" Cross-Section (w), actual .275"

No.	I.D."	Actual	O.D."	No.	I.D."	Actual	O.D."	No.	I.D."	Actual	O.D."
-400	1-3/8	1.350	1-7/8	-429	5	4.975	5-1/2	-458	14-1/2	14.475	15
-401	1-1/2	1.475	2	-430	5-1/8	5.100	5-5/8	-459	15	14.975	15-1/2
-402	1-5/8	1.600	2-1/8	-431	5-1/4	5.225	5-3/4	-460	15-1/2	15.475	16
-403	1-3/4	1.725	2-1/4	-432	5-3/8	5.350	5-7/8	-461	16	15.955	16-1/2
-404	1-7/8	1.850	2-3/8	-433	5-1/2	5.475	6	-462	16-1/2	16.455	17
-405	2	1.975	2-1/2	-434	5-5/8	5.600	6-1/8	-463	17	16.955	17-1/2
-406	2-1/8	2.100	2-5/8	-435	5-3/4	5.725	6-1/4	-464	17-1/2	17.455	18
-407	2-1/4	2.225	2-3/4	-436	5-7/8	5.850	6-3/8	-465	18	17.955	18-1/2
-408	2-3/8	2.350	2-7/8	-437	6	5.975	6-1/2	-466	18-1/2	18.455	19
-409	2-1/2	2.475	3	-438	6-1/4	6.225	6-3/4	-467	19	18.955	19-1/2
-410	2-5/8	2.600	3-1/8	-439	6-1/2	6.475	7	-468	19-1/2	19.455	20
-411	2-3/4	2.725	3-1/4	-440	6-3/4	6.725	7-1/4	-469	20	19.955	20-1/2
-412	2-7/8	2.850	3-3/8	-441	7	6.975	7-1/2	-470	21	20.955	21-1/2
-413	3	2.975	3-1/2	-442	7-1/4	7.225	7-3/4	-471	22	21.955	22-1/2
-414	3-1/8	3.100	3-5/8	-443	7-1/2	7.475	8	-472	23	22.940	23-1/2
-415	3-1/4	3.225	3-3/4	-444	7-3/4	7.725	8-1/4	-473	24	23.940	24-1/2
-416	3-3/8	3.350	3-7/8	-445	8	7.975	8-1/2	-474	25	24.940	25-1/2
-417	3-1/2	3.475	4	-446	8-1/2	8.475	9	-475	26	25.940	26-1/2
-418	3-5/8	3.600	4-1/8	-447	9	8.975	9-1/2				
-419	3-3/4	3.725	4-1/4	-448	9-1/2	9.475	10				
-420	3-7/8	3.850	4-3/8	-449	10	9.975	10-1/2				
-421	4	3.975	4-1/2	-450	10-1/2	10.475	11				
-422	4-1/8	4.100	4-5/8	-451	11	10.975	11-1/2				
-423	4-1/4	4.225	4-3/4	-452	11-1/2	11.475	12				
-424	4-3/8	4.350	4-7/8	-453	12	11.975	12-1/2				
-425	4-1/2	4.475	5	-454	12-1/2	12.475	13				
-426	4-5/8	4.600	5-1/8	-455	13	12.975	13-1/2				
-427	4-3/4	4.725	5-1/4	-456	13-1/2	13.475	14				
-428	4-7/8	4.850	5-3/8	-457	13.975	13.975	14-1/2				