

AS568 O-Ring Size Chart

The following tables list O-ring sizes in order of inside diameter. These sizes correspond to the **US Standard AS568**. Most of these sizes are readily available from Katon® tooling, specially designed for Perfluoroelastomer FFKM and other fluorinated materials developed for mass production toolings.

Standard Sizing and Tolerances

All O-ring sizes provided in this chart are made according to recognized international standards, such as ASTM, AS568, JIS, and others. These sizes are for customer reference and selection. However, for actual applications, it is important to rely on the official specifications and gland dimensions. The final selection should always align with the actual application requirements, ensuring proper fit and performance.



The list of available sizes is continuously being expanded. For sizes not listed, Katon® offers custom solutions tailored to meet your specific needs.

For sizes not indicated here, please contact the nearest Katon® representative for further assistance or to inquire about special size options.



Note: The AS O-ring Size Chart includes a column showing both the Nominal Size and the Actual Size. The nominal size was originally used to list the approximate fractional dimensions of the O-ring. Before the widespread use of dial calipers, people often referred to a 1-inch by 1-1/4-inch O-ring as a -214 O-ring. The fractional dimensions were also used as the gland size. Therefore, the nominal size is based on the gland size, not the O-ring size itself.

AS-568A Uniform	I.D. (mm)	Tol. +/- (mm)	C/S (mm)	Tol. +/- (mm)
-001	0.74	0.10	1.02	0.08
-002	1.07	0.10	1.27	0.08
-003	1.42	0.10	1.52	0.08
-004	1.78	0.13	1.78	0.08
-005	2.57	0.13	1.78	0.08
-006	2.90	0.13	1.78	0.08
-007	3.68	0.13	1.78	0.08
-008	4.47	0.13	1.78	0.08
-009	5.28	0.13	1.78	0.08
-010	6.07	0.13	1.78	0.08
-011	7.65	0.13	1.78	0.08
-012	9.25	0.13	1.78	0.08
-013	10.80	0.13	1.78	0.08
-014	12.40	0.13	1.78	0.08
-015	14.00	0.18	1.78	0.08
-016	15.60	0.23	1.78	0.08
-017	17.20	0.23	1.78	0.08
-018	18.80	0.23	1.78	0.08
-019	20.30	0.23	1.78	0.08
-020	21.90	0.23	1.78	0.08
-021	23.50	0.23	1.78	0.08
-022	25.10	0.25	1.78	0.08
-023	26.70	0.25	1.78	0.08
-024	28.30	0.25	1.78	0.08
-025	29.90	0.28	1.78	0.08
-026	31.47	0.28	1.78	0.08
-027	33.00	0.28	1.78	0.08
-028	34.60	0.33	1.78	0.08
-029	37.80	0.33	1.78	0.08
-030	41.00	0.33	1.78	0.08
-031	44.20	0.38	1.78	0.08
-032	47.30	0.38	1.78	0.08
-033	50.50	0.46	1.78	0.08
-034	53.70	0.46	1.78	0.08
-035	56.90	0.46	1.78	0.08
-036	60.00	0.46	1.78	0.08
-037	63.20	0.46	1.78	0.08
-038	66.40	0.51	1.78	0.08
-039	69.60	0.51	1.78	0.08

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AS-568A Uniform	I.D. (mm)	Tol. +/- (mm)	C/S (mm)	Tol. +/- (mm)
-040	72.70	0.51	1.78	0.08
-041	75.90	0.61	1.78	0.08
-042	82.30	0.61	1.78	0.08
-043	88.60	0.61	1.78	0.08
-044	95.00	0.69	1.78	0.08
-045	101.30	0.69	1.78	0.08
-046	107.70	0.76	1.78	0.08
-047	114.00	0.76	1.78	0.08
-048	120.40	0.76	1.78	0.08
-049	126.72	0.94	1.78	0.08
-050	133.10	0.94	1.78	0.08
-102	1.24	0.13	2.62	0.08
-103	2.06	0.13	2.62	0.08
-104	2.84	0.13	2.62	0.08
-105	3.63	0.13	2.62	0.08
-106	4.42	0.13	2.62	0.08
-107	5.23	0.13	2.62	0.08
-108	6.02	0.13	2.62	0.08
-109	7.59	0.13	2.62	0.08
-110	9.19	0.13	2.62	0.08
-111	10.80	0.13	2.62	0.08
-112	12.40	0.13	2.62	0.08
-113	13.90	0.18	2.62	0.08
-114	15.50	0.23	2.62	0.08
-115	17.10	0.23	2.62	0.08
-116	18.70	0.23	2.62	0.08
-117	20.30	0.25	2.62	0.08
-118	21.90	0.25	2.62	0.08
-119	23.50	0.25	2.62	0.08
-120	25.10	0.25	2.62	0.08
-121	26.60	0.25	2.62	0.08
-122	28.20	0.25	2.62	0.08
-123	29.80	0.30	2.62	0.08
-124	31.40	0.30	2.62	0.08
-125	33.00	0.30	2.62	0.08
-126	34.60	0.30	2.62	0.08
-127	36.20	0.30	2.62	0.08
-128	37.80	0.30	2.62	0.08
-129	39.30	0.38	2.62	0.08
-130	40.90	0.38	2.62	0.08

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AS-568A Uniform	I.D. (mm)	Tol. +/- (mm)	C/S (mm)	Tol. +/- (mm)
-131	42.50	0.38	2.62	0.08
-132	44.10	0.38	2.62	0.08
-133	45.70	0.38	2.62	0.08
-134	47.30	0.38	2.62	0.08
-135	48.90	0.43	2.62	0.08
-136	50.50	0.43	2.62	0.08
-137	52.10	0.43	2.62	0.08
-138	53.60	0.43	2.62	0.08
-139	55.20	0.43	2.62	0.08
-140	56.80	0.43	2.62	0.08
-141	58.40	0.51	2.62	0.08
-142	60.00	0.51	2.62	0.08
-143	61.60	0.51	2.62	0.08
-144	63.20	0.51	2.62	0.08
-145	64.80	0.51	2.62	0.08
-146	66.30	0.51	2.62	0.08
-147	67.90	0.56	2.62	0.08
-148	69.50	0.56	2.62	0.08
-149	71.10	0.56	2.62	0.08
-150	72.70	0.56	2.62	0.08
-151	75.90	0.61	2.62	0.08
-152	82.20	0.61	2.62	0.08
-153	88.60	0.61	2.62	0.08
-154	94.90	0.71	2.62	0.08
-155	101.30	0.71	2.62	0.08
-156	107.60	0.76	2.62	0.08
-157	114.00	0.76	2.62	0.08
-158	120.30	0.76	2.62	0.08
-159	126.70	0.89	2.62	0.08
-160	133.00	0.89	2.62	0.08
-161	139.40	0.89	2.62	0.08
-162	145.70	0.89	2.62	0.08
-163	152.10	0.89	2.62	0.08
-164	158.40	1.02	2.62	0.08
-165	164.80	1.02	2.62	0.08
-166	171.10	1.02	2.62	0.08
-167	177.50	1.02	2.62	0.08
-168	183.80	1.14	2.62	0.08
-169	190.20	1.14	2.62	0.08
-170	196.50	1.14	2.62	0.08

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AS-568A Uniform	I.D. (mm)	Tol. +/- (mm)	C/S (mm)	Tol. +/- (mm)
-171	202.90	1.14	2.62	0.08
-172	209.20	1.27	2.62	0.08
-173	215.60	1.27	2.62	0.08
-174	221.90	1.27	2.62	0.08
-175	228.30	1.27	2.62	0.08
-176	234.60	1.40	2.62	0.08
-177	241.00	1.40	2.62	0.08
-178	247.30	1.40	2.62	0.08
-201	4.34	0.13	3.53	0.10
-202	5.94	0.13	3.53	0.10
-203	7.52	0.13	3.53	0.10
-204	9.12	0.13	3.53	0.10
-205	10.69	0.13	3.53	0.10
-206	12.30	0.13	3.53	0.10
-207	13.90	0.18	3.53	0.10
-208	15.50	0.23	3.53	0.10
-209	17.00	0.23	3.53	0.10
-210	18.60	0.25	3.53	0.10
-211	20.20	0.25	3.53	0.10
-212	21.80	0.25	3.53	0.10
-213	23.40	0.25	3.53	0.10
-214	25.00	0.25	3.53	0.10
-215	26.57	0.25	3.53	0.10
-216	28.20	0.30	3.53	0.10
-217	29.75	0.30	3.53	0.10
-218	31.30	0.30	3.53	0.10
-219	32.90	0.30	3.53	0.10
-220	34.50	0.30	3.53	0.10
-221	36.10	0.30	3.53	0.10
-222	37.70	0.38	3.53	0.10
-223	40.90	0.38	3.53	0.10
-224	44.04	0.38	3.53	0.10
-225	47.20	0.46	3.53	0.10
-226	50.40	0.46	3.53	0.10
-227	53.60	0.46	3.53	0.10
-228	56.70	0.51	3.53	0.10
-229	59.90	0.51	3.53	0.10
-230	63.10	0.51	3.53	0.10
-231	66.30	0.51	3.53	0.10
-232	69.40	0.61	3.53	0.10

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AS-568A Uniform	I.D. (mm)	Tol. +/- (mm)	C/S (mm)	Tol. +/- (mm)
-233	72.60	0.61	3.53	0.10
-234	75.80	0.61	3.53	0.10
-235	79.00	0.61	3.53	0.10
-236	82.10	0.61	3.53	0.10
-237	85.30	0.61	3.53	0.10
-238	88.50	0.61	3.53	0.10
-239	91.70	0.71	3.53	0.10
-240	94.80	0.71	3.53	0.10
-241	98.00	0.71	3.53	0.10
-242	101.19	0.71	3.53	0.10
-243	104.40	0.71	3.53	0.10
-244	107.50	0.76	3.53	0.10
-245	110.70	0.76	3.53	0.10
-246	113.90	0.76	3.53	0.10
-247	117.10	0.76	3.53	0.10
-248	120.24	0.76	3.53	0.10
-249	123.40	0.89	3.53	0.10
-250	126.60	0.89	3.53	0.10
-251	129.80	0.89	3.53	0.10
-252	132.94	0.89	3.53	0.10
-253	136.10	0.89	3.53	0.10
-254	139.30	0.89	3.53	0.10
-255	142.50	0.89	3.53	0.10
-256	145.60	0.89	3.53	0.10
-257	148.80	0.89	3.53	0.10
-258	152.00	0.89	3.53	0.10
-259	158.30	1.02	3.53	0.10
-260	164.70	1.02	3.53	0.10
-261	171.00	1.02	3.53	0.10
-262	177.40	1.02	3.53	0.10
-263	183.70	1.14	3.53	0.10
-264	190.10	1.14	3.53	0.10
-265	196.40	1.14	3.53	0.10
-266	202.80	1.14	3.53	0.10
-267	209.10	1.27	3.53	0.10
-268	215.50	1.27	3.53	0.10
-269	221.80	1.27	3.53	0.10
-270	228.20	1.27	3.53	0.10
-271	234.50	1.40	3.53	0.10
-272	240.90	1.40	3.53	0.10

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AS-568A Uniform	I.D. (mm)	Tol. +/- (mm)	C/S (mm)	Tol. +/- (mm)
-273	247.20	1.40	3.53	0.10
-274	253.60	1.40	3.53	0.10
-275	266.30	1.40	3.53	0.10
-276	279.00	1.65	3.53	0.10
-277	291.70	1.65	3.53	0.10
-278	304.40	1.65	3.53	0.10
-279	329.80	1.65	3.53	0.10
-280	355.20	1.65	3.53	0.10
-281	380.60	1.65	3.53	0.10
-282	405.30	1.91	3.53	0.10
-283	430.70	2.03	3.53	0.10
-284	456.10	2.16	3.53	0.10
-309	10.50	0.13	5.33	0.13
-310	12.10	0.13	5.33	0.13
-311	13.60	0.18	5.33	0.13
-312	15.20	0.23	5.33	0.13
-313	16.81	0.23	5.33	0.13
-314	18.40	0.25	5.33	0.13
-315	20.00	0.25	5.33	0.13
-316	21.59	0.25	5.33	0.13
-317	23.16	0.25	5.33	0.13
-318	24.80	0.25	5.33	0.13
-319	26.30	0.25	5.33	0.13
-320	27.90	0.30	5.33	0.13
-321	29.50	0.30	5.33	0.13
-322	31.10	0.30	5.33	0.13
-323	32.69	0.30	5.33	0.13
-324	34.29	0.30	5.33	0.13
-325	37.50	0.38	5.33	0.13
-326	40.60	0.38	5.33	0.13
-327	43.80	0.38	5.33	0.13
-328	47.00	0.38	5.33	0.13
-329	50.16	0.46	5.33	0.13
-330	53.30	0.46	5.33	0.13
-331	56.50	0.46	5.33	0.13
-332	59.70	0.46	5.33	0.13
-333	62.90	0.51	5.33	0.13
-334	66.04	0.51	5.33	0.13
-335	69.20	0.51	5.33	0.13
-336	72.40	0.51	5.33	0.13

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AS-568A Uniform	I.D. (mm)	Tol. +/- (mm)	C/S (mm)	Tol. +/- (mm)
-337	75.60	0.61	5.33	0.13
-338	78.70	0.61	5.33	0.13
-339	81.90	0.61	5.33	0.13
-340	85.10	0.61	5.33	0.13
-341	88.30	0.61	5.33	0.13
-342	91.40	0.71	5.33	0.13
-343	94.60	0.71	5.33	0.13
-344	97.80	0.71	5.33	0.13
-345	101.00	0.71	5.33	0.13
-346	104.10	0.71	5.33	0.13
-347	107.30	0.76	5.33	0.13
-348	110.50	0.76	5.33	0.13
-349	113.70	0.76	5.33	0.13
-350	116.80	0.76	5.33	0.13
-351	120.02	0.76	5.33	0.13
-352	123.19	0.76	5.33	0.13
-353	126.37	0.94	5.33	0.13
-354	129.50	0.94	5.33	0.13
-355	132.70	0.94	5.33	0.13
-356	135.90	0.94	5.33	0.13
-357	139.10	0.94	5.33	0.13
-358	142.20	0.94	5.33	0.13
-359	145.40	0.94	5.33	0.13
-360	148.60	0.94	5.33	0.13
-361	151.80	0.94	5.33	0.13
-362	158.10	1.02	5.33	0.13
-363	164.50	1.02	5.33	0.13
-364	170.80	1.02	5.33	0.13
-365	177.20	1.02	5.33	0.13
-366	183.50	1.14	5.33	0.13
-367	189.90	1.14	5.33	0.13
-368	196.20	1.14	5.33	0.13
-369	202.60	1.14	5.33	0.13
-370	208.90	1.27	5.33	0.13
-371	215.30	1.27	5.33	0.13
-372	221.60	1.27	5.33	0.13
-373	228.00	1.27	5.33	0.13
-374	234.30	1.40	5.33	0.13
-375	240.70	1.40	5.33	0.13
-376	247.00	1.40	5.33	0.13

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AS-568A Uniform	I.D. (mm)	Tol. +/- (mm)	C/S (mm)	Tol. +/- (mm)
-377	253.40	1.40	5.33	0.13
-378	266.10	1.52	5.33	0.13
-379	278.80	1.52	5.33	0.13
-380	291.50	1.65	5.33	0.13
-381	304.20	1.65	5.33	0.13
-382	329.60	1.65	5.33	0.13
-383	355.00	1.78	5.33	0.13
-384	380.40	1.78	5.33	0.13
-385	405.30	1.91	5.33	0.13
-386	430.70	2.03	5.33	0.13
-387	456.10	2.16	5.33	0.13
-388	481.50	2.29	5.33	0.13
-389	506.90	2.41	5.33	0.13
-390	532.30	2.41	5.33	0.13
-391	557.70	2.54	5.33	0.13
-392	582.70	2.67	5.33	0.13
-393	608.10	2.79	5.33	0.13
-394	633.50	2.92	5.33	0.13
-395	658.90	3.05	5.33	0.13
-425	113.67	0.84	6.99	0.15
-426	116.84	0.84	6.99	0.15
-427	120.00	0.84	6.99	0.15
-428	123.19	0.84	6.99	0.15
-429	126.40	0.94	6.99	0.15
-430	129.50	0.94	6.99	0.15
-431	132.70	0.94	6.99	0.15
-432	135.90	0.94	6.99	0.15
-433	139.10	0.94	6.99	0.15
-434	142.20	0.94	6.99	0.15
-435	145.40	0.94	6.99	0.15
-436	148.60	0.94	6.99	0.15
-437	151.80	0.94	6.99	0.15
-438	158.12	1.02	6.99	0.15
-439	164.50	1.02	6.99	0.15
-440	170.80	1.02	6.99	0.15
-441	177.20	1.02	6.99	0.15
-442	183.50	1.14	6.99	0.15
-443	189.90	1.14	6.99	0.15
-444	196.20	1.14	6.99	0.15
-445	202.60	1.14	6.99	0.15

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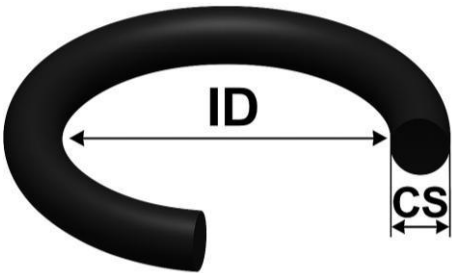
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AS-568A Uniform	I.D. (mm)	Tol. +/- (mm)	C/S (mm)	Tol. +/- (mm)
-446	215.30	1.40	6.99	0.15
-447	228.00	1.40	6.99	0.15
-448	240.70	1.40	6.99	0.15
-449	253.40	1.40	6.99	0.15
-450	266.10	1.52	6.99	0.15
-451	278.80	1.52	6.99	0.15
-452	291.50	1.52	6.99	0.15
-453	304.20	1.52	6.99	0.15
-454	316.90	1.52	6.99	0.15
-455	329.57	1.52	6.99	0.15
-456	342.30	1.78	6.99	0.15
-457	355.00	1.78	6.99	0.15
-458	367.70	1.78	6.99	0.15
-459	380.40	1.78	6.99	0.15
-460	393.10	1.78	6.99	0.15
-461	405.30	1.91	6.99	0.15
-462	418.00	1.91	6.99	0.15
-463	430.70	2.03	6.99	0.15
-464	443.40	2.16	6.99	0.15
-465	456.10	2.16	6.99	0.15
-466	468.80	2.16	6.99	0.15
-467	481.50	2.29	6.99	0.15
-468	494.20	2.29	6.99	0.15
-469	506.90	2.41	6.99	0.15
-470	532.30	2.41	6.99	0.15
-471	557.70	2.54	6.99	0.15
-472	582.70	2.67	6.99	0.15
-473	608.10	2.79	6.99	0.15
-474	633.50	2.92	6.99	0.15
-475	658.90	3.05	6.99	0.15
-901	4.70	0.13	1.42	0.08
-902	6.07	0.13	1.63	0.08
-903	7.65	0.13	1.63	0.08
-904	8.92	0.13	1.83	0.08
-905	10.52	0.13	1.83	0.08
-906	11.90	0.13	1.98	0.08
-907	13.50	0.18	2.08	0.08
-908	16.40	0.23	2.21	0.08
-909	17.90	0.23	2.46	0.08
-910	19.20	0.23	2.46	0.08

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AS-568A Uniform	I.D. (mm)	Tol. +/- (mm)	C/S (mm)	Tol. +/- (mm)
-911	21.90	0.23	2.95	0.10
-912	23.50	0.23	2.95	0.10
-913	25.00	0.25	2.95	0.10
-914	26.60	0.25	2.95	0.10
-915	28.17	0.25	2.95	0.10
-916	29.70	0.25	2.95	0.10
-918	34.40	0.30	2.95	0.10
-920	37.50	0.36	3.00	0.10
-924	43.70	0.36	3.00	0.10
-928	53.09	0.46	3.00	0.10
-932	59.36	0.46	3.00	0.10



Important Notes:

- Sizing Confirmation:** The sizes listed are for reference and selection purposes only. Please ensure that the final O-ring selection meets the specific requirements of your application by verifying the gland dimensions and other relevant factors.
- Custom Solutions:** If the required size is not listed or if you have special sealing needs, Katon[®] offers custom O-ring solutions tailored to your unique specifications. Contact us for more information or to discuss your project.
- Quality Assurance:** All Katon[®] O-rings are produced with precision to international standards (ASTM, AS568, JIS, etc.) and undergo rigorous quality control processes to ensure they meet the highest performance and durability.
- Technical Support:** For assistance with material selection, product compatibility, or custom sizing, our engineering team is here to help. Please don't hesitate to reach out to your nearest Katon[®] representative.

