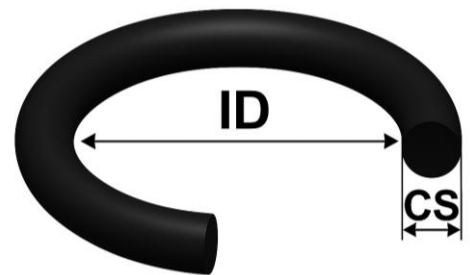


Metric O-Ring Size Chart

The following tables list O-ring sizes in order of inside diameter. 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.



Metric Size	Metric O-ring Size (Millimeters)			
	I.D.	Tol. +/-	C/S	Tol. +/-
4.8X0.6	4.80	0.13	0.60	0.10
5.5X0.6	5.50	0.13	0.60	0.10
3X1	3.00	0.13	1.00	0.08
5X1	5.00	0.13	1.00	0.08
6X1	6.00	0.13	1.00	0.08
8X1	8.00	0.13	1.00	0.08
12X1	12.00	0.13	1.00	0.08
13X1	13.00	0.13	1.00	0.08
15X1	15.00	0.23	1.00	0.08
20.5X1	20.50	0.23	1.00	0.08
22X1	22.00	0.23	1.00	0.08
289X1	289.00	1.65	1.00	0.08
6.03X1.2	6.03	0.13	1.20	0.08
11.6X1.2	11.60	0.13	1.20	0.08
29.7X1.3	29.70	0.25	1.30	0.08
4X1.5	4.00	0.13	1.50	0.08
5X1.5	5.00	0.13	1.50	0.08
6X1.5	6.00	0.13	1.50	0.08
8X1.5	8.00	0.13	1.50	0.08
9X1.5	9.00	0.13	1.50	0.08
10X1.5	10.00	0.13	1.50	0.08
13X1.5	13.00	0.18	1.50	0.08
14X1.5	14.00	0.18	1.50	0.08
21X1.5	21.00	0.23	1.50	0.08
34X1.5	34.00	0.33	1.50	0.08
35X1.5	35.00	0.33	1.50	0.08
55X1.5	55.00	0.46	1.50	0.08
58X1.5	58.00	0.46	1.50	0.08
150X1.5	150.00	0.89	1.50	0.08
215X1.5	215.00	1.27	1.50	0.08
4.1X1.6	4.10	0.13	1.60	0.08
24.69X1.78	24.69	0.25	1.78	0.08
79X1.78	79.00	0.61	1.78	0.08
13.2X1.8	13.20	0.18	1.80	0.08
16X1.8	16.00	0.23	1.80	0.08
2.57X1.84	2.57	0.13	1.84	0.08

Metric Size	Metric O-ring Size (Millimeters)			
	I.D.	Tol. +/-	C/S	Tol. +/-
2.57X1.84	2.57	0.13	1.84	0.08
9.5X1.85	9.50	0.13	1.85	0.08
17.59X1.9	17.59	0.13	1.90	0.08
18.8X1.9	18.80	0.13	1.90	0.08
2.57X1.99	2.57	0.13	1.99	0.08
4X2	4.00	0.13	2.00	0.08
5.5X2	5.50	0.13	2.00	0.08
7X2	7.00	0.13	2.00	0.08
8X2	8.00	0.13	2.00	0.08
9X2	9.00	0.13	2.00	0.08
10X2	10.00	0.13	2.00	0.08
12X2	12.00	0.13	2.00	0.08
13X2	13.00	0.18	2.00	0.08
14X2	14.00	0.18	2.00	0.08
15X2	15.00	0.23	2.00	0.08
16X2	16.00	0.23	2.00	0.08
17X2	17.00	0.23	2.00	0.08
18X2	18.00	0.23	2.00	0.08
19X2	19.00	0.23	2.00	0.08
20X2	20.00	0.23	2.00	0.08
21X2	21.00	0.25	2.00	0.08
26X2	26.00	0.25	2.00	0.08
26.5X2	26.50	0.25	2.00	0.08
27X2	27.00	0.25	2.00	0.08
27X2-2	27.00	0.25	2.00	0.08
29X2	29.00	0.25	2.00	0.08
32X2	32.00	0.28	2.00	0.08
34X2	34.00	0.30	2.00	0.08
40X2	40.00	0.38	2.00	0.08
42X2	42.00	0.38	2.00	0.08
44X2	44.00	0.38	2.00	0.08
45X2	45.00	0.38	2.00	0.08
46X2	46.00	0.38	2.00	0.08
60X2	60.00	0.46	2.00	0.08
78X2	78.00	0.61	2.00	0.08
94X2	94.00	0.69	2.00	0.08

Metric Size	Metric O-ring Size (Millimeters)			
	I.D.	Tol. +/-	C/S	Tol. +/-
108.5X2	108.50	0.76	2.00	0.08
118X2	118.00	0.76	2.00	0.08
118.5X2	118.50	0.76	2.00	0.08
155X2	155.00	1.02	2.00	0.08
160X2	160.00	1.02	2.00	0.08
318X2	318.00	2.33	2.00	0.08
11.6X2.2	11.60	0.13	2.20	0.08
29X2.2	29.00	0.25	2.20	0.08
30X2.3	30.00	0.30	2.30	0.08
12.8X2.4	12.80	0.18	2.40	0.08
164X2.42	164.00	1.02	2.42	0.08
16X2.5	16.00	0.23	2.50	0.08
25.6x2.5	25.60	0.25	2.50	0.08
19.5X2.5	19.50	0.25	2.50	0.08
42.05X2.5	42.05	0.38	2.50	0.08
44X2.5	44.00	0.38	2.50	0.08
46.5X2.5	46.50	0.38	2.50	0.08
50X2.5	50.00	0.43	2.50	0.08
105X2.5	105.00	0.76	2.50	0.08
18.2X2.62	18.20	0.23	2.62	0.08
79.2X2.62	79.20	0.61	2.62	0.08
260X2.62	260.00	1.40	2.62	0.08
150X2.65	150.00	0.89	2.65	0.08
11.8X2.8	11.80	0.13	2.80	0.08
23.7X2.8	23.70	0.25	2.80	0.08
29.5X2.8	29.50	0.30	2.80	0.08
38X2.8	38.00	0.38	2.80	0.08
19X2.85	19.00	0.25	2.85	0.08
698X2.9	698.00	4.70	2.90	0.10
56.34X2.95	56.34	0.51	2.95	0.10
9X3	9.00	0.13	3.00	0.10
10X3	10.00	0.13	3.00	0.10
10.77X3	10.77	0.13	3.00	0.10
11.5X3	11.50	0.13	3.00	0.10
14X3	14.00	0.23	3.00	0.10
15X3	15.00	0.23	3.00	0.10

Metric Size	Metric O-ring Size (Millimeters)			
	I.D.	Tol. +/-	C/S	Tol. +/-
17X3	17.00	0.23	3.00	0.10
19X3	19.00	0.25	3.00	0.10
20X3	20.00	0.25	3.00	0.10
21X3	21.00	0.25	3.00	0.10
22X3	22.00	0.25	3.00	0.10
23X3	23.00	0.25	3.00	0.10
27X3	27.00	0.30	3.00	0.10
28X3	28.00	0.30	3.00	0.10
29X3	29.00	0.30	3.00	0.10
30X3	30.00	0.30	3.00	0.10
35X3	35.00	0.30	3.00	0.10
42X3	42.00	0.38	3.00	0.10
44X3	44.00	0.38	3.00	0.10
45X3	45.00	0.46	3.00	0.10
48X3	48.00	0.46	3.00	0.10
52X3	52.00	0.46	3.00	0.10
53X3	53.00	0.46	3.00	0.10
58X3	58.00	0.51	3.00	0.10
68X3	68.00	0.61	3.00	0.10
70X3	70.00	0.63	3.00	0.10
84X3	84.00	0.73	3.00	0.10
92X3	92.00	0.71	3.00	0.10
102X3	102.00	0.71	3.00	0.10
128X3	128.00	0.89	3.00	0.10
150X3	150.00	0.89	3.00	0.10
155X3	155.00	1.02	3.00	0.10
156X3	156.00	1.02	3.00	0.10
160X3	160.00	1.02	3.00	0.10
165X3	165.00	1.02	3.00	0.10
170X3	170.00	1.02	3.00	0.10
175X3	175.00	1.02	3.00	0.10
180X3	180.00	1.14	3.00	0.10
185X3	185.00	1.14	3.00	0.10
190X3	190.00	1.14	3.00	0.10
195X3	195.00	1.14	3.00	0.10
200X3	200.00	1.14	3.00	0.10

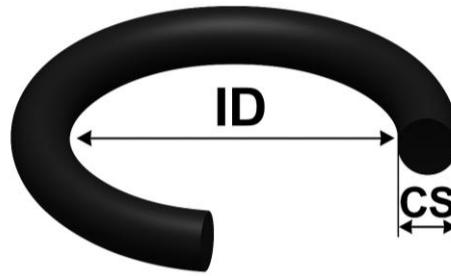
Metric Size	Metric O-ring Size (Millimeters)			
	I.D.	Tol. +/-	C/S	Tol. +/-
205X3	205.00	1.14	3.00	0.10
210X3	210.00	1.27	3.00	0.10
215X3	215.00	1.27	3.00	0.10
220X3	220.00	1.27	3.00	0.10
225X3	225.00	1.27	3.00	0.10
230X3	230.00	1.40	3.00	0.10
235X3	235.00	1.40	3.00	0.10
240X3	240.00	1.40	3.00	0.10
245X3	245.00	1.40	3.00	0.10
250X3	250.00	1.40	3.00	0.10
255X3	255.00	1.40	3.00	0.10
260X3	260.00	1.40	3.00	0.10
265X3	265.00	1.40	3.00	0.10
270X3	270.00	1.65	3.00	0.10
275X3	275.00	1.65	3.00	0.10
280X3	280.00	1.65	3.00	0.10
285X3	285.00	1.65	3.00	0.10
290X3	290.00	1.65	3.00	0.10
295X3	295.00	1.65	3.00	0.10
300X3	300.00	1.65	3.00	0.10
330X3	330.00	1.65	3.00	0.10
350X3	350.00	1.65	3.00	0.10
370X3	370.00	1.65	3.00	0.10
13X3.1	13.00	0.18	3.10	0.10
204.3X3.1	204.30	1.27	3.10	0.10
24X3.5	24.00	0.25	3.50	0.10
30X3.5	30.00	0.30	3.50	0.10
150X3.5	150.00	0.89	3.50	0.10
150X3.5-2	150.00	0.89	3.50	0.10
15.16X3.53	15.16	0.23	3.53	0.10
22.23X3.53	22.23	0.25	3.53	0.10
68X3.53	68.00	0.61	3.53	0.10
82.5X3.53	82.50	0.61	3.53	0.10
92.5X3.53	92.50	0.71	3.53	0.10
94X3.53	94.00	0.71	3.53	0.10
206.5X3.53	206.50	1.27	3.53	0.10

Metric Size	Metric O-ring Size (Millimeters)			
	I.D.	Tol. +/-	C/S	Tol. +/-
261X3.53	261.00	1.40	3.53	0.10
319.5X3.53	319.50	1.65	3.53	0.10
484X3.53	484.00	2.29	3.53	0.10
1511X3.53	1511.00	6.95	3.53	0.10
1560X3.53	1560.00	15.60	3.53	0.10
48.82X3.62	48.82	0.46	3.62	0.10
216X3.63	216.00	1.27	3.63	0.10
8X4	8.00	0.13	4.00	0.10
24X4	24.00	0.25	4.00	0.10
25X4	25.00	0.25	4.00	0.10
34X4	34.00	0.33	4.00	0.10
46.1X4	46.10	0.43	4.00	0.10
49.4X4	49.40	0.45	4.00	0.10
50X4	50.00	0.46	4.00	0.10
62.7X4	62.70	0.51	4.00	0.10
65X4	65.00	0.51	4.00	0.10
67X4	67.00	0.51	4.00	0.10
73X4	73.00	0.61	4.00	0.10
80X4	80.00	0.61	4.00	0.10
82X4	82.00	0.61	4.00	0.10
100X4	100.00	0.71	4.00	0.10
102X4	102.00	0.71	4.00	0.10
110X4	110.00	0.76	4.00	0.10
125X4	125.00	0.94	4.00	0.10
127X4	127.00	0.89	4.00	0.10
140X4	140.00	0.94	4.00	0.10
205X4	205.00	1.27	4.00	0.10
250X4	250.00	1.40	4.00	0.10
1741X4	1741.00	17.41	4.00	0.10
170X4.5	170.00	1.02	4.50	0.10
18X5	18.00	0.25	5.00	0.13
19X5	19.00	0.25	5.00	0.13
21.5X5	21.50	0.25	5.00	0.13
25X5	25.00	0.25	5.00	0.13
28X5	28.00	0.30	5.00	0.13
28.4X5	28.40	0.30	5.00	0.13

Metric Size	Metric O-ring Size (Millimeters)			
	I.D.	Tol. +/-	C/S	Tol. +/-
35X5	35.00	0.38	5.00	0.13
39.3X5	39.30	0.38	5.00	0.13
41.6X5	41.60	0.38	5.00	0.13
42X5	42.00	0.38	5.00	0.13
45X5	45.00	0.38	5.00	0.13
50X5	50.00	0.46	5.00	0.13
55X5	55.00	0.46	5.00	0.13
60X5	60.00	0.51	5.00	0.13
65X5	65.00	0.51	5.00	0.13
68X5	68.00	0.51	5.00	0.13
80X5	80.00	0.61	5.00	0.13
92X5	92.00	0.71	5.00	0.13
96X5	96.00	0.71	5.00	0.13
100X5	100.00	0.71	5.00	0.13
105X5	105.00	0.71	5.00	0.13
120X5	120.00	0.76	5.00	0.13
125X5	125.00	0.94	5.00	0.13
135X5	135.00	0.94	5.00	0.13
145X5	145.00	0.94	5.00	0.13
146X5	146.00	0.94	5.00	0.13
150X5	150.00	0.94	5.00	0.13
175X5	175.00	1.02	5.00	0.13
180X5	180.00	1.14	5.00	0.13
195X5	195.00	1.14	5.00	0.13
227X5	227.00	1.27	5.00	0.13
270X5	270.00	1.52	5.00	0.13
280X5	280.00	1.65	5.00	0.13
295X5	295.00	1.65	5.00	0.13
310X5	310.00	1.65	5.00	0.13
320X5	320.00	1.65	5.00	0.13
360X5	360.00	1.78	5.00	0.13
450X5	450.00	2.16	5.00	0.13
354.95X366.66X5.32	354.95	1.78	5.32	0.13
266.1X277.79X5.32	266.10	1.52	5.32	0.13
215.31X227.02X5.33	215.31	1.27	5.33	0.13
265X5.33	265.00	1.52	5.33	0.13

Metric Size	Metric O-ring Size (Millimeters)			
	I.D.	Tol. +/-	C/S	Tol. +/-
665X5.33	665.00	6.05	5.33	0.13
740X5.33	740.00	2.00	5.33	0.13
967X5.33	967.00	5.00	5.33	0.13
1925X5.33	1925.00	19.25	5.33	0.13
3046X5.33	3046.00	30.46	5.33	0.13
88X5.5	88.00	0.61	5.50	0.15
1670X5.5	1670.00	16.70	5.50	0.15
2980X5.5	2980.00	29.80	5.50	0.15
217X5.6	217.00	1.14	5.60	0.15
514.3X5.7	514.30	2.41	5.70	0.13
541.1X5.7	541.10	1.60	5.70	0.13
802X5.7	802.00	1.60	5.70	0.13
44X6	44.00	0.71	6.00	0.15
50X6	50.00	0.71	6.00	0.15
88X6	88.00	0.71	6.00	0.15
146X6	146.00	0.94	6.00	0.15
148X6	148.00	0.94	6.00	0.15
287.2X6	287.20	1.52	6.00	0.15
500X6	500.00	2.41	6.00	0.15
537X6	537.00	2.54	6.00	0.15
138.75X6.65	138.75	0.94	6.65	0.15
500X6.9	500.00	2.41	6.90	0.15
208.92X6.99	208.92	1.61	6.99	0.15
315.9X6.99	315.90	1.52	6.99	0.15
1100X6.99	1100.00	11.00	6.99	0.15
45X7	45.00	0.71	7.00	0.15
90X7	90.00	0.71	7.00	0.15
790X7	790.00	7.90	7.00	0.15
525X8	525.00	1.60	8.00	0.15
582X8	582.00	1.60	8.00	0.15
818X8	818.00	8.18	8.00	0.15
306X10	306.00	1.52	10.00	0.30
400X10	400.00	1.91	10.00	0.30
440X10	440.00	2.16	10.00	0.30
2818X12	2818.00	-	12.00	0.30
970.28X19.05	970.28	2.50	19.05	0.30

Metric Size	Metric O-ring Size (Millimeters)			
	I.D.	Tol. +/-	C/S	Tol. +/-
95X20	95.00		20.00	0.30



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.