

Metric O-rings are specified directly in millimetres as ID x CS and are governed by **ISO 3601**, the current international standard. Sizes are grouped into five preferred cross-section classes (A–E); each size code encodes its inside diameter directly — outside diameter is derived as **OD = ID + (2 × CS)**. This chart shows the complete standard ISO 3601-1 range: 374 sizes across the five classes. Metric sizing gives finer resolution between sizes than the inch series, which is why it is common in European machinery, precision equipment and custom applications.

Class A Code A0018 – A1250						CS 1.80 mm		
Code	ID in	ID mm	Code	ID in	ID mm	Code	ID in	ID mm
A0018	0.071	1.80	A0100	0.394	10.00	A0365	1.437	36.50
A0020	0.079	2.00	A0106	0.417	10.60	A0375	1.476	37.50
A0022	0.088	2.24	A0112	0.441	11.20	A0387	1.524	38.70
A0025	0.098	2.50	A0118	0.465	11.80	A0400	1.575	40.00
A0028	0.110	2.80	A0125	0.492	12.50	A0412	1.622	41.20
A0032	0.124	3.15	A0132	0.520	13.20	A0425	1.673	42.50
A0036	0.140	3.55	A0140	0.551	14.00	A0437	1.720	43.70
A0038	0.148	3.75	A0150	0.591	15.00	A0450	1.772	45.00
A0040	0.157	4.00	A0160	0.630	16.00	A0475	1.870	47.50
A0045	0.177	4.50	A0170	0.669	17.00	A0500	1.969	50.00
A0049	0.192	4.87	A0180	0.709	18.00	A0530	2.087	53.00
A0050	0.197	5.00	A0190	0.748	19.00	A0560	2.205	56.00
A0052	0.203	5.15	A0200	0.787	20.00	A0600	2.362	60.00
A0053	0.209	5.30	A0212	0.835	21.20	A0630	2.480	63.00
A0056	0.220	5.60	A0224	0.882	22.40	A0670	2.638	67.00
A0060	0.236	6.00	A0236	0.929	23.60	A0710	2.795	71.00
A0063	0.248	6.30	A0250	0.984	25.00	A0750	2.953	75.00
A0067	0.264	6.70	A0258	1.016	25.80	A0800	3.150	80.00
A0069	0.272	6.90	A0265	1.043	26.50	A0850	3.346	85.00
A0071	0.280	7.10	A0280	1.102	28.00	A0900	3.543	90.00
A0075	0.295	7.50	A0300	1.181	30.00	A0950	3.740	95.00
A0080	0.315	8.00	A0315	1.240	31.50	A1000	3.937	100.00
A0085	0.335	8.50	A0325	1.280	32.50	A1060	4.173	106.00
A0088	0.344	8.75	A0335	1.319	33.50	A1120	4.409	112.00
A0090	0.354	9.00	A0345	1.358	34.50	A1180	4.646	118.00
A0095	0.374	9.50	A0355	1.398	35.50	A1250	4.921	125.00

Nominal reference dimensions only — actual manufactured parts are subject to standard tolerances. Available in NBR, EPDM, Silicone, FKM, FFKM and PTFE in standard and metal detectable compounds.

Class B Code B0045 – B2500						CS 2.65 mm		
Code	ID in	ID mm	Code	ID in	ID mm	Code	ID in	ID mm
B0045	0.177	4.50	B0315	1.240	31.50	B0710	2.795	71.00
B0053	0.209	5.30	B0325	1.280	32.50	B0730	2.874	73.00
B0060	0.236	6.00	B0335	1.319	33.50	B0750	2.953	75.00
B0069	0.272	6.90	B0345	1.358	34.50	B0800	3.150	80.00
B0080	0.315	8.00	B0355	1.398	35.50	B0850	3.346	85.00
B0090	0.354	9.00	B0365	1.437	36.50	B0900	3.543	90.00
B0095	0.374	9.50	B0375	1.476	37.50	B0950	3.740	95.00
B0100	0.394	10.00	B0387	1.524	38.70	B1000	3.937	100.00
B0106	0.417	10.60	B0400	1.575	40.00	B1060	4.173	106.00
B0112	0.441	11.20	B0412	1.622	41.20	B1120	4.409	112.00
B0118	0.465	11.80	B0425	1.673	42.50	B1180	4.646	118.00
B0125	0.492	12.50	B0437	1.720	43.70	B1250	4.921	125.00
B0132	0.520	13.20	B0450	1.772	45.00	B1320	5.197	132.00
B0140	0.551	14.00	B0462	1.819	46.20	B1400	5.512	140.00
B0150	0.591	15.00	B0475	1.870	47.50	B1500	5.906	150.00
B0160	0.630	16.00	B0487	1.917	48.70	B1600	6.299	160.00
B0170	0.669	17.00	B0500	1.969	50.00	B1700	6.693	170.00
B0180	0.709	18.00	B0515	2.028	51.50	B1800	7.087	180.00
B0190	0.748	19.00	B0530	2.087	53.00	B1900	7.480	190.00
B0200	0.787	20.00	B0545	2.146	54.50	B2000	7.874	200.00
B0212	0.835	21.20	B0560	2.205	56.00	B2120	8.346	212.00
B0224	0.882	22.40	B0580	2.283	58.00	B2240	8.819	224.00
B0236	0.929	23.60	B0600	2.362	60.00	B2300	9.055	230.00
B0250	0.984	25.00	B0615	2.421	61.50	B2360	9.291	236.00
B0258	1.016	25.80	B0630	2.480	63.00	B2430	9.567	243.00
B0265	1.043	26.50	B0650	2.559	65.00	B2500	9.843	250.00
B0280	1.102	28.00	B0670	2.638	67.00			
B0300	1.181	30.00	B0690	2.717	69.00			

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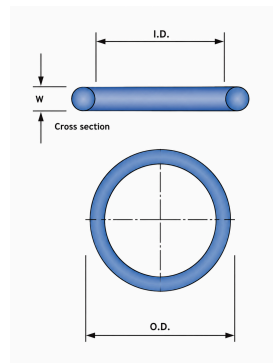
Class C Code C0140 – C3000						CS 3.55 mm					
Code	ID in	ID mm	Code	ID in	ID mm	Code	ID in	ID mm	Code	ID in	ID mm
C0140	0.551	14.00	C0400	1.575	40.00	C0775	3.051	77.50	C1500	5.906	150.00
C0150	0.591	15.00	C0412	1.622	41.20	C0800	3.150	80.00	C1550	6.102	155.00
C0160	0.630	16.00	C0425	1.673	42.50	C0825	3.248	82.50	C1600	6.299	160.00
C0170	0.669	17.00	C0437	1.720	43.70	C0850	3.346	85.00	C1650	6.496	165.00
C0180	0.709	18.00	C0450	1.772	45.00	C0875	3.445	87.50	C1700	6.693	170.00
C0190	0.748	19.00	C0462	1.819	46.20	C0900	3.543	90.00	C1750	6.890	175.00
C0200	0.787	20.00	C0475	1.870	47.50	C0925	3.642	92.50	C1800	7.087	180.00
C0212	0.835	21.20	C0487	1.917	48.70	C0950	3.740	95.00	C1850	7.283	185.00
C0224	0.882	22.40	C0500	1.969	50.00	C0975	3.839	97.50	C1900	7.480	190.00
C0236	0.929	23.60	C0515	2.028	51.50	C1000	3.937	100.00	C1950	7.677	195.00
C0250	0.984	25.00	C0530	2.087	53.00	C1030	4.055	103.00	C2000	7.874	200.00
C0258	1.016	25.80	C0545	2.146	54.50	C1060	4.173	106.00	C2120	8.346	212.00
C0265	1.043	26.50	C0560	2.205	56.00	C1090	4.291	109.00	C2180	8.583	218.00
C0280	1.102	28.00	C0580	2.283	58.00	C1120	4.409	112.00	C2240	8.819	224.00
C0300	1.181	30.00	C0600	2.362	60.00	C1150	4.528	115.00	C2300	9.055	230.00
C0315	1.240	31.50	C0615	2.421	61.50	C1180	4.646	118.00	C2360	9.291	236.00
C0325	1.280	32.50	C0630	2.480	63.00	C1220	4.803	122.00	C2500	9.843	250.00
C0335	1.319	33.50	C0650	2.559	65.00	C1250	4.921	125.00	C2580	10.157	258.00
C0345	1.358	34.50	C0670	2.638	67.00	C1280	5.039	128.00	C2650	10.433	265.00
C0355	1.398	35.50	C0690	2.717	69.00	C1320	5.197	132.00	C2800	11.024	280.00
C0365	1.437	36.50	C0710	2.795	71.00	C1360	5.354	136.00	C2900	11.417	290.00
C0375	1.476	37.50	C0730	2.874	73.00	C1400	5.512	140.00	C3000	11.811	300.00
C0387	1.524	38.70	C0750	2.953	75.00	C1450	5.709	145.00			

Nominal reference dimensions only — actual manufactured parts are subject to standard tolerances. Available in NBR, EPDM, Silicone, FKM, FFKM and PTFE in standard and metal detectable compounds.

Class D Code D0375 – D2000			CS 5.30 mm		
Code	ID in	ID mm	Code	ID in	ID mm
D0375	1.476	37.50	D0900	3.543	90.00
D0387	1.524	38.70	D0925	3.642	92.50
D0400	1.575	40.00	D0950	3.740	95.00
D0412	1.622	41.20	D0975	3.839	97.50
D0425	1.673	42.50	D1000	3.937	100.00
D0437	1.720	43.70	D1030	4.055	103.00
D0450	1.772	45.00	D1060	4.173	106.00
D0462	1.819	46.20	D1090	4.291	109.00
D0475	1.870	47.50	D1120	4.409	112.00
D0487	1.917	48.70	D1150	4.528	115.00
D0500	1.969	50.00	D1180	4.646	118.00
D0515	2.028	51.50	D1220	4.803	122.00
D0530	2.087	53.00	D1250	4.921	125.00
D0545	2.146	54.50	D1280	5.039	128.00
D0560	2.205	56.00	D1320	5.197	132.00
D0580	2.283	58.00	D1360	5.354	136.00
D0600	2.362	60.00	D1400	5.512	140.00
D0615	2.421	61.50	D1450	5.709	145.00
D0630	2.480	63.00	D1500	5.906	150.00
D0650	2.559	65.00	D1550	6.102	155.00
D0670	2.638	67.00	D1600	6.299	160.00
D0690	2.717	69.00	D1650	6.496	165.00
D0710	2.795	71.00	D1700	6.693	170.00
D0730	2.874	73.00	D1750	6.890	175.00
D0750	2.953	75.00	D1800	7.087	180.00
D0775	3.051	77.50	D1850	7.283	185.00
D0800	3.150	80.00	D1900	7.480	190.00
D0825	3.248	82.50	D1950	7.677	195.00
D0850	3.346	85.00	D2000	7.874	200.00
D0875	3.445	87.50			

Nominal reference dimensions only — actual manufactured parts are subject to standard tolerances. Available in NBR, EPDM, Silicone, FKM, FFKM and PTFE in standard and metal detectable compounds.

Class E Code E1090 – E6700						CS 7.00 mm		
Code	ID in	ID mm	Code	ID in	ID mm	Code	ID in	ID mm
E1090	4.291	109.00	E2060	8.110	206.00	E3870	15.236	387.00
E1120	4.409	112.00	E2120	8.346	212.00	E4000	15.748	400.00
E1150	4.528	115.00	E2180	8.583	218.00	E4120	16.220	412.00
E1180	4.646	118.00	E2240	8.819	224.00	E4250	16.732	425.00
E1220	4.803	122.00	E2300	9.055	230.00	E4370	17.205	437.00
E1250	4.921	125.00	E2360	9.291	236.00	E4500	17.717	450.00
E1280	5.039	128.00	E2430	9.567	243.00	E4620	18.189	462.00
E1320	5.197	132.00	E2500	9.843	250.00	E4750	18.701	475.00
E1360	5.354	136.00	E2580	10.157	258.00	E4870	19.173	487.00
E1400	5.512	140.00	E2650	10.433	265.00	E5000	19.685	500.00
E1450	5.709	145.00	E2720	10.709	272.00	E5150	20.276	515.00
E1500	5.906	150.00	E2800	11.024	280.00	E5300	20.866	530.00
E1550	6.102	155.00	E2900	11.417	290.00	E5450	21.457	545.00
E1600	6.299	160.00	E3000	11.811	300.00	E5600	22.047	560.00
E1650	6.496	165.00	E3070	12.087	307.00	E5800	22.835	580.00
E1700	6.693	170.00	E3150	12.402	315.00	E6000	23.622	600.00
E1750	6.890	175.00	E3250	12.795	325.00	E6150	24.213	615.00
E1800	7.087	180.00	E3350	13.189	335.00	E6300	24.803	630.00
E1850	7.283	185.00	E3450	13.583	345.00	E6500	25.591	650.00
E1900	7.480	190.00	E3550	13.976	355.00	E6700	26.378	670.00
E1950	7.677	195.00	E3650	14.370	365.00			
E2000	7.874	200.00	E3750	14.764	375.00			



O-rings are specified by ID and cross section (W) — OD is derived, not measured directly.