

BS1806 is the British Standard for inch series O-rings. It shares the same five nominal cross sections as AS568 — every AS568 dash number of the same value is dimensionally identical — and additionally lists supplementary intermediate sizes between the standard AS568 numbers for finer selection. This chart shows the complete BS1806 range: 467 sizes across five series. Outside diameter is derived as **OD = ID + (2 × CS)**. BS1806 has since been superseded by BS ISO 3601 but remains widely referenced on legacy UK and European drawings.

Series 1 Ref -001 – -562				CS 1.78mm (+ fine 1.02–1.63mm)							
Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm
-001	1.02	0.029	0.74	-019	1.78	0.801	20.35	-536	1.78	3.610	91.69
-002	1.27	0.042	1.07	-020	1.78	0.864	21.95	-044	1.78	3.739	94.97
-003	1.52	0.056	1.42	-021	1.78	0.926	23.52	-538	1.78	3.860	98.04
-606	1.02	0.070	1.78	-022	1.78	0.989	25.12	-045	1.78	3.989	101.32
-004	1.78	0.070	1.78	-023	1.78	1.051	26.70	-540	1.78	4.110	104.39
-607	1.02	0.100	2.54	-024	1.78	1.114	28.30	-046	1.78	4.239	107.67
-005	1.78	0.101	2.57	-025	1.78	1.176	29.87	-542	1.78	4.360	110.74
-006	1.78	0.114	2.90	-026	1.78	1.239	31.47	-047	1.78	4.489	114.02
-801	1.78	0.125	3.18	-027	1.78	1.301	33.05	-544	1.78	4.610	117.09
-007	1.78	0.145	3.68	-028	1.78	1.364	34.65	-048	1.78	4.739	120.37
-008	1.78	0.176	4.47	-517	1.78	1.428	36.27	-546	1.78	4.860	123.44
-802	1.78	0.187	4.75	-029	1.78	1.489	37.82	-049	1.78	4.989	126.72
-009	1.78	0.208	5.28	-519	1.78	1.553	39.45	-548	1.78	5.095	129.41
-902	1.63	0.239	6.07	-030	1.78	1.614	41.00	-050	1.78	5.239	133.07
-010	1.78	0.239	6.07	-031	1.78	1.739	44.17	-550	1.78	5.345	135.76
-803	1.78	0.250	6.35	-032	1.78	1.864	47.35	-551	1.78	5.470	138.94
-610	1.78	0.266	6.76	-033	1.78	1.989	50.52	-552	1.78	5.595	142.11
-903	1.63	0.301	7.65	-034	1.78	2.114	53.70	-553	1.78	5.720	145.29
-011	1.78	0.301	7.65	-035	1.78	2.239	56.87	-554	1.78	5.845	148.46
-804	1.78	0.313	7.94	-036	1.78	2.364	60.05	-555	1.78	5.970	151.64
-611	1.78	0.344	8.74	-037	1.78	2.489	63.22	-556	1.78	6.095	154.81
-012	1.78	0.364	9.25	-038	1.78	2.614	66.40	-557	1.78	6.220	157.99
-013	1.78	0.426	10.82	-039	1.78	2.739	69.57	-558	1.78	6.345	161.16
-806	1.78	0.437	11.10	-040	1.78	2.864	72.75	-559	1.78	6.470	164.34
-014	1.78	0.489	12.42	-041	1.78	2.989	75.92	-560	1.78	6.695	170.05
-015	1.78	0.551	14.00	-532	1.78	3.110	78.99	-561	1.78	6.720	170.69
-016	1.78	0.614	15.60	-042	1.78	3.239	82.27	-562	1.78	6.845	173.86
-017	1.78	0.676	17.17	-534	1.78	3.360	85.34				
-018	1.78	0.739	18.77	-043	1.78	3.489	88.62				

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.

Series 2 Ref -102 – -178												CS 2.62mm			
Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm
-102	2.62	0.049	1.24	-117	2.62	0.799	20.29	-137	2.62	2.050	52.07	-156	2.62	4.237	107.62
-103	2.62	0.081	2.06	-812	2.62	0.812	20.62	-138	2.62	2.112	53.64	-157	2.62	4.487	113.97
-104	2.62	0.112	2.84	-118	2.62	0.862	21.89	-139	2.62	2.175	55.25	-158	2.62	4.737	120.32
-105	2.62	0.143	3.63	-813	2.62	0.875	22.23	-140	2.62	2.237	56.82	-159	2.62	4.987	126.67
-106	2.62	0.175	4.45	-119	2.62	0.924	23.47	-141	2.62	2.300	58.42	-160	2.62	5.237	133.02
-107	2.62	0.206	5.23	-814	2.62	0.937	23.80	-142	2.62	2.362	59.99	-161	2.62	5.487	139.37
-108	2.62	0.237	6.02	-120	2.62	0.987	25.07	-143	2.62	2.425	61.60	-162	2.62	5.737	145.72
-109	2.62	0.299	7.59	-121	2.62	1.049	26.64	-144	2.62	2.487	63.17	-163	2.62	5.987	152.07
-110	2.62	0.362	9.19	-122	2.62	1.112	28.24	-145	2.62	2.550	64.77	-164	2.62	6.237	158.42
-613	2.62	0.391	9.93	-123	2.62	1.174	29.82	-146	2.62	2.612	66.34	-165	2.62	6.487	164.77
-111	2.62	0.424	10.77	-124	2.62	1.237	31.42	-147	2.62	2.675	67.95	-166	2.62	6.737	171.12
-614	2.62	0.469	11.91	-125	2.62	1.299	32.99	-148	2.62	2.737	69.52	-167	2.62	6.987	177.47
-112	2.62	0.487	12.37	-126	2.62	1.362	34.59	-149	2.62	2.800	71.12	-168	2.62	7.237	183.82
-807	2.62	0.500	12.70	-127	2.62	1.424	36.17	-150	2.62	2.862	72.69	-169	2.62	7.487	190.17
-615	2.62	0.516	13.11	-128	2.62	1.487	37.77	-640	2.62	2.924	74.27	-170	2.62	7.737	196.52
-113	2.62	0.549	13.94	-129	2.62	1.549	39.34	-151	2.62	2.987	75.87	-171	2.62	7.987	202.87
-616	2.62	0.594	15.09	-130	2.62	1.612	40.94	-641	2.62	3.049	77.44	-172	2.62	8.237	209.22
-114	2.62	0.612	15.54	-131	2.62	1.674	42.52	-642	2.62	3.174	80.62	-173	2.62	8.487	215.57
-809	2.62	0.625	15.88	-132	2.62	1.737	44.12	-152	2.62	3.237	82.22	-174	2.62	8.737	221.92
-115	2.62	0.674	17.12	-133	2.62	1.799	45.69	-643	2.62	3.299	83.79	-175	2.62	8.987	228.27
-810	2.62	0.687	17.45	-134	2.62	1.862	47.29	-153	2.62	3.487	88.57	-176	2.62	9.237	234.62
-617	2.62	0.703	17.86	-135	2.62	1.925	48.90	-154	2.62	3.737	94.92	-177	2.62	9.487	240.97
-116	2.62	0.737	18.72	-136	2.62	1.987	50.47	-155	2.62	3.987	101.27	-178	2.62	9.737	247.32

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.

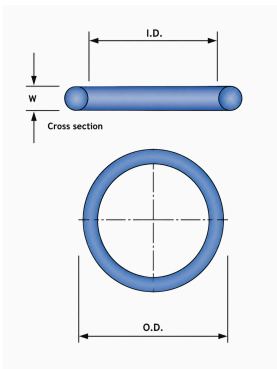
Series 3 Ref -201 – -284								CS 3.53mm							
Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm
-201	3.53	0.171	4.34	-224	3.53	1.734	44.04	-233	3.53	2.859	72.62	-258	3.53	5.984	151.99
-202	3.53	0.234	5.94	-827	3.53	1.750	44.45	-845	3.53	2.875	73.03	-259	3.53	6.234	158.34
-203	3.53	0.296	7.52	-828	3.53	1.813	46.04	-846	3.53	2.937	74.60	-260	3.53	6.484	164.69
-204	3.53	0.359	9.12	-225	3.53	1.859	47.22	-234	3.53	2.984	75.79	-261	3.53	6.734	171.04
-205	3.53	0.421	10.69	-829	3.53	1.875	47.63	-235	3.53	3.109	78.97	-262	3.53	6.984	177.39
-206	3.53	0.484	12.29	-830	3.53	1.937	49.20	-236	3.53	3.234	82.14	-263	3.53	7.234	183.74
-207	3.53	0.549	13.94	-226	3.53	1.984	50.39	-237	3.53	3.359	85.32	-264	3.53	7.484	190.09
-208	3.53	0.609	15.47	-831	3.53	2.000	50.80	-238	3.53	3.484	88.49	-265	3.53	7.734	196.44
-209	3.53	0.672	17.07	-832	3.53	2.063	52.39	-239	3.53	3.609	91.67	-266	3.53	7.984	202.79
-210	3.53	0.734	18.64	-227	3.53	2.109	53.57	-240	3.53	3.734	94.84	-267	3.53	8.234	209.14
-211	3.53	0.796	20.22	-833	3.53	2.125	53.98	-241	3.53	3.859	98.02	-268	3.53	8.484	215.49
-212	3.53	0.859	21.82	-834	3.53	2.187	55.55	-242	3.53	3.984	101.19	-269	3.53	8.734	221.84
-213	3.53	0.921	23.39	-228	3.53	2.234	56.74	-243	3.53	4.109	104.37	-270	3.53	8.984	228.19
-214	3.53	0.984	24.99	-835	3.53	2.250	57.15	-244	3.53	4.234	107.54	-271	3.53	9.234	234.54
-618	3.53	1.016	25.81	-836	3.53	2.313	58.74	-245	3.53	4.359	110.72	-272	3.53	9.484	240.89
-215	3.53	1.046	26.57	-229	3.53	2.359	59.92	-246	3.53	4.484	113.89	-273	3.53	9.734	247.24
-216	3.53	1.109	28.17	-837	3.53	2.375	60.33	-247	3.53	4.609	117.07	-274	3.53	9.984	253.59
-217	3.53	1.171	29.74	-838	3.53	2.437	61.90	-248	3.53	4.734	120.24	-275	3.53	10.484	266.29
-218	3.53	1.234	31.34	-230	3.53	2.484	63.09	-249	3.53	4.859	123.42	-276	3.53	10.984	278.99
-219	3.53	1.296	32.92	-839	3.53	2.500	63.50	-250	3.53	4.984	126.59	-277	3.53	11.484	291.69
-220	3.53	1.359	34.52	-840	3.53	2.563	65.10	-251	3.53	5.109	129.77	-278	3.53	11.984	304.39
-221	3.53	1.421	36.09	-231	3.53	2.609	66.27	-252	3.53	5.234	132.94	-279	3.53	12.984	329.79
-222	3.53	1.484	37.69	-841	3.53	2.625	66.68	-253	3.53	5.359	136.12	-280	3.53	13.984	355.19
-824	3.53	1.563	39.70	-842	3.53	2.687	68.25	-254	3.53	5.484	139.29	-281	3.53	14.984	380.59
-223	3.53	1.609	40.87	-232	3.53	2.734	69.44	-255	3.53	5.609	142.47	-282	3.53	15.955	405.26
-825	3.53	1.625	41.28	-843	3.53	2.750	69.85	-256	3.53	5.734	145.64	-283	3.53	16.955	430.66
-826	3.53	1.687	42.85	-844	3.53	2.813	71.44	-257	3.53	5.859	148.82	-284	3.53	17.955	456.06

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.

Series 4 Ref -309 – -395								CS 5.33mm							
Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm
-309	5.33	0.412	10.46	-336	5.33	2.850	72.39	-354	5.33	5.100	129.54	-370	5.33	8.225	208.92
-310	5.33	0.475	12.07	-619	5.33	2.937	74.61	-864	5.33	5.125	130.18	-371	5.33	8.475	215.27
-311	5.33	0.537	13.64	-337	5.33	2.975	75.57	-355	5.33	5.225	132.72	-372	5.33	8.725	221.62
-312	5.33	0.600	15.24	-338	5.33	3.100	78.74	-865	5.33	5.250	133.35	-373	5.33	8.975	227.97
-313	5.33	0.662	16.81	-620	5.33	3.141	79.78	-356	5.33	5.350	135.89	-374	5.33	9.225	234.32
-314	5.33	0.725	18.42	-339	5.33	3.225	81.92	-866	5.33	5.375	136.53	-375	5.33	9.475	240.67
-315	5.33	0.787	19.99	-340	5.33	3.350	85.09	-357	5.33	5.475	139.07	-376	5.33	9.725	247.02
-316	5.33	0.850	21.59	-341	5.33	3.475	88.27	-867	5.33	5.500	139.70	-377	5.33	9.975	253.37
-317	5.33	0.912	23.16	-621	5.33	3.531	89.69	-358	5.33	5.600	142.24	-378	5.33	10.475	266.07
-318	5.33	0.975	24.77	-342	5.33	3.600	91.44	-868	5.33	5.625	142.88	-379	5.33	10.975	278.77
-319	5.33	1.037	26.34	-343	5.33	3.725	94.62	-359	5.33	5.725	145.42	-380	5.33	11.475	291.47
-320	5.33	1.100	27.94	-344	5.33	3.850	97.79	-869	5.33	5.750	146.05	-381	5.33	11.975	304.17
-321	5.33	1.162	29.51	-622	5.33	3.937	100.00	-360	5.33	5.850	148.59	-382	5.33	12.975	329.57
-322	5.33	1.225	31.12	-345	5.33	3.975	100.97	-870	5.33	5.875	149.23	-383	5.33	13.975	354.97
-323	5.33	1.287	32.69	-346	5.33	4.100	104.14	-361	5.33	5.975	151.77	-384	5.33	14.975	380.37
-324	5.33	1.350	34.29	-347	5.33	4.225	107.32	-644	5.33	6.100	154.94	-385	5.33	15.955	405.26
-325	5.33	1.475	37.47	-623	5.33	4.313	109.54	-362	5.33	6.225	158.12	-386	5.33	16.955	430.66
-326	5.33	1.600	40.64	-348	5.33	4.350	110.49	-645	5.33	6.350	161.29	-387	5.33	17.955	456.06
-327	5.33	1.725	43.82	-349	5.33	4.475	113.67	-363	5.33	6.475	164.47	-388	5.33	18.955	481.46
-328	5.33	1.850	46.99	-350	5.33	4.600	116.84	-646	5.33	6.600	167.64	-389	5.33	19.955	506.86
-329	5.33	1.975	50.17	-860	5.33	4.625	117.48	-364	5.33	6.725	170.82	-390	5.33	20.955	532.26
-330	5.33	2.100	53.34	-351	5.33	4.725	120.02	-647	5.33	6.850	173.99	-391	5.33	21.955	557.66
-331	5.33	2.225	56.52	-861	5.33	4.750	120.65	-365	5.33	6.975	177.17	-392	5.33	22.940	582.68
-332	5.33	2.350	59.69	-352	5.33	4.850	123.19	-366	5.33	7.225	183.52	-393	5.33	23.940	608.08
-333	5.33	2.475	62.87	-862	5.33	4.875	123.83	-367	5.33	7.475	189.87	-394	5.33	24.940	633.48
-334	5.33	2.600	66.04	-353	5.33	4.975	126.37	-368	5.33	7.725	196.22	-395	5.33	25.940	658.88
-335	5.33	2.725	69.22	-863	5.33	5.000	127.00	-369	5.33	7.975	202.57				

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.

Series 5 Ref -425 – -475												CS 6.99mm			
Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm	Ref	CS mm	ID in	ID mm
-425	6.99	4.475	113.67	-874	6.99	6.375	161.93	-447A	6.99	9.225	234.32	-458	6.99	14.475	367.67
-624	6.99	4.516	114.71	-439	6.99	6.475	164.47	-448	6.99	9.475	240.67	-459	6.99	14.975	380.37
-426	6.99	4.600	116.84	-628	6.99	6.563	166.70	-448A	6.99	9.725	247.02	-460	6.99	15.475	393.07
-427	6.99	4.725	120.02	-876	6.99	6.625	168.28	-449	6.99	9.975	253.37	-461	6.99	15.955	405.26
-428	6.99	4.850	123.19	-440	6.99	6.725	170.82	-449A	6.99	10.225	259.72	-462	6.99	16.455	417.96
-625	6.99	4.906	124.61	-878	6.99	6.875	174.63	-450	6.99	10.475	266.07	-463	6.99	16.955	430.66
-429	6.99	4.975	126.37	-441	6.99	6.975	177.17	-450A	6.99	10.725	272.42	-464	6.99	17.455	443.36
-430	6.99	5.100	129.54	-880	6.99	7.125	180.98	-451	6.99	10.975	278.77	-465	6.99	17.955	456.06
-431	6.99	5.225	132.72	-442	6.99	7.225	183.52	-451A	6.99	11.225	285.12	-466	6.99	18.455	468.76
-626	6.99	5.297	134.54	-882	6.99	7.375	187.33	-452	6.99	11.475	291.47	-467	6.99	18.955	481.46
-432	6.99	5.350	135.89	-443	6.99	7.475	189.87	-452A	6.99	11.725	297.82	-468	6.99	19.455	494.16
-433	6.99	5.475	139.07	-884	6.99	7.625	193.68	-453	6.99	11.975	304.17	-469	6.99	19.955	506.86
-434	6.99	5.600	142.24	-444	6.99	7.725	196.22	-648	6.99	12.225	310.52	-470	6.99	20.955	532.26
-435	6.99	5.725	145.42	-886	6.99	7.875	200.03	-454	6.99	12.475	316.87	-471	6.99	21.955	557.66
-436	6.99	5.850	148.59	-445	6.99	7.975	202.57	-649	6.99	12.725	323.22	-472	6.99	22.940	582.68
-437	6.99	5.975	151.77	-445A	6.99	8.225	208.92	-455	6.99	12.975	329.57	-473	6.99	23.940	608.08
-872	6.99	6.125	155.58	-446	6.99	8.475	215.27	-650	6.99	13.225	335.92	-474	6.99	24.940	633.48
-438	6.99	6.225	158.12	-446A	6.99	8.725	221.62	-456	6.99	13.475	342.27	-475	6.99	25.940	658.88
-627	6.99	6.281	159.54	-447	6.99	8.975	227.97	-457	6.99	13.975	354.97				



O-rings are specified by ID and cross section (W) — OD is derived, not measured directly. Reference numbers shared with AS568 are dimensionally identical; other numbers are BS1806-only intermediate sizes.