



ASTM D2000 M2 BG714 A14 B14 EF11 EF21 EO14 EO34 F17

# Imperial EPDM 70 ShA O-Rings

EP / Ethylene Propylene Diene Monomer

O-rings manufactured from EPDM exhibit excellent resistance to weathering and ozone, water and steam. They are also resistant to silicone and glycol-based brake fluids (DOT 3, DOT 4, DOT 5). They may also be used with phosphate ester-based fluids such as Skydrol. Not recommended for use with mineral oil products.

*Colour: Black*

*Operating temperature range: -30°C to 120°C*

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D 2240	IRHD	71
Tensile Strength	ASTM D 412	Mpa	10.5
Elongation	ASTM D 412	%	255
Specific Gravity	ASTM D 297	g/cm <sup>3</sup>	1.19 ±0.03
Compression Set 22h / 125°C	ASTM D 395 B	%	38
Tear Resistance	ASTM D 624 C	N/mm	49
Low Temperature Resistance	ASTM D 1329 - TR10	°C	-40

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Air	ASTM D 573	70	125	4	-14	-24	
Water	ASTM D 471	70	100				2

RS Article Number	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		Standard Reference
	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	
2580381	1.78	0.13	1.78	0.08	0.07	0.005	0.07	0.003	1/16	1/16	AS568-4 and BS 1806-4
2580382	2.9	0.13	1.78	0.08	0.114	0.005	0.07	0.003	7/64	1/16	AS568-6 and BS 1806-6
2580383	3.68	0.14	1.78	0.08	0.145	0.006	0.07	0.003	5/32	1/16	AS568-7 and BS 1806-7
2580385	4.47	0.15	1.78	0.08	0.176	0.006	0.07	0.003	11/64	1/16	AS568-8 and BS 1806-8
2580386	5.28	0.15	1.78	0.08	0.208	0.006	0.07	0.003	7/32	1/16	AS568-9 and BS 1806-9
2580387	6.07	0.16	1.78	0.08	0.239	0.006	0.07	0.003	15/64	1/16	AS568-10 and BS 1806-10
2580388	7.65	0.17	1.78	0.08	0.301	0.007	0.07	0.003	5/16	1/16	AS568-11 and BS 1806-11
2580389	9.25	0.18	1.78	0.08	0.364	0.007	0.07	0.003	23/64	1/16	AS568-12 and BS 1806-12
2580391	12.42	0.21	1.78	0.08	0.489	0.008	0.07	0.003	31/64	1/16	AS568-14 and BS 1806-14
2580392	15.6	0.23	1.78	0.08	0.614	0.009	0.07	0.003	39/64	1/16	AS568-16 and BS 1806-16
2580393	18.77	0.26	1.78	0.08	0.739	0.01	0.07	0.003	47/64	1/16	AS568-18 and BS 1806-18
2580394	21.95	0.28	1.78	0.08	0.864	0.011	0.07	0.003	7/8	1/16	AS568-20 and BS 1806-20
2580395	23.52	0.29	1.78	0.08	0.926	0.011	0.07	0.003	15/16	1/16	AS568-21 and BS 1806-21

RS Article Number	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		Standard Reference
	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	
2580396	28.3	0.33	1.78	0.08	1.114	0.013	0.07	0.003	1 1/8	1/16	AS568-24 and BS 1806-24
2580397	29.87	0.34	1.78	0.08	1.176	0.013	0.07	0.003	1 3/16	1/16	AS568-25 and BS 1806-25
2580398	41	0.42	1.78	0.08	1.614	0.017	0.07	0.003	1 39/64	1/16	AS568-30 and BS 1806-30
2580399	47.35	0.46	1.78	0.08	1.864	0.018	0.07	0.003	1 55/64	1/16	AS568-32 and BS 1806-32
2580400	75.92	0.66	1.78	0.08	2.989	0.026	0.07	0.003	2 63/64	1/16	AS568-41 and BS 1806-41
2580401	120.37	0.96	1.78	0.08	4.739	0.038	0.07	0.003	4 3/4	1/16	AS568-48 and BS 1806-48
2580402	2.06	0.13	2.62	0.09	0.081	0.005	0.1	0.004	5/64	3/32	AS568-103 and BS 1806-103
2580403	6.02	0.16	2.62	0.09	0.237	0.006	0.1	0.004	15/64	3/32	AS568-108 and BS 1806-108
2580404	12.37	0.21	2.62	0.09	0.487	0.008	0.1	0.004	31/64	3/32	AS568-112 and BS 1806-112
2580405	18.72	0.26	2.62	0.09	0.737	0.01	0.1	0.004	47/64	3/32	AS568-116 and BS 1806-116
2580406	20.3	0.27	2.62	0.09	0.799	0.011	0.1	0.004	51/64	3/32	AS568-117 and BS 1806-117

RS Article Number	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		Standard Reference
	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	
2580408	23.47	0.29	2.62	0.09	0.924	0.011	0.1	0.004	59/64	3/32	AS568-119 and BS 1806-119
2580409	25.07	0.3	2.62	0.09	0.987	0.012	0.1	0.004	1	3/32	AS568-120 and BS 1806-120
2580410	26.64	0.31	2.62	0.09	1.049	0.012	0.1	0.004	1 3/64	3/32	AS568-121 and BS 1806-121
2580411	34.59	0.37	2.62	0.09	1.362	0.015	0.1	0.004	1 23/64	3/32	AS568-126 and BS 1806-126
2580412	44.12	0.44	2.62	0.09	1.737	0.017	0.1	0.004	1 3/4	3/32	AS568-132 and BS 1806-132
2580413	45.69	0.45	2.62	0.09	1.799	0.018	0.1	0.004	1 13/16	3/32	AS568-133 and BS 1806-133
2580414	48.9	0.47	2.62	0.09	1.925	0.019	0.1	0.004	1 59/64	3/32	AS568-135 and BS 1806-135
2580415	53.64	0.51	2.62	0.09	2.112	0.02	0.1	0.004	2 1/8	3/32	AS568-138 and BS 1806-138
2580416	71.12	0.63	2.62	0.09	2.8	0.025	0.1	0.004	2 13/16	3/32	AS568-149 and BS 1806-149
2580417	72.69	0.64	2.62	0.09	2.862	0.025	0.1	0.004	2 7/8	3/32	AS568-150 and BS 1806-150
2580418	88.57	0.75	2.62	0.09	3.487	0.03	0.1	0.004	3 1/2	3/32	AS568-153 and BS 1806-153

RS Article Number	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		Standard Reference
	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	
2580419	126.67	1	2.62	0.09	4.987	0.039	0.1	0.004	4 63/64	3/32	AS568-159 and BS 1806-159
2580420	139.37	1.09	2.62	0.09	5.487	0.043	0.1	0.004	5 31/64	3/32	AS568-161 and BS 1806-161
2580421	152.07	1.17	2.62	0.09	5.987	0.046	0.1	0.004	6	3/32	AS568-163 and BS 1806-163
2580422	177.47	1.34	2.62	0.09	6.987	0.053	0.1	0.004	7	3/32	AS568-167 and BS 1806-167
2580423	196.52	1.47	2.62	0.09	7.737	0.058	0.1	0.004	7 3/4	3/32	AS568-170 and BS 1806-170
2580424	215.57	1.59	2.62	0.09	8.487	0.063	0.1	0.004	8 1/2	3/32	AS568-173 and BS 1806-173
2580425	18.64	0.25	3.53	0.1	0.734	0.01	0.14	0.004	3/4	1/8	AS568-210 and BS 1806-210
2580426	20.22	0.27	3.53	0.1	0.796	0.011	0.14	0.004	51/64	1/8	AS568-211 and BS 1806-211
2580427	21.82	0.28	3.53	0.1	0.859	0.011	0.14	0.004	55/64	1/8	AS568-212 and BS 1806-212
2580428	24.99	0.3	3.53	0.1	0.984	0.012	0.14	0.004	1	1/8	AS568-214 and BS 1806-214
2580430	31.34	0.35	3.53	0.1	1.234	0.014	0.14	0.004	1 15/64	1/8	AS568-218 and BS 1806-218

RS Article Number	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		Standard Reference
	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	
2580431	32.92	0.36	3.53	0.1	1.296	0.014	0.14	0.004	1.3125	1/8	AS568-219 and BS 1806-219
2580432	34.52	0.37	3.53	0.1	1.359	0.015	0.14	0.004	1 23/64	1/8	AS568-220 and BS 1806-220
2580433	36.09	0.38	3.53	0.1	1.421	0.015	0.14	0.004	1 27/64	1/8	AS568-221 and BS 1806-221
2580434	37.69	0.4	3.53	0.1	1.484	0.016	0.14	0.004	1 31/64	1/8	AS568-222 and BS 1806-222
2580435	40.87	0.42	3.53	0.1	1.609	0.017	0.14	0.004	1 5/8	1/8	AS568-223 and BS 1806-223
2580436	44.04	0.44	3.53	0.1	1.734	0.017	0.14	0.004	1 47/64	1/8	AS568-224 and BS 1806-224
2580437	50.39	0.48	3.53	0.1	1.984	0.019	0.14	0.004	2	1/8	AS568-226 and BS 1806-226
2580438	56.74	0.53	3.53	0.1	2.234	0.021	0.14	0.004	2 15/64	1/8	AS568-228 and BS 1806-228
2580439	59.92	0.55	3.53	0.1	2.359	0.022	0.14	0.004	2 23/64	1/8	AS568-229 and BS 1806-229
2580440	69.44	0.62	3.53	0.1	2.734	0.024	0.14	0.004	2 47/64	1/8	AS568-232 and BS 1806-232
2580442	75.79	0.66	3.53	0.1	2.984	0.026	0.14	0.004	2 63/64	1/8	AS568-234 and BS 1806-234

RS Article Number	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		Standard Reference
	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	
2580443	85.32	0.72	3.53	0.1	3.359	0.028	0.14	0.004	3 23/64	1/8	AS568-237 and BS 1806-237
2580444	91.67	0.77	3.53	0.1	3.609	0.03	0.14	0.004	3 5/8	1/8	AS568-239 and BS 1806-239
2580445	94.84	0.79	3.53	0.1	3.734	0.031	0.14	0.004	3 3/4	1/8	AS568-240 and BS 1806-240
2580446	98.02	0.81	3.53	0.1	3.859	0.032	0.14	0.004	3 7/8	1/8	AS568-241 and BS 1806-241
2580447	110.72	0.9	3.53	0.1	4.359	0.035	0.14	0.004	4 3/8	1/8	AS568-245 and BS 1806-245
2580448	113.89	0.92	3.53	0.1	4.484	0.036	0.14	0.004	4 31/64	1/8	AS568-246 and BS 1806-246
2580449	117.07	0.94	3.53	0.1	4.609	0.037	0.14	0.004	4 39/64	1/8	AS568-247 and BS 1806-247
2580450	120.24	0.96	3.53	0.1	4.734	0.038	0.14	0.004	4 47/64	1/8	AS568-248 and BS 1806-248
2580451	123.42	0.98	3.53	0.1	4.859	0.039	0.14	0.004	4 55/64	1/8	AS568-249 and BS 1806-249
2580452	132.94	1.05	3.53	0.1	5.234	0.041	0.14	0.004	5 15/64	1/8	AS568-252 and BS 1806-252
2580453	139.29	1.09	3.53	0.1	5.484	0.043	0.14	0.004	5 1/2	1/8	AS568-254 and BS 1806-254

RS Article Number	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		Standard Reference
	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	
2580454	145.64	1.13	3.53	0.1	5.734	0.044	0.14	0.004	5 3/4	1/8	AS568-256 and BS 1806-256
2580455	148.82	1.15	3.53	0.1	5.859	0.045	0.14	0.004	5 7/8	1/8	AS568-257 and BS 1806-257
2580456	158.34	1.22	3.53	0.1	6.234	0.048	0.14	0.004	6 15/64	1/8	AS568-259 and BS 1806-259
2580458	183.74	1.38	3.53	0.1	7.234	0.054	0.14	0.004	7 15/64	1/8	AS568-263 and BS 1806-263
2580459	190.09	1.43	3.53	0.1	7.484	0.056	0.14	0.004	7 1/2	1/8	AS568-264 and BS 1806-264
2580460	253.59	1.84	3.53	0.1	9.984	0.072	0.14	0.004	10	1/8	AS568-274 and BS 1806-274
2580461	31.12	0.35	5.33	0.13	1.225	0.014	0.21	0.005	1 1/4	3/16	AS568-322 and BS 1806-322
2580462	37.47	0.4	5.33	0.13	1.475	0.016	0.21	0.005	1 1/2	3/16	AS568-325 and BS 1806-325
2580464	40.64	0.41	5.33	0.13	1.6	0.016	0.21	0.005	1 5/8	3/16	AS568-326 and BS 1806-326
2580465	43.82	0.44	5.33	0.13	1.725	0.017	0.21	0.005	1 23/32	3/16	AS568-327 and BS 1806-327
2580466	46.99	0.46	5.33	0.13	1.85	0.018	0.21	0.005	1 27/32	3/16	AS568-328 and BS 1806-328



RS Article Number	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		Standard Reference
	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	
2580467	56.52	0.53	5.33	0.13	2.225	0.021	0.21	0.005	2 7/32	3/16	AS568-331 and BS 1806-331
2580468	59.69	0.55	5.33	0.13	2.35	0.022	0.21	0.005	2 11/32	3/16	AS568-332 and BS 1806-332
2580469	62.87	0.57	5.33	0.13	2.475	0.022	0.21	0.005	2 15/32	3/16	AS568-333 and BS 1806-333
2580470	66.04	0.59	5.33	0.13	2.6	0.023	0.21	0.005	2 5/8	3/16	AS568-334 and BS 1806-334
2580471	72.39	0.64	5.33	0.13	2.85	0.025	0.21	0.005	2 27/32	3/16	AS568-336 and BS 1806-336
2580472	78.74	0.68	5.33	0.13	3.1	0.027	0.21	0.005	3 3/32	3/16	AS568-338 and BS 1806-338
2580473	85.09	0.72	5.33	0.13	3.35	0.028	0.21	0.005	3 11/32	3/16	AS568-340 and BS 1806-340
2580474	91.44	0.77	5.33	0.13	3.6	0.03	0.21	0.005	3 19/32	3/16	AS568-342 and BS 1806-342
2580475	97.79	0.81	5.33	0.13	3.85	0.032	0.21	0.005	3 7/8	3/16	AS568-344 and BS 1806-344
2580476	100.97	0.83	5.33	0.13	3.975	0.033	0.21	0.005	4	3/16	AS568-345 and BS 1806-345
2580477	107.32	0.87	5.33	0.13	4.225	0.034	0.21	0.005	4 1/4	3/16	AS568-347 and BS 1806-347

RS Article Number	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		Standard Reference
	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	
2580478	113.67	0.92	5.33	0.13	4.475	0.036	0.21	0.005	4 1/2	3/16	AS568-349 and BS 1806-349
2580480	116.84	0.94	5.33	0.13	4.6	0.037	0.21	0.005	4 5/8	3/16	AS568-350 and BS 1806-350
2580481	145.42	1.13	5.33	0.13	5.725	0.044	0.21	0.005	5 3/4	3/16	AS568-359 and BS 1806-359
2580482	151.77	1.17	5.33	0.13	5.975	0.046	0.21	0.005	6	3/16	AS568-361 and BS 1806-361
2580483	158.12	1.22	5.33	0.13	6.225	0.048	0.21	0.005	6 1/4	3/16	AS568-362 and BS 1806-362
2580484	177.17	1.34	5.33	0.13	6.975	0.053	0.21	0.005	7	3/16	AS568-365 and BS 1806-365
2580486	189.87	1.39	5.33	0.13	7.475	0.055	0.21	0.005	7 1/2	3/16	AS568-367 and BS 1806-367
2580487	221.62	1.63	5.33	0.13	8.725	0.064	0.21	0.005	8 3/4	3/16	AS568-372 and BS 1806-372
2580488	291.47	2.09	5.33	0.13	11.475	0.082	0.21	0.005	11 1/2	3/16	AS568-380 and BS 1806-380
2580489	129.54	1.02	6.99	0.15	5.1	0.04	0.28	0.006	5 7/64	1/4	AS568-430 and BS 1806-430
2580490	135.89	1.07	6.99	0.15	5.35	0.042	0.28	0.006	5 3/8	1/4	AS568-432 and BS 1806-432

RS Article Number	Millimetres (mm)				Inches (")				Nominal (Inch dimensions)		Standard Reference
	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	ID ± Tolerance	Cross Section	CS ± Tolerance	Internal Diameter	Cross Section	
2580492	151.77	1.17	6.99	0.15	5.975	0.046	0.28	0.006	6	1/4	AS568-437 and BS 1806-437
2580493	177.17	1.34	6.99	0.15	6.975	0.053	0.28	0.006	7	1/4	AS568-441 and BS 1806-441
2580494	183.52	1.38	6.99	0.15	7.225	0.054	0.28	0.006	7 15/64	1/4	AS568-442 and BS 1806-442
2580495	196.22	1.47	6.99	0.15	7.725	0.058	0.28	0.006	7 3/4	1/4	AS568-444 and BS 1806-444
2580496	202.57	1.51	6.99	0.15	7.975	0.059	0.28	0.006	8	1/4	AS568-445 and BS 1806-445
2580497	215.27	1.59	6.99	0.15	8.475	0.063	0.28	0.006	8 1/2	1/4	AS568-446 and BS 1806-446
2580498	240.67	1.76	6.99	0.15	9.475	0.069	0.28	0.006	9 1/2	1/4	AS568-448 and BS 1806-448
2580499	1.78	0.13	1.02	0.08	0.07	0.005	0.04	0.003	1/16	3/64	BS 1806-60
2580500	9.9	0.19	2.62	0.09	0.39	0.007	0.1	0.004	25/64	3/32	BS 1806-613
2580501	17.86	0.25	2.62	0.09	0.703	0.01	0.1	0.004	45/64	3/32	BS 1806-617
2580502	7.94	0.17	1.78	0.08	0.313	0.007	0.07	0.003	5/16	1/16	BS 1806-80
2580503	61.9	0.56	3.53	0.1	2.437	0.022	0.14	0.004	2 7/16	1/8	BS 1806-838