

(R) O-Ring Molded from AMS7274 Material

RATIONALE

This standard was transferred from E-25 to A-6 and has been revised to make its format consistent with other A-6 O-ring part standards.

AS3570A has been reaffirmed to comply with the SAE Five-Year Review policy.

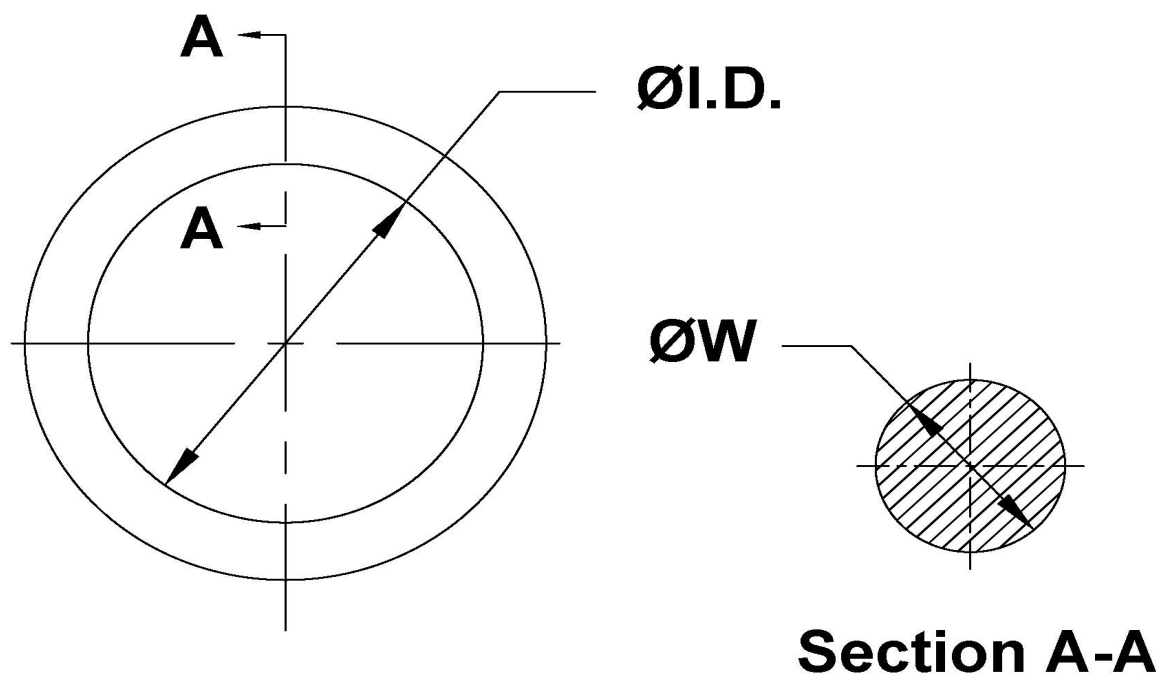


Figure 1 - O-Ring dimensions - width (ØW) and inside diameter (ØID)

NOTE: Dimensions and tolerancing per ASME Y14.5.

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Table 1 - Part numbers and dimensions

App Note	Part Number	ØID	ØID	ØW	ØW	Approx Mass	
		Inches	mm	Inches	mm	LB/100	KG/100
	AS3570-001	0.025/0.033	0.64/ 0.84	0.037/0.043	0.94/1.09	0.001	0.001
	AS3570-002	0.038/0.046	0.97/ 1.17	0.047/0.053	1.19/1.35	0.003	0.001
	AS3570-003	0.052/0.060	1.32/ 1.52	0.057/0.063	1.45/1.60	0.005	0.002
	AS3570-004	0.065/0.075	1.65/ 1.91	0.067/0.073	1.70/1.85	0.008	0.004
	AS3570-005	0.096/0.106	2.44/ 2.69	0.067/0.073	1.70/1.85	0.010	0.004
	AS3570-006	0.109/0.119	2.77/ 3.02	0.067/0.073	1.70/1.85	0.010	0.005
	AS3570-007	0.140/0.150	3.56/ 3.81	0.067/0.073	1.70/1.85	0.012	0.005
	AS3570-008	0.171/0.181	4.34/ 4.60	0.067/0.073	1.70/1.85	0.014	0.006
	AS3570-009	0.203/0.213	5.16/ 5.41	0.067/0.073	1.70/1.85	0.016	0.007
	AS3570-010	0.234/0.244	5.94/ 6.20	0.067/0.073	1.70/1.85	0.017	0.008
(a)	AS3570-011	0.296/0.306	7.52/ 7.77	0.067/0.073	1.70/1.85	0.021	0.009
	AS3570-012	0.359/0.369	9.12/ 9.37	0.067/0.073	1.70/1.85	0.024	0.011
	AS3570-013	0.421/0.431	10.69/ 10.95	0.067/0.073	1.70/1.85	0.028	0.013
	AS3570-014	0.484/0.494	12.29/ 12.55	0.067/0.073	1.70/1.85	0.031	0.014
	AS3570-015	0.544/0.558	13.82/ 14.17	0.067/0.073	1.70/1.85	0.035	0.016
	AS3570-016	0.605/0.623	15.37/ 15.82	0.067/0.073	1.70/1.85	0.038	0.017
	AS3570-017	0.667/0.685	16.94/ 17.40	0.067/0.073	1.70/1.85	0.041	0.019
	AS3570-018	0.730/0.748	18.54/ 19.00	0.067/0.073	1.70/1.85	0.045	0.020
	AS3570-019	0.792/0.810	20.12/ 20.57	0.067/0.073	1.70/1.85	0.048	0.022
	AS3570-020	0.855/0.873	21.72/ 22.17	0.067/0.073	1.70/1.85	0.052	0.024
(b)							
	AS3570-021	0.917/0.935	23.29/ 23.75	0.067/0.073	1.70/1.85	0.055	0.025
	AS3570-022	0.979/0.999	24.87/ 25.37	0.067/0.073	1.70/1.85	0.059	0.027
	AS3570-023	1.041/1.061	26.44/ 26.95	0.067/0.073	1.70/1.85	0.063	0.029
	AS3570-024	1.104/1.124	28.04/ 28.55	0.067/0.073	1.70/1.85	0.066	0.030
	AS3570-025	1.165/1.187	29.59/ 30.15	0.067/0.073	1.70/1.85	0.070	0.032
	AS3570-026	1.228/1.250	31.19/ 31.75	0.067/0.073	1.70/1.85	0.073	0.033
	AS3570-027	1.290/1.312	32.77/ 33.33	0.067/0.073	1.70/1.85	0.076	0.035
	AS3570-028	1.351/1.377	34.32/ 34.98	0.067/0.073	1.70/1.85	0.080	0.036
	AS3570-029	1.476/1.502	37.49/ 38.15	0.067/0.073	1.70/1.85	0.087	0.039
	AS3570-030	1.601/1.627	40.67/ 41.33	0.067/0.073	1.70/1.85	0.094	0.043
	AS3570-031	1.724/1.754	43.79/ 44.55	0.067/0.073	1.70/1.85	0.101	0.046
	AS3570-032	1.849/1.879	46.97/ 47.73	0.067/0.073	1.70/1.85	0.108	0.049
	AS3570-033	1.971/2.007	50.06/ 50.98	0.067/0.073	1.70/1.85	0.115	0.052
	AS3570-034	2.096/2.132	53.24/ 54.15	0.067/0.073	1.70/1.85	0.121	0.055
	AS3570-035	2.221/2.257	56.41/ 57.33	0.067/0.073	1.70/1.85	0.128	0.058
	AS3570-036	2.346/2.382	59.59/ 60.50	0.067/0.073	1.70/1.85	0.135	0.061
	AS3570-037	2.471/2.507	62.76/ 63.68	0.067/0.073	1.70/1.85	0.142	0.064
	AS3570-038	2.594/2.634	65.89/ 66.90	0.067/0.073	1.70/1.85	0.150	0.068
	AS3570-039	2.719/2.759	69.06/ 70.08	0.067/0.073	1.70/1.85	0.156	0.071
	AS3570-040	2.844/2.884	72.24/ 73.25	0.067/0.073	1.70/1.85	0.163	0.074
	AS3570-041	2.965/3.013	75.31/ 76.53	0.067/0.073	1.70/1.85	0.170	0.077
	AS3570-042	3.215/3.263	81.66/ 82.88	0.067/0.073	1.70/1.85	0.184	0.084
	AS3570-043	3.465/3.513	88.01/ 89.23	0.067/0.073	1.70/1.85	0.199	0.090
	AS3570-044	3.712/3.766	94.29/ 95.66	0.067/0.073	1.70/1.85	0.212	0.096
	AS3570-045	3.962/4.016	100.64/102.01	0.067/0.073	1.70/1.85	0.226	0.103
	AS3570-046	4.209/4.269	106.91/108.43	0.067/0.073	1.70/1.85	0.240	0.109
	AS3570-047	4.459/4.519	113.26/114.78	0.067/0.073	1.70/1.85	0.254	0.115
	AS3570-048	4.709/4.769	119.61/121.13	0.067/0.073	1.70/1.85	0.267	0.121
	AS3570-049	4.952/5.026	125.78/127.66	0.067/0.073	1.70/1.85	0.282	0.128
	AS3570-050	5.202/5.276	132.13/134.01	0.067/0.073	1.70/1.85	0.295	0.144

Table 1 - Part numbers and dimensions (continued)

App Note	Part Number	ØID	ØID	ØW	ØW	Approx Mass	
		Inches	mm	Inches	mm	LB/100	KG/100
	AS3570-102	0.044/0.054	1.12/ 1.37	0.100/0.106	2.54/2.69	0.018	0.008
	AS3570-103	0.076/0.086	1.93/ 2.18	0.100/0.106	2.54/2.69	0.022	0.010
	AS3570-104	0.107/0.117	2.72/ 2.97	0.100/0.106	2.54/2.69	0.026	0.012
	AS3570-105	0.138/0.148	3.51/ 3.76	0.100/0.106	2.54/2.69	0.029	0.013
	AS3570-106	0.169/0.179	4.29/ 4.55	0.100/0.106	2.54/2.69	0.034	0.015
	AS3570-107	0.201 /0.211	5.11/ 5.36	0.100/0.106	2.54/2.69	0.037	0.017
	AS3570-108	0.232/0.242	5.89/ 6.15	0.100/0.106	2.54/2.69	0.041	0.019
	AS3570-109	0.294/0.304	7.47/ 7.72	0.100/0.106	2.54/2.69	0.048	0.022
	AS3570-110	0.357/0.367	9.07/ 9.32	0.100/0.106	2.54/2.69	0.056	0.025
	AS3570-111	0.419/0.429	10.64/10.90	0.100/0.106	2.54/2.69	0.064	0.029
	AS3570-112	0.482/0.492	12.24/12.50	0.100/0.106	2.54/2.69	0.071	0.032
	AS3570-113	0.542/0.556	13.77/14.12	0.100/0.106	2.54/2.69	0.079	0.036
	AS3570-114	0.603/0.621	15.32/15.77	0.100/0.106	2.54/2.69	0.086	0.039
	AS3570-115	0.665/0.683	16.89/17.35	0.100/0.106	2.54/2.69	0.093	0.042
	AS3570-116	0.728/0.746	18.49/18.95	0.100/0.106	2.54/2.69	0.101	0.046
(a)	AS3570-117	0.789/0.809	20.04/20.55	0.100/0.106	2.54/2.69	0.109	0.049
	AS3570-118	0.852/0.872	21.64/22.15	0.100/0.106	2.54/2.69	0.116	0.053
	AS3570-119	0.914/0.934	23.22/23.72	0.100/0.106	2.54/2.69	0.124	0.056
	AS3570-120	0.977/0.997	24.82/25.32	0.100/0.106	2.54/2.69	0.131	0.059
	AS3570-121	1.039/1.059	26.39/26.90	0.100/0.106	2.54/2.69	0.139	0.063
	AS3570-122	1.102/1.122	27.99/28.50	0.100/0.106	2.54/2.69	0.146	0.066
	AS3570-123	1.162/1.186	29.52/30.12	0.100/0.106	2.54/2.69	0.154	0.070
	AS3570-124	1.225/1.249	31.12/31.73	0.100/0.106	2.54/2.69	0.162	0.074
	AS3570-125	1.287/1.311	32.69/33.30	0.100/0.106	2.54/2.69	0.169	0.077
	AS3570-126	1.350/1.374	34.29/34.90	0.100/0.106	2.54/2.69	0.176	0.080
	AS3570-127	1.412/1.436	35.87/36.47	0.100/0.106	2.54/2.69	0.184	0.084
	AS3570-128	1.475/1.499	37.47/38.08	0.100/0.106	2.54/2.69	0.191	0.087
	AS3570-129	1.534/1.564	38.96/39.73	0.100/0.106	2.54/2.69	0.199	0.090
	AS3570-130	1.597/1.627	40.56/41.33	0.100/0.106	2.54/2.69	0.207	0.094
	AS3570-131	1.659/1.689	42.14/42.90	0.100/0.106	2.54/2.69	0.214	0.097
	AS3570-132	1.722/1.752	43.74/44.50	0.100/0.106	2.54/2.69	0.222	0.101
	AS3570-133	1.784/1.814	45.31/46.08	0.100/0.106	2.54/2.69	0.229	0.104
	AS3570-134	1.847/1.877	46.91/47.68	0.100/0.106	2.54/2.69	0.236	0.107
	AS3570-135	1.908/1.942	48.46/49.33	0.100/0.106	2.54/2.69	0.244	0.111
	AS3570-136	1.970/2.004	50.04/50.90	0.100/0.106	2.54/2.69	0.252	0.114
	AS3570-137	2.033/2.067	51.64/52.50	0.100/0.106	2.54/2.69	0.259	0.118
	AS3570-138	2.095/2.129	53.21/54.08	0.100/0.106	2.54/2.69	0.267	0.121
	AS3570-139	2.158/2.192	54.81/55.68	0.100/0.106	2.54/2.69	0.274	0.124
	AS3570-140	2.220/2.254	56.39/57.25	0.100/0.106	2.54/2.69	0.282	0.128
	AS3570-141	2.280/2.320	57.91/58.93	0.100/0.106	2.54/2.69	0.289	0.131
	AS3570-142	2.342/2.382	59.49/60.50	0.100/0.106	2.54/2.69	0.297	0.135
	AS3570-143	2.405/2.445	61.09/62.10	0.100/0.106	2.54/2.69	0.305	0.138
	AS3570-144	2.467/2.507	62.66/63.68	0.100/0.106	2.54/2.69	0.312	0.142
	AS3570-145	2.530/2.570	64.26/65.28	0.100/0.106	2.54/2.69	0.319	0.145
	AS3570-146	2.592/2.632	65.84/66.85	0.100/0.106	2.54/2.69	0.327	0.148
	AS3570-147	2.653/2.697	67.39/68.50	0.100/0.106	2.54/2.69	0.334	0.152
	AS3570-148	2.715/2.759	68.96/70.08	0.100/0.106	2.54/2.69	0.342	0.155
	AS3570-149	2.778/2.822	70.56/71.68	0.100/0.106	2.54/2.69	0.350	0.159
(b)	AS3570-150	2.840/2.884	72.14/73.25	0.100/0.106	2.54/2.69	0.357	0.162

Table 1 - Part numbers and dimensions (continued)

App Note	Part Number	ØID	ØID	ØW	ØW	Approx Mass	
		Inches	mm	Inches	mm	LB/100	KG/100
(b)	AS3570-151	2.963/3.011	75.26/ 76.48	0.100/0.106	2.54/2.69	0.372	0.169
	AS3570-152	3.213/3.261	81.61/ 82.83	0.100/0.106	2.54/2.69	0.402	0.183
	AS3570-153	3.463/3.511	87.96/ 89.18	0.100/0.106	2.54/2.69	0.432	0.196
	AS3570-154	3.709/3.765	94.21/ 95.63	0.100/0.106	2.54/2.69	0.462	0.210
	AS3570-155	3.959/4.015	100.56/101.98	0.100/0.106	2.54/2.69	0.493	0.224
	AS3570-156	4.207/4.267	106.86/108.38	0.100/0.106	2.54/2.69	0.523	0.237
	AS3570-157	4.457/4.517	113.21/114.73	0.100/0.106	2.54/2.69	0.553	0.251
	AS3570-158	4.707/4.767	119.56/121.08	0.100/0.106	2.54/2.69	0.583	0.265
	AS3570-159	4.952/5.022	125.78/127.56	0.100/0.106	2.54/2.69	0.613	0.278
	AS3570-160	5.202/5.272	132.13/133.91	0.100/0.106	2.54/2.69	0.643	0.292
	AS3570-161	5.452/5.522	138.48/140.26	0.100/0.106	2.54/2.69	0.673	0.306
	AS3570-162	5.702/5.772	144.83/146.61	0.100/0.106	2.54/2.69	0.703	0.319
	AS3570-163	5.952/6.022	151.18/152.96	0.100/0.106	2.54/2.69	0.733	0.333
	AS3570-164	6.197/6.277	157.40/159.44	0.100/0.106	2.54/2.69	0.764	0.347
	AS3570-165	6.447/6.527	163.75/165.79	0.100/0.106	2.54/2.69	0.794	0.360
	AS3570-166	6.697/6.777	170.10/172.14	0.100/0.106	2.54/2.69	0.823	0.374
	AS3570-167	6.947/7.027	176.45/178.49	0.100/0.106	2.54/2.69	0.854	0.388
	AS3570-168	7.192/7.282	182.68/184.96	0.100/0.106	2.54/2.69	0.884	0.401
	AS3570-169	7.442/7.532	189.03/191.31	0.100/0.106	2.54/2.69	0.914	0.415
	AS3570-170	7.692/7.782	195.38/197.66	0.100/0.106	2.54/2.69	0.944	0.429
	AS3570-171	7.942/8.032	201.73/204.01	0.100/0.106	2.54/2.69	0.974	0.442
	AS3570-172	8.187/8.287	207.95/210.49	0.100/0.106	2.54/2.69	1.004	0.456
	AS3570-173	8.437/8.537	214.30/216.84	0.100/0.106	2.54/2.69	1.035	0.470
	AS3570-174	8.687/8.787	220.65/223.19	0.100/0.106	2.54/2.69	1.064	0.483
	AS3570-175	8.937/9.037	227.00/229.54	0.100/0.106	2.54/2.69	1.094	0.497
	AS3570-176	9.182/9.292	233.22/236.02	0.100/0.106	2.54/2.69	1.125	0.511
	AS3570-177	9.432/9.542	239.57/242.37	0.100/0.106	2.54/2.69	1.155	0.524
	AS3570-178	9.682/9.792	245.92/248.72	0.100/0.106	2.54/2.69	1.185	0.538
	AS3570-201	0.166/0.176	4.22/ 4.47	0.135/0.143	3.43/3.63	0.068	0.031
	AS3570-202	0.229/0.239	5.82/ 6.07	0.135/0.143	3.43/3.63	0.082	0.037
	AS3570-203	0.291/0.301	7.39/ 7.65	0.135/0.143	3.43/3.63	0.095	0.043
	AS3570-204	0.354/0.364	8.99/ 9.25	0.135/0.143	3.43/3.63	0.109	0.049
	AS3570-205	0.416/0.426	10.57/ 10.82	0.135/0.143	3.43/3.63	0.123	0.056
	AS3570-206	0.479/0.489	12.17/ 12.42	0.135/0.143	3.43/3.63	0.137	0.062
	AS3570-207	0.539/0.553	13.69/ 14.05	0.135/0.143	3.43/3.63	0.150	0.068
	AS3570-208	0.600/0.618	15.24/ 15.70	0.135/0.143	3.43/3.63	0.164	0.074
	AS3570-209	0.662/0.680	16.81/ 17.27	0.135/0.143	3.43/3.63	0.178	0.081
	AS3570-210	0.724/0.744	18.39/ 18.90	0.135/0.143	3.43/3.63	0.191	0.087
	AS3570-211	0.786/0.806	19.96/ 20.47	0.135/0.143	3.43/3.63	0.205	0.093
	AS3570-212	0.849/0.869	21.56/ 22.07	0.135/0.143	3.43/3.63	0.219	0.099
	AS3570-213	0.911/0.931	23.14/ 23.65	0.135/0.143	3.43/3.63	0.232	0.105
	AS3570-214	0.974/0.994	24.74/ 25.25	0.135/0.143	3.43/3.63	0.246	0.112
	AS3570-215	1.036/1.056	26.31/ 26.82	0.135/0.143	3.43/3.63	0.260	0.118
	AS3570-216	1.097/1.121	27.86/ 28.47	0.135/0.143	3.43/3.63	0.274	0.124
	AS3570-217	1.159/1.183	29.44/ 30.05	0.135/0.143	3.43/3.63	0.288	0.131
	AS3570-218	1.222/1.246	31.04/ 31.65	0.135/0.143	3.43/3.63	0.301	0.137
	AS3570-219	1.284/1.308	32.61/ 33.22	0.135/0.143	3.43/3.63	0.315	0.143
	AS3570-220	1.347/1.371	34.21/ 34.82	0.135/0.143	3.43/3.63	0.328	0.149