METRIC AEROSPACE STANDARD

MA3352™ | **REV. A**

Issued 1987-03
Revised 2019-09

Superseding MA3352

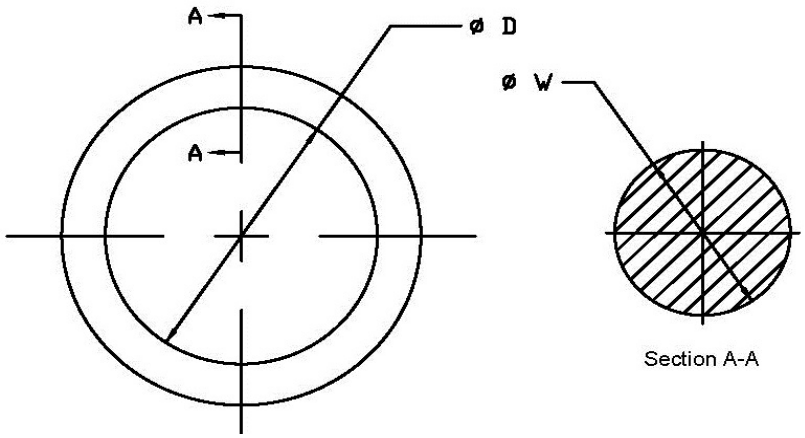
(R) O-Ring Molded from AMS7276 Material, Metric

RATIONALE

This standard has been revised to make its format consistent with other part standards.

FOREWORD

This standard establishes the dimensional and visual quality requirements, lot requirements, and packaging and labeling requirements for metric O-rings molded from AMS7276 material. It shall be used for procurement purposes.



NOTE: DIMENSIONS AND TOLERANCING PER ASME Y14.5

Figure 1 - O-ring dimensions - width (ΦW) and inside diameter (ΦD)

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Table 1 - Part numbers and dimensions

Part Number	ØD (mm) Nom	ØD (mm) Range	ØD (Inches) Range	ØW (mm) Range	ØW (Inches) Range	Approx Mass lb/100	Approx Mass kg/100
A0018	1.80	1.67/1.93	0.066/0.076	1.72/1.88	0.068/0.074	0.011	0.0050
A0020	2.00	1.87/2.13	0.074/0.084	1.72/1.88	0.068/0.074	0.012	0.0053
A0022	2.24	2.11/2.37	0.083/0.093	1.72/1.88	0.068/0.074	0.012	0.0056
A0025	2.50	2.37/2.63	0.093/0.104	1.72/1.88	0.068/0.074	0.013	0.0060
A0028	2.80	2.67/2.93	0.105/0.115	1.72/1.88	0.068/0.074	0.014	0.0064
A0031	3.15	3.02/3.28	0.119/0.129	1.72/1.88	0.068/0.074	0.015	0.0069
A0035	3.55	3.42/3.68	0.135/0.145	1.72/1.88	0.068/0.074	0.017	0.0075
A0037	3.75	3.62/3.88	0.143/0.153	1.72/1.88	0.068/0.074	0.017	0.0077
A0040	4.00	3.87/4.13	0.152/0.163	1.72/1.88	0.068/0.074	0.018	0.0081
A0045	4.50	4.37/4.63	0.172/0.182	1.72/1.88	0.068/0.074	0.019	0.0088
A0048	4.87	4.74/5.00	0.187/0.197	1.72/1.88	0.068/0.074	0.020	0.0093
A0050	5.00	4.87/5.13	0.192/0.202	1.72/1.88	0.068/0.074	0.021	0.0095
A0051	5.15	5.02/5.28	0.198/0.208	1.72/1.88	0.068/0.074	0.021	0.0097
A0053	5.30	5.17/5.43	0.204/0.214	1.72/1.88	0.068/0.074	0.022	0.0099
A0056	5.60	5.47/5.73	0.215/0.226	1.72/1.88	0.068/0.074	0.023	0.0103
A0060	6.00	5.87/6.13	0.231/0.241	1.72/1.88	0.068/0.074	0.024	0.0109
A0063	6.30	6.17/6.43	0.243/0.253	1.72/1.88	0.068/0.074	0.025	0.0113
A0067	6.70	6.57/6.83	0.259/0.269	1.72/1.88	0.068/0.074	0.026	0.0118
A0069	6.90	6.76/7.04	0.266/0.277	1.72/1.88	0.068/0.074	0.027	0.0121
A0071	7.10	6.96/7.24	0.274/0.285	1.72/1.88	0.068/0.074	0.027	0.0124
A0075	7.50	7.36/7.64	0.290/0.301	1.72/1.88	0.068/0.074	0.029	0.0130
A0080	8.00	7.86/8.14	0.309/0.320	1.72/1.88	0.068/0.074	0.030	0.0137
A0085	8.50	8.35/8.65	0.329/0.341	1.72/1.88	0.068/0.074	0.032	0.0144
A0087	8.75	8.60/8.90	0.339/0.350	1.72/1.88	0.068/0.074	0.032	0.0147
A0090	9.00	8.85/9.15	0.348/0.360	1.72/1.88	0.068/0.074	0.033	0.0151
A0095	9.50	9.350/9.650	0.368/0.380	1.72/1.88	0.068/0.074	0.035	0.0158
A0100	10.00	9.85/10.15	0.388/0.400	1.72/1.88	0.068/0.074	0.036	0.0165
A0106	10.60	10.44/10.76	0.411/0.424	1.72/1.88	0.068/0.074	0.038	0.0173
A0112	11.20	11.04/11.36	0.435/0.447	1.72/1.88	0.068/0.074	0.040	0.0181
A0118	11.80	11.63/11.97	0.458/0.471	1.72/1.88	0.068/0.074	0.042	0.0190

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Table 1 - Part numbers and dimensions (continued)

Part Number	ØD (mm) Nom	ØD (mm) Range	ØD (Inches) Range	ØW (mm) Range	ØW (Inches) Range	Approx Mass lb/100	Approx Mass kg/100
A0125	12.50	12.33/12.67	0.485/0.499	1.72/1.88	0.068/0.074	0.044	0.0199
A0132	13.20	13.03/13.37	0.513/0.526	1.72/1.88	0.068/0.074	0.046	0.0209
A0140	14.00	13.82/14.18	0.544/0.558	1.72/1.88	0.068/0.074	0.048	0.0220
A0150	15.00	14.82/15.18	0.583/0.598	1.72/1.88	0.068/0.074	0.052	0.0234
A0160	16.00	15.81/16.19	0.622/0.637	1.72/1.88	0.068/0.074	0.055	0.0248
A0170	17.00	16.80/17.2	0.661/0.677	1.72/1.88	0.068/0.074	0.058	0.0262
A0180	18.00	17.80/18.20	0.701/0.717	1.72/1.88	0.068/0.074	0.061	0.0276
A0190	19.00	18.79/19.21	0.740/0.756	1.72/1.88	0.068/0.074	0.064	0.0290
A0200	20.00	19.79/20.21	0.779/0.796	1.72/1.88	0.068/0.074	0.067	0.0304
A0212	21.20	20.98/21.42	0.826/0.843	1.72/1.88	0.068/0.074	0.071	0.0321
A0224	22.40	22.17/22.63	0.873/0.891	1.72/1.88	0.068/0.074	0.074	0.0337
A0236	23.60	23.36/23.84	0.920/0.939	1.72/1.88	0.068/0.074	0.078	0.0354
A0250	25.00	24.76/25.24	0.975/0.994	1.72/1.88	0.068/0.074	0.082	0.0374
A0258	25.80	25.55/26.05	1.006/1.026	1.72/1.88	0.068/0.074	0.085	0.0385
A0265	26.50	26.25/26.75	1.033/1.053	1.72/1.88	0.068/0.074	0.087	0.0395
A0280	28.00	27.74/28.26	1.092/1.113	1.72/1.88	0.068/0.074	0.091	0.0415
A0300	30.00	29.73/30.27	1.170/1.192	1.72/1.88	0.068/0.074	0.098	0.0443
A0315	31.50	31.22/31.78	1.229/1.251	1.72/1.88	0.068/0.074	0.102	0.0464
A0325	32.50	32.21/32.79	1.268/1.291	1.72/1.88	0.068/0.074	0.105	0.0478
A0335	33.50	33.21/33.79	1.307/1.330	1.72/1.88	0.068/0.074	0.108	0.0492
A0345	34.50	34.20/34.80	1.346/1.370	1.72/1.88	0.068/0.074	0.111	0.0506
A0355	35.50	35.19/35.81	1.385/1.410	1.72/1.88	0.068/0.074	0.115	0.0520
A0365	36.50	36.19/36.81	1.425/1.449	1.72/1.88	0.068/0.074	0.118	0.0534
A0375	37.50	37.18/37.82	1.464/1.489	1.72/1.88	0.068/0.074	0.121	0.0548
A0387	38.70	38.38/39.02	1.511/1.536	1.72/1.88	0.068/0.074	0.124	0.0565
A0400	40.00	39.67/40.33	1.562/1.588	1.72/1.88	0.068/0.074	0.128	0.0583
A0412	41.20	40.86/41.54	1.609/1.635	1.72/1.88	0.068/0.074	0.132	0.0599
A0425	42.50	42.15/42.85	1.659/1.687	1.72/1.88	0.068/0.074	0.136	0.0618
A0437	43.70	43.35/44.05	1.707/1.734	1.72/1.88	0.068/0.074	0.140	0.0634
A0450	45.00	44.64/45.36	1.757/1.786	1.72/1.88	0.068/0.074	0.144	0.0652

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Table 1 - Part numbers and dimensions (continued)

Part Number	ØD (mm) Nom	ØD (mm) Range	ØD (Inches) Range	ØW (mm) Range	ØW (Inches) Range	Approx Mass lb/100	Approx Mass kg/100
A0475	47.50	47.12/47.88	1.855/1.885	1.72/1.88	0.068/0.074	0.151	0.0687
A0500	50.00	49.61/50.39	1.953/1.984	1.72/1.88	0.068/0.074	0.159	0.0722
A0530	53.00	52.59/53.41	2.070/2.103	1.72/1.88	0.068/0.074	0.168	0.0764
A0560	56.00	55.58/56.42	2.188/2.221	1.72/1.88	0.068/0.074	0.178	0.0806
A0600	60.00	59.55/60.45	2.344/2.380	1.72/1.88	0.068/0.074	0.190	0.0862
A0630	63.00	62.54/63.46	2.462/2.498	1.72/1.88	0.068/0.074	0.199	0.0903
A0670	67.00	66.51/67.49	2.619/2.657	1.72/1.88	0.068/0.074	0.211	0.0959
A0710	71.00	70.49/71.51	2.775/2.815	1.72/1.88	0.068/0.074	0.224	0.1015
A0750	75.00	74.47/75.53	2.932/2.974	1.72/1.88	0.068/0.074	0.236	0.1071
A0800	80.00	79.44/80.56	3.128/3.172	1.72/1.88	0.068/0.074	0.251	0.1140
A0850	85.00	84.41/85.59	3.323/3.370	1.72/1.88	0.068/0.074	0.267	0.1210
A0900	90.00	89.38/90.62	3.519/3.568	1.72/1.88	0.068/0.074	0.282	0.1280
A0950	95.00	94.36/95.64	3.715/3.765	1.72/1.88	0.068/0.074	0.297	0.1349
A1000	100.00	99.33/100.67	3.911/3.963	1.72/1.88	0.068/0.074	0.313	0.1419
A1060	106.00	105.29/106.71	4.145/4.201	1.72/1.88	0.068/0.074	0.331	0.1503
A1120	112.00	111.26/112.74	4.380/4.439	1.72/1.88	0.068/0.074	0.349	0.1586
A1180	118.00	117.23/118.77	4.615/4.676	1.72/1.88	0.068/0.074	0.368	0.1670
A1250	125.00	124.19/125.81	4.889/4.953	1.72/1.88	0.068/0.074	0.389	0.1768
B0045	4.50	4.37/4.63	0.172/0.182	2.56/2.74	0.101/0.108	0.048	0.0216
B0053	5.30	5.17/5.43	0.204/0.214	2.56/2.74	0.101/0.108	0.053	0.0240
B0060	6.00	5.87/6.13	0.231/0.241	2.56/2.74	0.101/0.108	0.057	0.0261
B0069	6.90	6.76/7.04	0.266/0.277	2.56/2.74	0.101/0.108	0.064	0.0289
B0080	8.00	7.86/8.14	0.309/0.320	2.56/2.74	0.101/0.108	0.071	0.0322
B0090	9.00	9.30/9.15	0.366/0.360	2.56/2.74	0.101/0.108	0.078	0.0352
B0095	9.50	9.80/9.65	0.386/0.380	2.56/2.74	0.101/0.108	0.081	0.0367
B0100	10.00	10.30/10.15	0.406/0.400	2.56/2.74	0.101/0.108	0.084	0.0382
B0106	10.60	10.92/10.76	0.430/0.424	2.56/2.74	0.101/0.108	0.088	0.0400
B0112	11.20	11.52/11.36	0.454/0.447	2.56/2.74	0.101/0.108	0.092	0.0418

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Table 1 - Part numbers and dimensions (continued)

Part Number	ØD (mm) Nom	ØD (mm) Range	ØD (Inches) Range	ØW (mm) Range	ØW (Inches) Range	Approx Mass lb/100	Approx Mass kg/100
B0118	11.80	11.63/11.97	0.458/0.471	2.56/2.74	0.101/0.108	0.096	0.0437
B0125	12.50	12.33/12.67	0.485/0.499	2.56/2.74	0.101/0.108	0.101	0.0458
B0132	13.20	13.03/13.37	0.513/0.526	2.56/2.74	0.101/0.108	0.106	0.0479
B0140	14.00	13.82/14.18	0.544/0.558	2.56/2.74	0.101/0.108	0.111	0.0503
B0150	15.00	14.82/15.18	0.583/0.598	2.56/2.74	0.101/0.108	0.117	0.0533
B0160	16.00	15.81/16.19	0.622/0.637	2.56/2.74	0.101/0.108	0.124	0.0564
B0170	17.00	16.80/17.20	0.661/0.677	2.56/2.74	0.101/0.108	0.131	0.0594
B0180	18.00	17.80/18.20	0.701/0.717	2.56/2.74	0.101/0.108	0.137	0.0624
B0190	19.00	18.79/19.21	0.740/0.756	2.56/2.74	0.101/0.108	0.144	0.0654
B0200	20.00	19.79/20.21	0.779/0.796	2.56/2.74	0.101/0.108	0.151	0.0684
B0212	21.20	20.98/21.42	0.826/0.843	2.56/2.74	.101/.108	0.159	0.0721
B0224	22.40	22.17/22.63	0.873/0.891	2.56/2.74	0.101/0.108	0.167	0.0757
B0236	23.60	23.36/23.84	0.920/0.939	2.56/2.74	0.101/0.108	0.175	0.0793
B0250	25.00	24.76/25.24	0.975/0.994	2.56/2.74	0.101/0.108	0.184	0.0835
B0258	25.80	25.55/26.05	1.006/1.026	2.56/2.74	0.101/0.108	0.189	0.0860
B0265	26.50	26.25/26.75	1.033/1.053	2.56/2.74	0.101/0.108	0.194	0.0881
B0280	28.00	27.74/28.26	1.092/1.113	2.56/2.74	0.101/0.108	0.204	0.0926
B0300	30.00	29.73/30.27	1.170/1.192	2.56/2.74	0.101/0.108	0.217	0.0987
B0315	31.50	31.22/31.78	1.229/1.251	2.56/2.74	0.101/0.108	0.227	0.1032
B0325	32.50	32.21/32.79	1.268/1.291	2.56/2.74	0.101/0.108	0.234	0.1062
B0335	33.50	33.21/33.79	1.307/1.330	2.56/2.74	0.101/0.108	0.241	0.1092
B0345	34.50	34.20/34.80	1.346/1.370	2.56/2.74	0.101/0.108	0.247	0.1123
B0355	35.50	35.19/35.81	1.385/1.410	2.56/2.74	0.101/0.108	0.254	0.1153
B0365	36.50	36.19/36.81	1.425/1.449	2.56/2.74	0.101/0.108	0.261	0.1183
B0375	37.50	37.18/37.82	1.464/1.489	2.56/2.74	0.101/0.108	0.267	0.1213
B0387	38.70	38.38/39.02	1.511/1.536	2.56/2.74	0.101/0.108	0.275	0.1249
B0400	40.00	39.67/40.33	1.562/1.588	2.56/2.74	0.101/0.108	0.284	0.1289
B0412	41.20	40.86/41.54	1.609/1.635	2.56/2.74	0.101/0.108	0.292	0.1325
B0425	42.50	42.15/42.85	1.659/1.687	2.56/2.74	0.101/0.108	0.300	0.1364
B0437	43.70	43.35/44.05	1.707/1.734	2.56/2.74	0.101/0.108	0.309	0.1401

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Table 1 - Part numbers and dimensions (continued)

Part Number	ØD (mm) Nom	ØD (mm) Range	ØD (Inches) Range	ØW (mm) Range	ØW (Inches) Range	Approx Mass lb/100	Approx Mass kg/100
B0450	45.00	44.64/45.36	1.757/1.786	2.56/2.74	0.101/0.108	0.317	0.1440
B0462	46.20	45.83/46.57	1.804/1.833	2.56/2.74	0.101/0.108	0.325	0.1476
B0475	47.50	47.12/47.88	1.855/1.885	2.56/2.74	0.101/0.108	0.334	0.1515
B0487	48.70	48.32/49.08	1.902/1.932	2.56/2.74	0.101/0.108	0.342	0.1552
B0500	50.00	49.61/50.39	1.953/1.984	2.56/2.74	0.101/0.108	0.350	0.1591
B0515	51.50	51.10/51.90	2.012/2.043	2.56/2.74	0.101/0.108	0.360	0.1636
B0530	53.00	52.59/53.41	2.070/2.103	2.56/2.74	0.101/0.108	0.370	0.1682
B0545	54.50	54.08/54.92	2.129/2.162	2.56/2.74	0.101/0.108	0.380	0.1727
B0560	56.00	55.58/56.42	2.188/2.221	2.56/2.74	0.101/0.108	0.390	0.1772
B0580	58.00	57.56/58.44	2.266/2.301	2.56/2.74	0.101/0.108	0.404	0.1833
B0600	60.00	59.55/60.45	2.344/2.380	2.56/2.74	0.101/0.108	0.417	0.1893
B0615	61.50	61.05/61.95	2.404/2.439	2.56/2.74	0.101/0.108	0.427	0.1938
B0630	63.00	62.54/63.46	2.462/2.498	2.56/2.74	0.101/0.108	0.437	0.1984
B0650	65.00	64.52/65.48	2.540/2.578	2.56/2.74	0.101/0.108	0.450	0.2044
B0670	67.00	66.51/67.49	2.619/2.657	2.56/2.74	0.101/0.108	0.464	0.2105
B0690	69.00	68.50/69.50	2.697/2.736	2.56/2.74	0.101/0.108	0.477	0.2165
B0710	71.00	70.49/71.51	2.775/2.815	2.56/2.74	0.101/0.108	0.490	0.2225
B0730	73.00	72.48/73.52	2.854/2.894	2.56/2.74	0.101/0.108	0.504	0.2286
B0750	75.00	74.47/75.53	2.932/2.974	2.56/2.74	0.101/0.108	0.517	0.2346
B0800	80.00	79.44/80.56	3.128/3.172	2.56/2.74	0.101/0.108	0.550	0.2497
B0850	85.00	84.41/85.59	3.323/3.370	2.56/2.74	0.101/0.108	0.583	0.2648
B0900	90.00	89.38/90.62	3.519/3.568	2.56/2.74	0.101/0.108	0.617	0.2800
B0950	95.00	94.36/95.64	3.715/3.765	2.56/2.74	0.101/0.108	0.650	0.2951
B1000	100.00	99.33/100.67	3.911/3.963	2.56/2.74	0.101/0.108	0.683	0.3102
B1060	106.00	105.29/106.71	4.145/4.201	2.56/2.74	0.101/0.108	0.723	0.3283
B1120	112.00	111.26/112.74	4.380/4.439	2.56/2.74	0.101/0.108	0.763	0.3464
B1180	118.00	117.23/118.77	4.615/4.676	2.56/2.74	0.101/0.108	0.803	0.3646
B1250	125.00	124.19/125.81	4.889/4.953	2.56/2.74	0.101/0.108	0.850	0.3857
B1320	132.00	131.15/132.85	5.163/5.230	2.56/2.74	0.101/0.108	0.896	0.4069
B1400	140.00	139.11/140.89	5.477/5.547	2.56/2.74	0.101/0.108	0.949	0.4310

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