

RATIONALE

FEDERAL SUPPLY CLASS
5330

MA3434 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

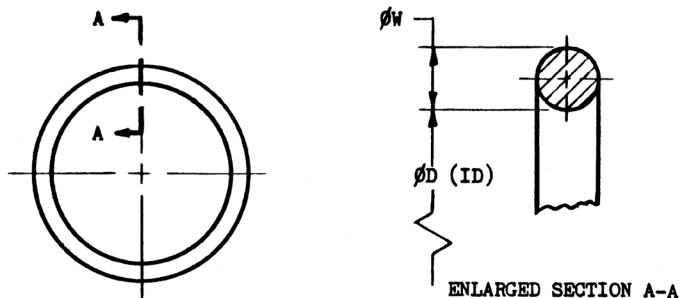
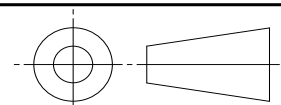


TABLE I. DIMENSIONS

W = 1.80 ± 0.08				W = 1.80 ± 0.08				W = 1.80 ± 0.08			
SIZE CODE	D	TOL ±	APPROX MASS kg/100	SIZE CODE	D	TOL ±	APPROX MASS kg/100	SIZE CODE	D	TOL ±	APPROX MASS kg/100
A0018	1.80	0.13	0.0039	A0125	12.50	0.17	0.0155	A0475	47.50	0.38	0.0535
A0020	2.00	0.13	0.0041	A0132	13.20	0.17	0.0162	A0500	50.00	0.39	0.0562
A0022	2.24	0.13	0.0044	A0140	14.00	0.18	0.0171	A0530	53.00	0.41	0.0594
A0025	2.50	0.13	0.0047	A0150	15.00	0.18	0.0182	A0560	56.00	0.42	0.0627
A0028	2.80	0.13	0.0050	A0160	16.00	0.19	0.0193	A0600	60.00	0.45	0.0670
A0031	3.15	0.13	0.0054	A0170	17.00	0.20	0.0204	A0630	63.00	0.46	0.0703
A0035	3.55	0.13	0.0058	A0180	18.00	0.20	0.0215	A0670	67.00	0.49	0.0746
A0037	3.75	0.13	0.0060	A0190	19.00	0.21	0.0226	A0710	71.00	0.51	0.0789
A0040	4.00	0.13	0.0063	A0200	20.00	0.21	0.0236	A0750	75.00	0.53	0.0833
A0045	4.50	0.13	0.0068	A0212	21.20	0.22	0.0249	A0800	80.00	0.56	0.0887
A0048	4.87	0.13	0.0072	A0224	22.40	0.23	0.0262	A0850	85.00	0.59	0.0941
A0050	5.00	0.13	0.0074	A0236	23.60	0.24	0.0275	A0900	90.00	0.62	0.0995
A0051	5.15	0.13	0.0075	A0250	25.00	0.24	0.0291	A0950	95.00	0.64	0.1050
A0053	5.30	0.13	0.0077	A0258	25.80	0.25	0.0299	A1000	100.00	0.67	0.1104
A0056	5.60	0.13	0.0080	A0265	26.50	0.25	0.0307	A1060	106.00	0.71	0.1169
A0060	6.00	0.13	0.0085	A0280	28.00	0.26	0.0323	A1120	112.00	0.74	0.1234
A0063	6.30	0.13	0.0088	A0300	30.00	0.27	0.0345	A1180	118.00	0.77	0.1299
A0067	6.70	0.13	0.0092	A0315	31.50	0.28	0.0361	A1250	125.00	0.81	0.1375
A0069	6.90	0.14	0.0094	A0325	32.50	0.29	0.0372	W = 2.65 ± 0.09			
A0071	7.10	0.14	0.0096	A0335	33.50	0.29	0.0383	B0045	4.50	0.13	0.0168
A0075	7.50	0.14	0.0101	A0345	34.50	0.30	0.0394	B0053	5.30	0.13	0.0187
A0080	8.00	0.14	0.0106	A0355	35.50	0.31	0.0404	B0060	6.00	0.13	0.0203
A0085	8.50	0.15	0.0112	A0365	36.50	0.31	0.0415	B0069	6.90	0.14	0.0224
A0087	8.75	0.15	0.0114	A0375	37.50	0.32	0.0426	B0080	8.00	0.14	0.0250
A0090	9.00	0.15	0.0117	A0387	38.70	0.32	0.0439	B0090	9.00	0.15	0.0274
A0095	9.50	0.15	0.0122	A0400	40.00	0.33	0.0453	B0095	9.50	0.15	0.0286
A0100	10.00	0.15	0.0128	A0412	41.20	0.34	0.0466	B0100	10.00	0.15	0.0297
A0106	10.60	0.16	0.0134	A0425	42.50	0.35	0.0480	B0106	10.60	0.16	0.0311
A0112	11.20	0.16	0.0141	A0437	43.70	0.35	0.0493	B0112	11.20	0.16	0.0326
A0118	11.80	0.17	0.0148	A0450	45.00	0.36	0.0508				

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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

METRIC AEROSPACE STANDARD

PACKING, PREFORMED - O-RING SEAL,
AMS 7273, METRIC

SAE MA3434
SHEET 1 OF 4

TABLE I. DIMENSIONS (CONTINUED)

W = 2.65 ± 0.09				W = 2.65 ± 0.09				W = 3.55 ± 0.10			
SIZE CODE	D		APPROX MASS kg/100	SIZE CODE	D		APPROX MASS kg/100	SIZE CODE	D		APPROX MASS kg/100
		TOL ±				TOL ±				TOL ±	
B0118	11.80	0.17	0.0340	B0850	85.00	0.59	0.2060	C0462	46.20	0.37	0.2098
B0125	12.50	0.17	0.0356	B0900	90.00	0.62	0.2177	C0475	47.50	0.38	0.2153
B0132	13.20	0.17	0.0372	B0950	95.00	0.64	0.2295	C0487	48.70	0.38	0.2204
B0140	14.00	0.18	0.0391	B1000	100.00	0.67	0.2412	C0500	50.00	0.39	0.2258
B0150	15.00	0.18	0.0415	B1060	106.00	0.71	0.2553	C0515	51.50	0.40	0.2322
B0160	16.00	0.19	0.0438	B1120	112.00	0.74	0.2694	C0530	53.00	0.41	0.2385
B0170	17.00	0.20	0.0462	B1180	118.00	0.77	0.2836	C0545	54.50	0.42	0.2448
B0180	18.00	0.20	0.0485	B1250	125.00	0.81	0.3000	C0560	56.00	0.42	0.2512
B0190	19.00	0.21	0.0509	B1320	132.00	0.85	0.3164	C0580	58.00	0.44	0.2596
B0200	20.00	0.21	0.0532	B1400	140.00	0.89	0.3352	C0600	60.00	0.45	0.2680
B0212	21.20	0.22	0.0560	B1500	150.00	0.95	0.3588	C0615	61.50	0.45	0.2744
B0224	22.40	0.23	0.0589	B1600	160.00	1.00	0.3822	C0630	63.00	0.46	0.2807
B0236	23.60	0.24	0.0617	B1700	170.00	1.06	0.4058	C0650	65.00	0.48	0.2891
B0250	25.00	0.24	0.0650	B1800	180.00	1.11	0.4293	C0670	67.00	0.49	0.2976
B0258	25.80	0.25	0.0669	B1900	190.00	1.17	0.4528	C0690	69.00	0.50	0.3060
B0265	26.50	0.25	0.0685	B2000	200.00	1.22	0.4763	C0710	71.00	0.51	0.3144
B0280	28.00	0.26	0.0720	B2120	212.00	1.29	0.5045	C0730	73.00	0.52	0.3228
B0300	30.00	0.27	0.0767	B2240	224.00	1.35	0.5327	C0750	75.00	0.53	0.3313
B0315	31.50	0.28	0.0803	B2360	236.00	1.42	0.5609	C0775	77.50	0.55	0.3418
B0325	32.50	0.29	0.0826	B2500	250.00	1.49	0.5938	C0800	80.00	0.56	0.3524
B0335	33.50	0.29	0.0850	W = 3.55 ± 0.10				C0825	82.50	0.57	0.3669
B0345	34.50	0.30	0.0873	C0140	14.00	0.18	0.0740	C0850	85.00	0.59	0.3735
B0355	35.50	0.31	0.0897	C0150	15.00	0.18	0.0782	C0875	87.50	0.60	0.3840
B0365	36.50	0.31	0.0920	C0160	16.00	0.19	0.0824	C0900	90.00	0.62	0.3946
B0375	37.50	0.32	0.0944	C0170	17.00	0.20	0.0867	C0925	92.50	0.63	0.4051
B0387	38.70	0.32	0.0972	C0180	18.00	0.20	0.0909	C0950	95.00	0.64	0.4156
B0400	40.00	0.33	0.1002	C0190	19.00	0.21	0.0951	C0975	97.50	0.66	0.4262
B0412	41.20	0.34	0.1030	C0200	20.00	0.21	0.0993	C1000	100.00	0.67	0.4367
B0425	42.50	0.35	0.1061	C0212	21.20	0.22	0.1044	C1030	103.00	0.69	0.4494
B0437	43.70	0.35	0.1089	C0224	22.40	0.23	0.1094	C1060	106.00	0.71	0.4620
B0450	45.00	0.36	0.1120	C0236	23.60	0.24	0.1145	C1090	109.00	0.72	0.4747
B0462	46.20	0.37	0.1148	C0250	25.00	0.24	0.1204	C1120	112.00	0.74	0.4873
B0475	47.50	0.38	0.1179	C0258	25.80	0.25	0.1238	C1150	115.00	0.76	0.5000
B0487	48.70	0.38	0.1207	C0265	26.50	0.25	0.1267	C1180	118.00	0.77	0.5126
B0500	50.00	0.39	0.1237	C0280	28.00	0.26	0.1331	C1220	122.00	0.80	0.5295
B0515	51.50	0.40	0.1273	C0300	30.00	0.27	0.1415	C1250	125.00	0.81	0.5422
B0530	53.00	0.41	0.1308	C0315	31.50	0.28	0.1478	C1280	128.00	0.83	0.5548
B0545	54.50	0.42	0.1343	C0325	32.50	0.29	0.1520	C1320	132.00	0.85	0.5717
B0560	56.00	0.42	0.1378	C0335	33.50	0.29	0.1563	C1360	136.00	0.87	0.5886
B0580	58.00	0.44	0.1425	C0345	34.50	0.30	0.1605	C1400	140.00	0.89	0.6055
B0600	60.00	0.45	0.1472	C0355	35.50	0.31	0.1647	C1450	145.00	0.92	0.6265
B0615	61.50	0.45	0.1508	C0365	36.50	0.31	0.1689	C1500	150.00	0.95	0.6476
B0630	63.00	0.46	0.1543	C0375	37.50	0.32	0.1731	C1550	155.00	0.98	0.6687
B0650	65.00	0.48	0.1590	C0387	38.70	0.32	0.1782	C1600	160.00	1.00	0.6898
B0670	67.00	0.49	0.1637	C0400	40.00	0.33	0.1837	C1650	165.00	1.03	0.7109
B0690	69.00	0.50	0.1684	C0412	41.20	0.34	0.1887	C1700	170.00	1.06	0.7320
B0710	71.00	0.51	0.1731	C0425	42.50	0.35	0.1942	C1750	175.00	1.09	0.7530
B0730	73.00	0.52	0.1778	C0437	43.70	0.35	0.1993	C1800	180.00	1.11	0.7741
B0750	75.00	0.53	0.1825	C0450	45.00	0.36	0.2048	C1850	185.00	1.14	0.7952
B0800	80.00	0.56	0.1942					C1900	190.00	1.17	0.8163

TABLE I. DIMENSIONS (CONTINUED)

W = 3.55 ± 0.10				W = 5.30 ± 0.13				W = 7.00 ± 0.15			
SIZE CODE	D		APPROX MASS kg/100	SIZE CODE	D		APPROX MASS kg/100	SIZE CODE	D		APPROX MASS kg/100
		TOL ±				TOL ±				TOL ±	
C1950	195.00	1.20	0.8374	D1030	103.00	0.69	1.0181	E2180	218.00	1.32	3.6896
C2000	200.00	1.22	0.8585	D1060	106.00	0.71	1.0463	E2240	224.00	1.35	3.7880
C2120	212.00	1.29	0.9091	D1090	109.00	0.72	1.0745	E2300	230.00	1.39	3.8864
C2240	224.00	1.35	0.9597	D1120	112.00	0.74	1.1027	E2360	236.00	1.42	3.9848
C2360	236.00	1.42	1.0103	D1150	115.00	0.76	1.1309	E2430	243.00	1.46	4.0996
C2500	250.00	1.49	1.0694	D1180	118.00	0.77	1.1591	E2500	250.00	1.49	4.2144
C2650	265.00	1.57	1.1326	D1220	122.00	0.80	1.1967	E2580	258.00	1.54	4.3456
C2800	280.00	1.65	1.1959	D1250	125.00	0.81	1.2249	E2650	265.00	1.57	4.4604
C3000	300.00	1.76	1.2802	D1280	128.00	0.83	1.2531	E2720	272.00	1.61	4.5752
C3150	315.00	1.84	1.3435	D1320	132.00	0.85	1.2907	E2800	280.00	1.65	4.7063
C3350	335.00	1.95	1.4279	D1360	136.00	0.87	1.3283	E2900	290.00	1.71	4.8703
C3550	355.00	2.06	1.5122	D1400	140.00	0.89	1.3659	E3000	300.00	1.76	5.0343
W = 5.30 ± 0.13				D1450	145.00	0.92	1.4129	E3070	307.00	1.80	5.1491
D0375	37.50	0.32	0.4024	D1500	150.00	0.95	1.4599	E3150	315.00	1.84	5.2803
D0387	38.70	0.32	0.4136	D1550	155.00	0.98	1.5069	E3250	325.00	1.90	5.4443
D0400	40.00	0.33	0.4258	D1600	160.00	1.00	1.5539	E3350	335.00	1.95	5.6082
D0412	41.20	0.34	0.4371	D1650	165.00	1.03	1.6009	E3450	345.00	2.00	5.7722
D0425	42.50	0.35	0.4494	D1700	170.00	1.06	1.6479	E3550	355.00	2.06	5.9362
D0437	43.70	0.35	0.4606	D1750	175.00	1.09	1.6949	E3650	365.00	2.11	6.1002
D0450	45.00	0.36	0.4728	D1800	180.00	1.11	1.7419	E3750	375.00	2.16	6.2642
D0462	46.20	0.37	0.4841	D1850	185.00	1.14	1.7889	E3870	387.00	2.23	6.4610
D0475	47.50	0.38	0.4964	D1900	190.00	1.17	1.8359	E4000	400.00	2.29	6.6741
D0487	48.70	0.38	0.5076	D1950	195.00	1.20	1.8830				
D0500	50.00	0.39	0.5198	D2000	200.00	1.22	1.9300				
D0515	51.50	0.40	0.5340	W = 7.00 ± 0.15							
D0530	53.00	0.41	0.5481	E1090	109.00	0.72	1.9022				
D0545	54.50	0.42	0.5622	E1120	112.00	0.74	1.9514				
D0560	56.00	0.42	0.5763	E1150	115.00	0.76	2.0006				
D0580	58.00	0.44	0.5951	E1180	118.00	0.77	2.0498				
D0600	60.00	0.45	0.6139	E1220	122.00	0.80	2.1154				
D0615	61.50	0.45	0.6280	E1250	125.00	0.81	2.1646				
D0630	63.00	0.46	0.6421	E1280	128.00	0.83	2.2138				
D0650	65.00	0.48	0.6609	E1320	132.00	0.85	2.2794				
D0670	67.00	0.49	0.6797	E1360	136.00	0.87	2.3450				
D0690	69.00	0.50	0.6985	E1400	140.00	0.89	2.4106				
D0710	71.00	0.51	0.7173	E1450	145.00	0.92	2.4926				
D0730	73.00	0.52	0.7361	E1500	150.00	0.95	2.5746				
D0750	75.00	0.53	0.7549	E1550	155.00	0.98	2.6565				
D0775	77.50	0.55	0.7784	E1600	160.00	1.00	2.7385				
D0800	80.00	0.56	0.8019	E1650	165.00	1.03	2.8205				
D0825	82.50	0.57	0.8254	E1700	170.00	1.06	2.9025				
D0850	85.00	0.59	0.8489	E1750	175.00	1.09	2.9845				
D0875	87.50	0.60	0.8724	E1800	180.00	1.11	3.0665				
D0900	90.00	0.62	0.8959	E1850	185.00	1.14	3.1485				
D0925	92.50	0.63	0.9194	E1900	190.00	1.17	3.2305				
D0950	95.00	0.64	0.9429	E1950	195.00	1.20	3.3125				
D0975	97.50	0.66	0.9664	E2000	200.00	1.22	3.3945				
D1000	100.00	0.67	0.9899	E2060	206.00	1.26	3.4929				
				E2120	212.00	1.29	3.5912				