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**REV.
B**

AS83485™

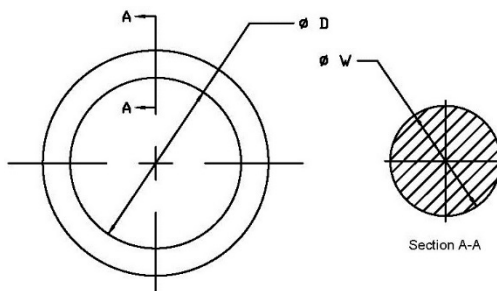
FEDERAL SUPPLY CLASS
5331

RATIONALE

A LIMITED SCOPE REVISION IS REQUIRED TO CORRECT DIMENSIONS FOR PART NUMBER M83485-013.

FOREWORD

THIS STANDARD ESTABLISHES THE DIMENSIONAL AND VISUAL QUALITY REQUIREMENTS, LOT REQUIREMENTS AND PACKAGING AND LABELING REQUIREMENTS FOR O-RINGS MOLDED FROM AMS7287 RUBBER. IT SHALL BE USED FOR PROCUREMENT PURPOSES.

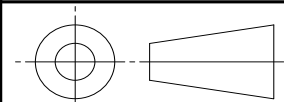


NOTE: DIMENSIONS AND TOLERANCING PER ASME Y14.5.

FIGURE 1 - O-RING DIMENSIONS: WIDTH (ØW) AND INSIDE DIAMETER (ØD)

For more information on this standard, visit
<https://www.sae.org/standards/content/AS83485B/>

THIRD ANGLE PROJECTION



CUSTODIAN: A-6/A-6C2

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

O-RING MOLDED FROM AMS7287 MATERIAL

AS83485™
SHEET 1 OF 12

**REV.
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TABLE 1 - PART NUMBERS AND DIMENSIONS

APP NOTE	PART NUMBER	ØD		ØD		ØW		ØW		APPROX MASS	
		(IN)		(MM)		(IN)		(MM)		(LB/100)	(KG/100)
	M83485/1-001	.025/	.033	0.635/	0.838	.037/	.043	0.940/1.092		.002	0.001
	M83485/1-002	.038/	.046	0.965/	1.168	.047/	.053	1.194/1.346		.004	0.002
	M83485/1-003	.052/	.060	1.321/	1.524	.057/	.063	1.448/1.600		.006	0.003
	M83485/1-004	.065/	.075	1.651/	1.905	.067/	.073	1.702/1.854		.011	0.005
	M83485/1-005	.096/	.106	2.438/	2.692	.067/	.073	1.702/1.854		.013	0.006
	M83485/1-006	.109/	.119	2.769/	3.023	.067/	.073	1.702/1.854		.014	0.006
	M83485/1-007	.140/	.150	3.556/	3.810	.067/	.073	1.702/1.854		.016	0.007
	M83485/1-008	.171/	.181	4.343/	4.597	.067/	.073	1.702/1.854		.019	0.008
	M83485/1-009	.203/	.213	5.156/	5.410	.067/	.073	1.702/1.854		.021	0.010
	M83485/1-010	.234/	.244	5.944/	6.198	.067/	.073	1.702/1.854		.024	0.011
	M83485/1-011	.296/	.306	7.518/	7.772	.067/	.073	1.702/1.854		.028	0.013
	M83485/1-012	.359/	.369	9.119/	9.373	.067/	.073	1.702/1.854		.033	0.015
(a)	M83485/1-013	.421/	.431	10.693/	10.947	.067/	.073	1.702/1.854		.038	0.017
	M83485/1-014	.484/	.494	12.294/	12.548	.067/	.073	1.702/1.854		.043	0.019
	M83485/1-015	.544/	.558	13.818/	14.173	.067/	.073	1.702/1.854		.047	0.021
	M83485/1-016	.605/	.623	15.367/	15.824	.067/	.073	1.702/1.854		.052	0.024
	M83485/1-017	.667/	.685	16.942/	17.399	.067/	.073	1.702/1.854		.057	0.026
	M83485/1-018	.730/	.748	18.542/	18.999	.067/	.073	1.702/1.854		.062	0.028
	M83485/1-019	.792/	.810	20.117/	20.574	.067/	.073	1.702/1.854		.066	0.030
	M83485/1-020	.855/	.873	21.717/	22.174	.067/	.073	1.702/1.854		.071	0.032
	M83485/1-021	.917/	.935	23.292/	23.749	.067/	.073	1.702/1.854		.076	0.034
	M83485/1-022	.979/	.999	24.867/	25.375	.067/	.073	1.702/1.854		.081	0.037
	M83485/1-023	1.041/1.061		26.441/	26.949	.067/	.073	1.702/1.854		.085	0.039
	M83485/1-024	1.104/1.124		28.042/	28.550	.067/	.073	1.702/1.854		.090	0.041
(b)	M83485/1-025	1.165/1.187		29.591/	30.150	.067/	.073	1.702/1.854		.095	0.043
	M83485/1-026	1.228/1.250		31.191/	31.750	.067/	.073	1.702/1.854		.100	0.045
	M83485/1-027	1.290/1.312		32.766/	33.325	.067/	.073	1.702/1.854		.104	0.047
	M83485/1-028	1.351/1.377		34.315/	34.976	.067/	.073	1.702/1.854		.109	0.050
	M83485/1-029	1.476/1.502		37.490/	38.151	.067/	.073	1.702/1.854		.119	0.054
	M83485/1-030	1.601/1.627		40.665/	41.326	.067/	.073	1.702/1.854		.128	0.058
	M83485/1-031	1.724/1.754		43.790/	44.552	.067/	.073	1.702/1.854		.138	0.063
	M83485/1-032	1.849/1.879		46.965/	47.727	.067/	.073	1.702/1.854		.147	0.067
	M83485/1-033	1.971/2.007		50.063/	50.978	.067/	.073	1.702/1.854		.157	0.071
	M83485/1-034	2.096/2.132		53.238/	54.153	.067/	.073	1.702/1.854		.166	0.075
	M83485/1-035	2.221/2.257		56.413/	57.328	.067/	.073	1.702/1.854		.176	0.080
	M83485/1-036	2.346/2.382		59.588/	60.503	.067/	.073	1.702/1.854		.185	0.084
	M83485/1-037	2.471/2.507		62.763/	63.678	.067/	.073	1.702/1.854		.195	0.088
	M83485/1-038	2.594/2.634		65.888/	66.904	.067/	.073	1.702/1.854		.204	0.093
	M83485/1-039	2.719/2.759		69.063/	70.079	.067/	.073	1.702/1.854		.214	0.097
	M83485/1-040	2.844/2.884		72.238/	73.254	.067/	.073	1.702/1.854		.223	0.101
	M83485/1-041	2.965/3.013		75.311/	76.530	.067/	.073	1.702/1.854		.233	0.106
	M83485/1-042	3.215/3.263		81.661/	82.880	.067/	.073	1.702/1.854		.252	0.114
	M83485/1-043	3.465/3.513		88.011/	89.230	.067/	.073	1.702/1.854		.271	0.123
	M83485/1-044	3.712/3.766		94.285/	95.656	.067/	.073	1.702/1.854		.290	0.132
	M83485/1-045	3.962/4.016		100.635/102.006		.067/	.073	1.702/1.854		.309	0.140
	M83485/1-046	4.209/4.269		106.909/108.433		.067/	.073	1.702/1.854		.328	0.149
	M83485/1-047	4.459/4.519		113.259/114.783		.067/	.073	1.702/1.854		.347	0.158
	M83485/1-048	4.709/4.769		119.609/121.133		.067/	.073	1.702/1.854		.366	0.166
	M83485/1-049	4.952/5.026		125.781/127.660		.067/	.073	1.702/1.854		.385	0.175
	M83485/1-050	5.202/5.276		132.131/134.010		.067/	.073	1.702/1.854		.404	0.183



AEROSPACE STANDARD

O-RING MOLDED FROM AMS7287 MATERIAL

AS83485™
SHEET 2 OF 12REV.
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TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD	ØD	ØW	ØW	APPROX MASS	
		(IN)	(MM)	(IN)	(MM)	(LB/100)	(KG/100)
	M83485/1-102	.044/ .054	1.118/ 1.372	.100/ .106	2.540/2.692	.025	0.011
	M83485/1-103	.076/ .086	1.930/ 2.184	.100/ .106	2.540/2.692	.030	0.014
	M83485/1-104	.107/ .117	2.718/ 2.972	.100/ .106	2.540/2.692	.035	0.016
	M83485/1-105	.138/ .148	3.505/ 3.759	.100/ .106	2.540/2.692	.041	0.018
	M83485/1-106	.169/ .179	4.293/ 4.547	.100/ .106	2.540/2.692	.046	0.021
	M83485/1-107	.201 / .211	5.105/ 5.359	.100/ .106	2.540/2.692	.051	0.023
	M83485/1-108	.232/ .242	5.893/ 6.147	.100/ .106	2.540/2.692	.056	0.025
	M83485/1-109	.294/ .304	7.468/ 7.722	.100/ .106	2.540/2.692	.066	0.030
	M83485/1-110	.357/ .367	9.068/ 9.322	.100/ .106	2.540/2.692	.077	0.035
	M83485/1-111	.419/ .429	10.643/10.897	.100/ .106	2.540/2.692	.087	0.039
	M83485/1-112	.482/ .492	12.243/12.497	.100/ .106	2.540/2.692	.097	0.044
	M83485/1-113	.542/ .556	13.767/14.122	.100/ .106	2.540/2.692	.108	0.049
	M83485/1-114	.603/ .621	15.316/15.773	.100/ .106	2.540/2.692	.118	0.053
	M83485/1-115	.665/ .683	16.891/17.348	.100/ .106	2.540/2.692	.128	0.058
	M83485/1-116	.728/ .746	18.491/18.948	.100/ .106	2.540/2.692	.139	0.063
(a)	M83485/1-117	.789/ .809	20.041/20.549	.100/ .106	2.540/2.692	.149	0.067
	M83485/1-118	.852/ .872	21.641/22.149	.100/ .106	2.540/2.692	.159	0.072
	M83485/1-119	.914/ .934	23.216/23.724	.100/ .106	2.540/2.692	.169	0.077
	M83485/1-120	.977/ .997	24.816/25.324	.100/ .106	2.540/2.692	.180	0.082
	M83485/1-121	1.039/1.059	26.391/26.899	.100/ .106	2.540/2.692	.190	0.086
	M83485/1-122	1.102/1.122	27.991/28.499	.100/ .106	2.540/2.692	.200	0.091
	M83485/1-123	1.162/1.186	29.515/30.124	.100/ .106	2.540/2.692	.211	0.096
	M83485/1-124	1.225/1.249	31.115/31.725	.100/ .106	2.540/2.692	.221	0.100
	M83485/1-125	1.287/1.311	32.690/33.299	.100/ .106	2.540/2.692	.231	0.105
	M83485/1-126	1.350/1.374	34.290/34.900	.100/ .106	2.540/2.692	.242	0.110
	M83485/1-127	1.412/1.436	35.865/36.474	.100/ .106	2.540/2.692	.252	0.114
	M83485/1-128	1.475/1.499	37.465/38.075	.100/ .106	2.540/2.692	.262	0.119
	M83485/1-129	1.534/1.564	38.964/39.726	.100/ .106	2.540/2.692	.272	0.124
	M83485/1-130	1.597/1.627	40.564/41.326	.100/ .106	2.540/2.692	.283	0.128
	M83485/1-131	1.659/1.689	42.139/42.901	.100/ .106	2.540/2.692	.293	0.133
	M83485/1-132	1.722/1.752	43.739/44.501	.100/ .106	2.540/2.692	.303	0.138
	M83485/1-133	1.784/1.814	45.314/46.076	.100/ .106	2.540/2.692	.314	0.142
	M83485/1-134	1.847/1.877	46.914/47.676	.100/ .106	2.540/2.692	.324	0.147
	M83485/1-135	1.908/1.942	48.463/49.327	.100/ .106	2.540/2.692	.334	0.152
	M83485/1-136	1.970/2.004	50.038/50.902	.100/ .106	2.540/2.692	.345	0.156
	M83485/1-137	2.033/2.067	51.638/52.502	.100/ .106	2.540/2.692	.355	0.161
	M83485/1-138	2.095/2.129	53.213/54.077	.100/ .106	2.540/2.692	.365	0.166
	M83485/1-139	2.158/2.192	54.813/55.677	.100/ .106	2.540/2.692	.376	0.170
	M83485/1-140	2.220/2.254	56.388/57.252	.100/ .106	2.540/2.692	.386	0.175
	M83485/1-141	2.280/2.320	57.912/58.928	.100/ .106	2.540/2.692	.396	0.180
	M83485/1-142	2.342/2.382	59.487/60.503	.100/ .106	2.540/2.692	.407	0.184
	M83485/1-143	2.405/2.445	61.087/62.103	.100/ .106	2.540/2.692	.417	0.189
	M83485/1-144	2.467/2.507	62.662/63.678	.100/ .106	2.540/2.692	.427	0.194
	M83485/1-145	2.530/2.570	64.262/65.278	.100/ .106	2.540/2.692	.438	0.198
	M83485/1-146	2.592/2.632	65.837/66.853	.100/ .106	2.540/2.692	.448	0.203
	M83485/1-147	2.653/2.697	67.386/68.504	.100/ .106	2.540/2.692	.458	0.208
	M83485/1-148	2.715/2.759	68.961/70.079	.100/ .106	2.540/2.692	.468	0.212
	M83485/1-149	2.778/2.822	70.561/71.679	.100/ .106	2.540/2.692	.479	0.217
	(b) M83485/1-150	2.840/2.884	72.136/73.254	.100/ .106	2.540/2.692	.489	0.222

TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD	ØD	ØW	ØW	APPROX MASS	
		(IN)	(MM)	(IN)	(MM)	(LB/100)	(KG/100)
(b)	M83485/1-151	2.963/3.011	75.260/ 76.479	.100/ .106	2.540/2.692	.510	0.231
	M83485/1-152	3.213/3.261	81.610/ 82.829	.100/ .106	2.540/2.692	.551	0.250
	M83485/1-153	3.463/3.511	87.960/ 89.179	.100/ .106	2.540/2.692	.592	0.269
	M83485/1-154	3.709/3.765	94.209/ 95.631	.100/ .106	2.540/2.692	.633	0.287
	M83485/1-155	3.959/4.015	100.559/101.981	.100/ .106	2.540/2.692	.674	0.306
	M83485/1-156	4.207/4.267	106.858/108.382	.100/ .106	2.540/2.692	.716	0.325
	M83485/1-157	4.457/4.517	113.208/114.732	.100/ .106	2.540/2.692	.757	0.343
	M83485/1-158	4.707/4.767	119.558/121.082	.100/ .106	2.540/2.692	.798	0.362
	M83485/1-159	4.952/5.022	125.781/127.559	.100/ .106	2.540/2.692	.839	0.381
	M83485/1-160	5.202/5.272	132.131/133.909	.100/ .106	2.540/2.692	.881	0.399
	M83485/1-161	5.452/5.522	138.481/140.259	.100/ .106	2.540/2.692	.922	0.418
	M83485/1-162	5.702/5.772	144.831/146.609	.100/ .106	2.540/2.692	.963	0.437
	M83485/1-163	5.952/6.022	151.181/152.959	.100/ .106	2.540/2.692	1.004	0.456
	M83485/1-164	6.197/6.277	157.404/159.436	.100/ .106	2.540/2.692	1.046	0.474
	M83485/1-165	6.447/6.527	163.754/165.786	.100/ .106	2.540/2.692	1.087	0.493
	M83485/1-166	6.697/6.777	170.104/172.136	.100/ .106	2.540/2.692	1.128	0.512
	M83485/1-167	6.947/7.027	176.454/178.486	.100/ .106	2.540/2.692	1.169	0.530
	M83485/1-168	7.192/7.282	182.677/184.963	.100/ .106	2.540/2.692	1.210	0.549
	M83485/1-169	7.442/7.532	189.027/191.313	.100/ .106	2.540/2.692	1.252	0.568
	M83485/1-170	7.692/7.782	195.377/197.663	.100/ .106	2.540/2.692	1.293	0.586
	M83485/1-171	7.942/8.032	201.727/204.013	.100/ .106	2.540/2.692	1.334	0.605
	M83485/1-172	8.187/8.287	207.950/210.490	.100/ .106	2.540/2.692	1.375	0.624
	M83485/1-173	8.437/8.537	214.300/216.840	.100/ .106	2.540/2.692	1.417	0.643
	M83485/1-174	8.687/8.787	220.650/223.190	.100/ .106	2.540/2.692	1.458	0.661
	M83485/1-175	8.937/9.037	227.000/229.540	.100/ .106	2.540/2.692	1.499	0.680
	M83485/1-176	9.182/9.292	233.223/236.017	.100/ .106	2.540/2.692	1.540	0.699
	M83485/1-177	9.432/9.542	239.573/242.367	.100/ .106	2.540/2.692	1.582	0.717
	M83485/1-178	9.682/9.792	245.923/248.717	.100/ .106	2.540/2.692	1.623	0.736
	M83485/1-201	.166/ .176	4.216/ 4.470	.135/ .143	3.429/3.632	.093	0.042
	M83485/1-202	.229/ .239	5.817/ 6.071	.135/ .143	3.429/3.632	.112	0.051
	M83485/1-203	.291/ .301	7.391/ 7.645	.135/ .143	3.429/3.632	.131	0.059
	M83485/1-204	.354/ .364	8.992/ 9.246	.135/ .143	3.429/3.632	.150	0.068
	M83485/1-205	.416/ .426	10.566/ 10.820	.135/ .143	3.429/3.632	.168	0.076
	M83485/1-206	.479/ .489	12.167/ 12.421	.135/ .143	3.429/3.632	.187	0.085
	M83485/1-207	.539/ .553	13.691/ 14.046	.135/ .143	3.429/3.632	.206	0.093
	M83485/1-208	.600/ .618	15.240/ 15.697	.135/ .143	3.429/3.632	.225	0.102
	M83485/1-209	.662/ .680	16.815/ 17.272	.135/ .143	3.429/3.632	.243	0.110
	M83485/1-210	.724/ .744	18.390/ 18.898	.135/ .143	3.429/3.632	.262	0.119
	M83485/1-211	.786/ .806	19.964/ 20.472	.135/ .143	3.429/3.632	.281	0.127
	M83485/1-212	.849/ .869	21.565/ 22.073	.135/ .143	3.429/3.632	.300	0.136
	M83485/1-213	.911/ .931	23.139/ 23.647	.135/ .143	3.429/3.632	.318	0.144
	M83485/1-214	.974/ .994	24.740/ 25.248	.135/ .143	3.429/3.632	.337	0.153
	M83485/1-215	1.036/1.056	26.314/ 26.822	.135/ .143	3.429/3.632	.356	0.161
	M83485/1-216	1.097/1.121	27.864/ 28.473	.135/ .143	3.429/3.632	.375	0.170
	M83485/1-217	1.159/1.183	29.439/ 30.048	.135/ .143	3.429/3.632	.393	0.178
	M83485/1-218	1.222/1.246	31.039/ 31.648	.135/ .143	3.429/3.632	.412	0.187
	M83485/1-219	1.284/1.308	32.614/ 33.223	.135/ .143	3.429/3.632	.431	0.195
	M83485/1-220	1.347/1.371	34.214/ 34.823	.135/ .143	3.429/3.632	.450	0.204



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AS83485™
SHEET 4 OF 12REV.
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TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD	ØD	ØW	ØW	APPROX MASS	
		(IN)	(MM)	(IN)	(MM)	(LB/100)	(KG/100)
	M83485/1-221	1.409/1.433	35.789/ 36.398	.135/ .143	3.429/3.632	.469	0.213
	M83485/1-222	1.469/1.499	37.313/ 38.075	.135/ .143	3.429/3.632	.487	0.221
	M83485/1-223	1.594/1.624	40.488/ 41.250	.135/ .143	3.429/3.632	.525	0.238
	M83485/1-224	1.719/1.749	43.663/ 44.425	.135/ .143	3.429/3.632	.563	0.255
	M83485/1-225	1.841/1.877	46.761/ 47.676	.135/ .143	3.429/3.632	.600	0.272
	M83485/1-226	1.966/2.002	49.936/ 50.851	.135/ .143	3.429/3.632	.638	0.289
	M83485/1-227	2.091/2.127	53.111/ 54.026	.135/ .143	3.429/3.632	.675	0.306
	M83485/1-228	2.214/2.254	56.236/ 57.252	.135/ .143	3.429/3.632	.713	0.323
	M83485/1-229	2.339/2.379	59.411/ 60.427	.135/ .143	3.429/3.632	.750	0.340
	M83485/1-230	2.464/2.504	62.586/ 63.602	.135/ .143	3.429/3.632	.788	0.357
	M83485/1-231	2.589/2.629	65.761/ 66.777	.135/ .143	3.429/3.632	.825	0.374
	M83485/1-232	2.710/2.758	68.834/ 70.053	.135/ .143	3.429/3.632	.863	0.391
	M83485/1-233	2.835/2.883	72.009/ 73.228	.135/ .143	3.429/3.632	.900	0.408
(a)	M83485/1-234	2.960/3.008	75.184/ 76.403	.135/ .143	3.429/3.632	.938	0.425
	M83485/1-235	3.085/3.133	78.359/ 79.578	.135/ .143	3.429/3.632	.976	0.442
	M83485/1-236	3.210/3.258	81.534/ 82.753	.135/ .143	3.429/3.632	1.013	0.460
	M83485/1-237	3.335/3.383	84.709/ 85.928	.135/ .143	3.429/3.632	1.051	0.477
	M83485/1-238	3.460/3.508	87.884/ 89.103	.135/ .143	3.429/3.632	1.088	0.494
	M83485/1-239	3.581/3.637	90.957/ 92.380	.135/ .143	3.429/3.632	1.126	0.511
	M83485/1-240	3.706/3.762	94.132/ 95.555	.135/ .143	3.429/3.632	1.163	0.528
	M83485/1-241	3.831/3.887	97.307/ 98.730	.135/ .143	3.429/3.632	1.201	0.545
	M83485/1-242	3.956/4.012	100.482/101.905	.135/ .143	3.429/3.632	1.238	0.562
	M83485/1-243	4.081/4.137	103.657/105.080	.135/ .143	3.429/3.632	1.276	0.579
	M83485/1-244	4.204/4.264	106.782/108.306	.135/ .143	3.429/3.632	1.313	0.596
	M83485/1-245	4.329/4.389	109.957/111.481	.135/ .143	3.429/3.632	1.351	0.613
	M83485/1-246	4.454/4.514	113.132/114.656	.135/ .143	3.429/3.632	1.388	0.630
	M83485/1-247	4.579/4.639	116.307/117.831	.135/ .143	3.429/3.632	1.426	0.647
	M83485/1-248	4.704/4.764	119.482/121.006	.135/ .143	3.429/3.632	1.464	0.664
	M83485/1-249	4.824/4.894	122.530/124.308	.135/ .143	3.429/3.632	1.501	0.681
	M83485/1-250	4.949/5.019	125.705/127.483	.135/ .143	3.429/3.632	1.539	0.698
	M83485/1-251	5.074/5.144	128.880/130.658	.135/ .143	3.429/3.632	1.576	0.715
	M83485/1-252	5.199/5.269	132.055/133.833	.135/ .143	3.429/3.632	1.614	0.732
	M83485/1-253	5.324/5.394	135.230/137.008	.135/ .143	3.429/3.632	1.651	0.749
	M83485/1-254	5.449/5.519	138.405/140.183	.135/ .143	3.429/3.632	1.689	0.766
	M83485/1-255	5.574/5.644	141.580/143.358	.135/ .143	3.429/3.632	1.726	0.783
	M83485/1-256	5.699/5.769	144.755/146.533	.135/ .143	3.429/3.632	1.764	0.800
	M83485/1-257	5.824/5.894	147.930/149.708	.135/ .143	3.429/3.632	1.801	0.817
	M83485/1-258	5.949/6.019	151.105/152.883	.135/ .143	3.429/3.632	1.839	0.834
(b)	M83485/1-259	6.194/6.274	157.328/159.360	.135/ .143	3.429/3.632	1.914	0.868
	M83485/1-260	6.444/6.524	163.678/165.710	.135/ .143	3.429/3.632	1.989	0.902
	M83485/1-261	6.694/6.774	170.028/172.060	.135/ .143	3.429/3.632	2.064	0.936
	M83485/1-262	6.944/7.024	176.378/178.410	.135/ .143	3.429/3.632	2.139	0.970
	M83485/1-263	7.189/7.279	182.601/184.887	.135/ .143	3.429/3.632	2.214	1.004
	M83485/1-264	7.439/7.529	188.951/191.237	.135/ .143	3.429/3.632	2.289	1.039
	M83485/1-265	7.689/7.779	195.301/197.587	.135/ .143	3.429/3.632	2.365	1.073
	M83485/1-266	7.939/8.029	201.651/203.937	.135/ .143	3.429/3.632	2.440	1.107
	M83485/1-267	8.184/8.284	207.874/210.414	.135/ .143	3.429/3.632	2.515	1.141
	M83485/1-268	8.434/8.534	214.224/216.764	.135/ .143	3.429/3.632	2.590	1.175
	M83485/1-269	8.684/8.784	220.574/223.114	.135/ .143	3.429/3.632	2.665	1.209
	M83485/1-270	8.934/9.034	226.924/229.464	.135/ .143	3.429/3.632	2.740	1.243



AEROSPACE STANDARD

O-RING MOLDED FROM AMS7287 MATERIAL

AS83485™
SHEET 5 OF 12

**REV.
B**

TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD	ØD	ØW	ØW	APPROX MASS	
		(IN)	(MM)	(IN)	(MM)	(LB/100)	(KG/100)
(b)	M83485/1-271	9.179/ 9.289	233.147/235.941	.135/ .143	3.429/3.632	2.815	1.277
	M83485/1-272	9.429/ 9.539	239.497/242.291	.135/ .143	3.429/3.632	2.890	1.311
	M83485/1-273	9.679/ 9.789	245.847/248.641	.135/ .143	3.429/3.632	2.965	1.345
	M83485/1-274	9.929/10.039	252.197/254.991	.135/ .143	3.429/3.632	3.040	1.379
	M83485/1-275	10.429/10.539	264.897/267.691	.135/ .143	3.429/3.632	3.190	1.447
	M83485/1-276	10.919/11.049	277.343/280.645	.135/ .143	3.429/3.632	3.341	1.515
	M83485/1-277	11.419/11.549	290.043/293.345	.135/ .143	3.429/3.632	3.491	1.583
	M83485/1-278	11.919/12.049	302.743/306.045	.135/ .143	3.429/3.632	3.641	1.652
	M83485/1-279	12.919/13.049	328.143/331.445	.135/ .143	3.429/3.632	3.941	1.788
	M83485/1-280	13.919/14.049	353.543/356.845	.135/ .143	3.429/3.632	4.242	1.924
	M83485/1-281	14.919/15.049	378.943/382.245	.135/ .143	3.429/3.632	4.542	2.060
	M83485/1-282	15.880/16.030	403.352/407.162	.135/ .143	3.429/3.632	4.834	2.193
	M83485/1-283	16.875/17.035	428.625/432.689	.135/ .143	3.429/3.632	5.134	2.329
	M83485/1-284	17.870/18.040	453.898/458.216	.135/ .143	3.429/3.632	5.434	2.465
	M83485/1-309	.407/ .417	10.338/ 10.592	.205/ .215	5.207/5.461	.426	0.193
	M83485/1-310	.470/ .480	11.938/ 12.192	.205/ .215	5.207/5.461	.470	0.213
	M83485/1-311	.530/ .544	13.462/ 13.818	.205/ .215	5.207/5.461	.512	0.232
	M83485/1-312	.591/ .609	15.011/ 15.469	.205/ .215	5.207/5.461	.555	0.252
	M83485/1-313	.653/ .671	16.586/ 17.043	.205/ .215	5.207/5.461	.598	0.271
	M83485/1-314	.715/ .735	18.161/ 18.669	.205/ .215	5.207/5.461	.641	0.291
	M83485/1-315	.777/ .797	19.736/ 20.244	.205/ .215	5.207/5.461	.683	0.310
	M83485/1-316	.840/ .860	21.336/ 21.844	.205/ .215	5.207/5.461	.727	0.330
	M83485/1-317	.902/ .922	22.911/ 23.419	.205/ .215	5.207/5.461	.769	0.349
	M83485/1-318	.965/ .985	24.511/ 25.019	.205/ .215	5.207/5.461	.812	0.368
	M83485/1-319	1.027/ 1.047	26.086/ 26.594	.205/ .215	5.207/5.461	.855	0.388
	M83485/1-320	1.088/ 1.112	27.635/ 28.245	.205/ .215	5.207/5.461	.898	0.407
	M83485/1-321	1.150/ 1.174	29.210/ 29.820	.205/ .215	5.207/5.461	.941	0.427
	M83485/1-322	1.213/ 1.237	30.810/ 31.420	.205/ .215	5.207/5.461	.984	0.446
	M83485/1-323	1.275/ 1.299	32.385/ 32.995	.205/ .215	5.207/5.461	1.026	0.465
	M83485/1-324	1.338/ 1.362	33.985/ 34.595	.205/ .215	5.207/5.461	1.069	0.485
	M83485/1-325	1.460/ 1.490	37.084/ 37.846	.205/ .215	5.207/5.461	1.155	0.524
	M83485/1-326	1.585/ 1.615	40.259/ 41.021	.205/ .215	5.207/5.461	1.241	0.563
	M83485/1-327	1.710/ 1.740	43.434/ 44.196	.205/ .215	5.207/5.461	1.326	0.602
	M83485/1-328	1.835/ 1.865	46.609/ 47.371	.205/ .215	5.207/5.461	1.412	0.641
	M83485/1-329	1.957/ 1.993	49.708/ 50.622	.205/ .215	5.207/5.461	1.498	0.679
	M83485/1-330	2.082/ 2.118	52.883/ 53.797	.205/ .215	5.207/5.461	1.584	0.718
	M83485/1-331	2.207/ 2.243	56.058/ 56.972	.205/ .215	5.207/5.461	1.669	0.757
	M83485/1-332	2.332/ 2.368	59.233/ 60.147	.205/ .215	5.207/5.461	1.755	0.796
	M83485/1-333	2.455/ 2.495	62.357/ 63.373	.205/ .215	5.207/5.461	1.841	0.835
	M83485/1-334	2.580/ 2.620	65.532/ 66.548	.205/ .215	5.207/5.461	1.926	0.874
	M83485/1-335	2.705/ 2.745	68.707/ 69.723	.205/ .215	5.207/5.461	2.012	0.913
	M83485/1-336	2.830/ 2.870	71.882/ 72.898	.205/ .215	5.207/5.461	2.098	0.952
	M83485/1-337	2.951/ 2.999	74.955/ 76.175	.205/ .215	5.207/5.461	2.183	0.990
	M83485/1-338	3.076/ 3.124	78.130/ 79.350	.205/ .215	5.207/5.461	2.269	1.029
	M83485/1-339	3.201/ 3.249	81.305/ 82.525	.205/ .215	5.207/5.461	2.355	1.068
	M83485/1-340	3.326/ 3.374	84.480/ 85.700	.205/ .215	5.207/5.461	2.440	1.107



AEROSPACE STANDARD

O-RING MOLDED FROM AMS7287 MATERIAL

AS83485™
SHEET 6 OF 12

**REV.
B**

TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD	ØD	ØW	ØW	APPROX MASS	
		(IN)	(MM)	(IN)	(MM)	(LB/100)	(KG/100)
	M83485/1-341	3.451/ 3.499	87.655/ 88.875	.205/ .215	5.207/5.461	2.526	1.146
	M83485/1-342	3.572/ 3.628	90.729/ 92.151	.205/ .215	5.207/5.461	2.612	1.185
	M83485/1-343	3.697/ 3.753	93.904/ 95.326	.205/ .215	5.207/5.461	2.698	1.224
	M83485/1-344	3.822/ 3.878	97.079/ 98.501	.205/ .215	5.207/5.461	2.783	1.262
	M83485/1-345	3.947/ 4.003	100.254/101.676	.205/ .215	5.207/5.461	2.869	1.301
	M83485/1-346	4.072/ 4.128	103.429/104.851	.205/ .215	5.207/5.461	2.955	1.340
	M83485/1-347	4.195/ 4.255	106.553/108.077	.205/ .215	5.207/5.461	3.040	1.379
	M83485/1-348	4.320/ 4.380	109.728/111.252	.205/ .215	5.207/5.461	3.126	1.418
	M83485/1-349	4.445/ 4.505	112.903/114.427	.205/ .215	5.207/5.461	3.212	1.457
(b)	M83485/1-350	4.570/ 4.630	116.078/117.602	.205/ .215	5.207/5.461	3.297	1.496
	M83485/1-351	4.695/ 4.755	119.253/120.777	.205/ .215	5.207/5.461	3.383	1.535
	M83485/1-352	4.820/ 4.880	122.428/123.952	.205/ .215	5.207/5.461	3.469	1.573
	M83485/1-353	4.938/ 5.012	125.425/127.305	.205/ .215	5.207/5.461	3.554	1.612
	M83485/1-354	5.063/ 5.137	128.600/130.480	.205/ .215	5.207/5.461	3.640	1.651
	M83485/1-355	5.188/ 5.262	131.775/133.655	.205/ .215	5.207/5.461	3.726	1.690
	M83485/1-356	5.313/ 5.387	134.950/136.830	.205/ .215	5.207/5.461	3.811	1.729
	M83485/1-357	5.438/ 5.512	138.125/140.005	.205/ .215	5.207/5.461	3.897	1.768
	M83485/1-358	5.563/ 5.637	141.300/143.180	.205/ .215	5.207/5.461	3.983	1.807
	M83485/1-359	5.688/ 5.762	144.475/146.355	.205/ .215	5.207/5.461	4.069	1.845
	M83485/1-360	5.813/ 5.887	147.650/149.530	.205/ .215	5.207/5.461	4.154	1.884
	M83485/1-361	5.938/ 6.012	150.825/152.705	.205/ .215	5.207/5.461	4.240	1.923
	M83485/1-362	6.185/ 6.265	157.099/159.131	.205/ .215	5.207/5.461	4.411	2.001
	M83485/1-363	6.435/ 6.515	163.449/165.481	.205/ .215	5.207/5.461	4.583	2.079
	M83485/1-364	6.685/ 6.765	169.799/171.831	.205/ .215	5.207/5.461	4.754	2.156
	M83485/1-365	6.935/ 7.015	176.149/178.181	.205/ .215	5.207/5.461	4.925	2.234
	M83485/1-366	7.180/ 7.270	182.372/184.658	.205/ .215	5.207/5.461	5.097	2.312
	M83485/1-367	7.430/ 7.520	188.722/191.008	.205/ .215	5.207/5.461	5.268	2.390
	M83485/1-368	7.680/ 7.770	195.072/197.358	.205/ .215	5.207/5.461	5.440	2.467
	M83485/1-369	7.930/ 8.020	201.422/203.708	.205/ .215	5.207/5.461	5.611	2.545
	M83485/1-370	8.175/ 8.275	207.645/210.185	.205/ .215	5.207/5.461	5.782	2.623
	M83485/1-371	8.425/ 8.525	213.995/216.535	.205/ .215	5.207/5.461	5.954	2.701
	M83485/1-372	8.675/ 8.775	220.345/222.885	.205/ .215	5.207/5.461	6.125	2.778
	M83485/1-373	8.925/ 9.025	226.695/229.235	.205/ .215	5.207/5.461	6.297	2.856
	M83485/1-374	9.170/ 9.280	232.918/235.712	.205/ .215	5.207/5.461	6.468	2.934
	M83485/1-375	9.420/ 9.530	239.268/242.062	.205/ .215	5.207/5.461	6.639	3.012
	M83485/1-376	9.670/ 9.780	245.618/248.412	.205/ .215	5.207/5.461	6.811	3.089
	M83485/1-377	9.920/10.030	251.968/254.762	.205/ .215	5.207/5.461	6.982	3.167
	M83485/1-378	10.415/10.535	264.541/267.589	.205/ .215	5.207/5.461	7.325	3.323
	M83485/1-379	10.915/11.035	277.241/280.289	.205/ .215	5.207/5.461	7.668	3.478
	M83485/1-380	11.410/11.540	289.814/293.116	.205/ .215	5.207/5.461	8.010	3.633
	M83485/1-381	11.910/12.040	302.514/305.816	.205/ .215	5.207/5.461	8.353	3.789
	M83485/1-382	12.910/13.040	327.914/331.216	.205/ .215	5.207/5.461	9.039	4.100
	M83485/1-383	13.905/14.045	353.187/356.743	.205/ .215	5.207/5.461	9.724	4.411
	M83485/1-384	14.905/15.045	378.587/382.143	.205/ .215	5.207/5.461	10.410	4.722
	M83485/1-385	15.880/16.030	403.352/407.162	.205/ .215	5.207/5.461	11.081	5.027



AEROSPACE STANDARD

O-RING MOLDED FROM AMS7287 MATERIAL

AS83485™
SHEET 7 OF 12

**REV.
B**

TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD (IN)	ØD (MM)	ØW (IN)	ØW (MM)	APPROX MASS	
						(LB/100)	(KG/100)
(b)	M83485/1-386	16.875/17.035	428.625/432.689	.205/ .215	5.207/5.461	11.767	5.337
	M83485/1-387	17.870/18.040	453.898/458.216	.205/ .215	5.207/5.461	12.452	5.648
	M83485/1-388	18.865/19.045	479.171/483.743	.205/ .215	5.207/5.461	13.138	5.959
	M83485/1-389	19.860/20.050	504.444/509.270	.205/ .215	5.207/5.461	13.824	6.270
	M83485/1-390	20.860/21.050	529.844/534.670	.205/ .215	5.207/5.461	14.509	6.581
	M83485/1-391	21.855/22.055	555.117/560.197	.205/ .215	5.207/5.461	15.195	6.892
	M83485/1-392	22.835/23.045	580.009/585.343	.205/ .215	5.207/5.461	15.870	7.199
	M83485/1-393	23.830/24.050	605.282/610.870	.205/ .215	5.207/5.461	16.555	7.509
	M83485/1-394	24.825/25.055	630.555/636.397	.205/ .215	5.207/5.461	17.241	7.820
	M83485/1-395	25.820/26.060	655.828/661.924	.205/ .215	5.207/5.461	17.926	8.131
	M83485/1-425	4.442/ 4.508	112.827/114.503	.269/ .281	6.833/7.137	5.584	2.533
	M83485/1-426	4.567/ 4.633	116.002/117.678	.269/ .281	6.833/7.137	5.731	2.600
	M83485/1-427	4.692/ 4.758	119.177/120.853	.269/ .281	6.833/7.137	5.878	2.666
	M83485/1-428	4.817/ 4.883	122.352/124.028	.269/ .281	6.833/7.137	6.025	2.733
	M83485/1-429	4.938/ 5.012	125.425/127.305	.269/ .281	6.833/7.137	6.172	2.799
	M83485/1-430	5.063/ 5.137	128.600/130.480	.269/ .281	6.833/7.137	6.319	2.866
	M83485/1-431	5.188/ 5.262	131.775/133.655	.269/ .281	6.833/7.137	6.466	2.933
	M83485/1-432	5.313/ 5.387	134.950/136.830	.269/ .281	6.833/7.137	6.613	2.999
	M83485/1-433	5.438/ 5.512	138.125/140.005	.269/ .281	6.833/7.137	6.760	3.066
	M83485/1-434	5.563/ 5.637	141.300/143.180	.269/ .281	6.833/7.137	6.906	3.133
	M83485/1-435	5.688/ 5.762	144.475/146.355	.269/ .281	6.833/7.137	7.053	3.199
	M83485/1-436	5.813/ 5.887	147.650/149.530	.269/ .281	6.833/7.137	7.200	3.266
	M83485/1-437	5.938/ 6.012	150.825/152.705	.269/ .281	6.833/7.137	7.347	3.333
	M83485/1-438	6.185/ 6.265	157.099/159.131	.269/ .281	6.833/7.137	7.641	3.466
	M83485/1-439	6.435/ 6.515	163.449/165.481	.269/ .281	6.833/7.137	7.935	3.599
	M83485/1-440	6.685/ 6.765	169.799/171.831	.269/ .281	6.833/7.137	8.229	3.733
	M83485/1-441	6.935/ 7.015	176.149/178.181	.269/ .281	6.833/7.137	8.523	3.866
	M83485/1-442	7.180/ 7.270	182.372/184.658	.269/ .281	6.833/7.137	8.817	3.999
	M83485/1-443	7.430/ 7.520	188.722/191.008	.269/ .281	6.833/7.137	9.111	4.133
	M83485/1-444	7.680/ 7.770	195.072/197.358	.269/ .281	6.833/7.137	9.405	4.266
	M83485/1-445	7.930/ 8.020	201.422/203.708	.269/ .281	6.833/7.137	9.698	4.399
	M83485/1-446	8.420/ 8.530	213.868/216.662	.269/ .281	6.833/7.137	10.286	4.666
	M83485/1-447	8.920/ 9.030	226.568/229.362	.269/ .281	6.833/7.137	10.874	4.932
	M83485/1-448	9.420/ 9.530	239.268/242.062	.269/ .281	6.833/7.137	11.462	5.199
	M83485/1-449	9.920/10.030	251.968/254.762	.269/ .281	6.833/7.137	12.050	5.466
	M83485/1-450	10.415/10.535	264.541/267.589	.269/ .281	6.833/7.137	12.637	5.732
	M83485/1-451	10.915/11.035	277.241/280.289	.269/ .281	6.833/7.137	13.225	5.999
	M83485/1-452	11.415/11.535	289.941/292.989	.269/ .281	6.833/7.137	13.813	6.266
	M83485/1-453	11.915/12.035	302.641/305.689	.269/ .281	6.833/7.137	14.401	6.532
	M83485/1-454	12.415/12.535	315.341/318.389	.269/ .281	6.833/7.137	14.988	6.799
	M83485/1-455	12.915/13.035	328.041/331.089	.269/ .281	6.833/7.137	15.576	7.065
	M83485/1-456	13.405/13.545	340.487/344.043	.269/ .281	6.833/7.137	16.164	7.332
	M83485/1-457	13.905/14.045	353.187/356.743	.269/ .281	6.833/7.137	16.752	7.599
	M83485/1-458	14.405/14.545	365.887/369.443	.269/ .281	6.833/7.137	17.340	7.865
	M83485/1-459	14.905/15.045	378.587/382.143	.269/ .281	6.833/7.137	17.927	8.132
	M83485/1-460	15.405/15.545	391.287/394.843	.269/ .281	6.833/7.137	18.515	8.398
(b)	M83485/1-461	15.880/16.030	403.352/407.162	.269/ .281	6.833/7.137	19.079	8.654
	M83485/1-462	16.380/16.530	416.052/419.862	.269/ .281	6.833/7.137	19.667	8.921
	M83485/1-463	16.875/17.035	428.625/432.689	.269/ .281	6.833/7.137	20.255	9.188
	M83485/1-464	17.370/17.540	441.198/445.516	.269/ .281	6.833/7.137	20.843	9.454
	M83485/1-465	17.870/18.040	453.898/458.216	.269/ .281	6.833/7.137	21.431	9.721



AEROSPACE STANDARD

O-RING MOLDED FROM AMS7287 MATERIAL

AS83485™
SHEET 8 OF 12

**REV.
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TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD	ØD	ØW	ØW	APPROX MASS	
		(IN)	(MM)	(IN)	(MM)	(LB/100)	(KG/100)
(b)	M83485/1-466	18.370/18.540	466.598/470.916	.269/ .281	6.833/7.137	22.018	9.988
	M83485/1-467	18.865/19.045	479.171/483.743	.269/ .281	6.833/7.137	22.606	10.254
	M83485/1-468	19.365/19.545	491.871/496.443	.269/ .281	6.833/7.137	23.194	10.521
	M83485/1-469	19.860/20.050	504.444/509.270	.269/ .281	6.833/7.137	23.782	10.787
	M83485/1-470	20.860/21.050	529.844/534.670	.269/ .281	6.833/7.137	24.957	11.321
	M83485/1-471	21.855/22.055	555.117/560.197	.269/ .281	6.833/7.137	26.133	11.854
	M83485/1-472	22.835/23.045	580.009/585.343	.269/ .281	6.833/7.137	27.291	12.379
	M83485/1-473	23.830/24.050	605.282/610.870	.269/ .281	6.833/7.137	28.466	12.912
	M83485/1-474	24.825/25.055	630.555/636.397	.269/ .281	6.833/7.137	29.642	13.446
	M83485/1-475	25.820/26.060	655.828/661.924	.269/ .281	6.833/7.137	30.817	13.979

TABLE 2 - BOSS O-RINGS SIZES FOR STRAIGHT THREAD TUBE FITTINGS

PART NUMBER	NOMINAL TUBE OUTSIDE DIAMETER		ØD		ØW		APPROX MASS	
	(IN)	(MM)	(IN)	(MM)	(IN)	(MM)	(LB/100)	(KG/100)
M83485/1-901	.094	2.388	.180/ .190	4.572/ 4.826	.053/ .059	1.346/1.499	.009	0.004
M83485/1-902	.125	3.175	.234/ .244	5.944/ 6.198	.061/ .067	1.549/1.702	.016	0.007
M83485/1-903	.188	4.775	.295/ .306	7.493/ 7.772	.061/ .067	1.549/1.702	.020	0.009
M83485/1-904	.250	6.350	.346/ .356	8.788/ 9.042	.069/ .075	1.753/1.905	.029	0.013
M83485/1-905	.312	7.925	.409/ .419	10.389/10.643	.069/ .075	1.753/1.905	.034	0.016
M83485/1-906	.375	9.525	.463/ .473	11.760/12.014	.075/ .081	1.905/2.057	.046	0.021
M83485/1-907	.438	11.125	.523/ .537	13.284/13.640	.079/ .085	2.007/2.159	.057	0.026
M83485/1-908	.500	12.700	.635/ .653	16.129/16.586	.084/ .090	2.134/2.286	.078	0.035
M83485/1-909	.562	14.275	.697/ .715	17.704/18.161	.094/ .100	2.388/2.540	.106	0.048
M83485/1-910	.625	15.875	.746/ .764	18.948/19.406	.094/ .100	2.388/2.540	.114	0.052
M83485/1-911	.688	17.475	.854/ .872	21.692/22.149	.112/ .120	2.845/3.048	.186	0.085
M83485/1-912	.750	19.050	.915/ .933	23.241/23.698	.112/ .120	2.845/3.048	.199	0.090
M83485/1-913	.812	20.625	.976/ .996	24.790/25.298	.112/ .120	2.845/3.048	.213	0.097
M83485/1-914	.875	22.225	1.037/1.057	26.340/26.848	.112/ .120	2.845/3.048	.226	0.103
M83485/1-916	1.000	25.400	1.161/1.181	29.489/29.997	.120/ .112	2.845/3.048	.253	0.115
M83485/1-918	1.125	28.575	1.343/1.367	34.112/34.722	.112/ .120	2.845/3.048	.292	0.133
M83485/1-920	1.250	31.750	1.461/1.489	37.109/37.821	.114/ .122	2.896/3.099	.329	0.149
M83485/1-924	1.500	38.100	1.706/1.734	43.332/44.044	.114/ .122	2.896/3.099	.384	0.174
M83485/1-928	1.750	44.450	2.072/2.108	52.629/53.543	.114/ .122	2.896/3.099	.467	0.212
M83485/1-932	2.000	50.800	2.319/2.356	58.903/59.842	.114/ .122	2.896/3.099	.522	0.237



AEROSPACE STANDARD

O-RING MOLDED FROM AMS7287 MATERIAL

AS83485™
SHEET 9 OF 12

**REV.
B**