

REV.
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AS83461/1

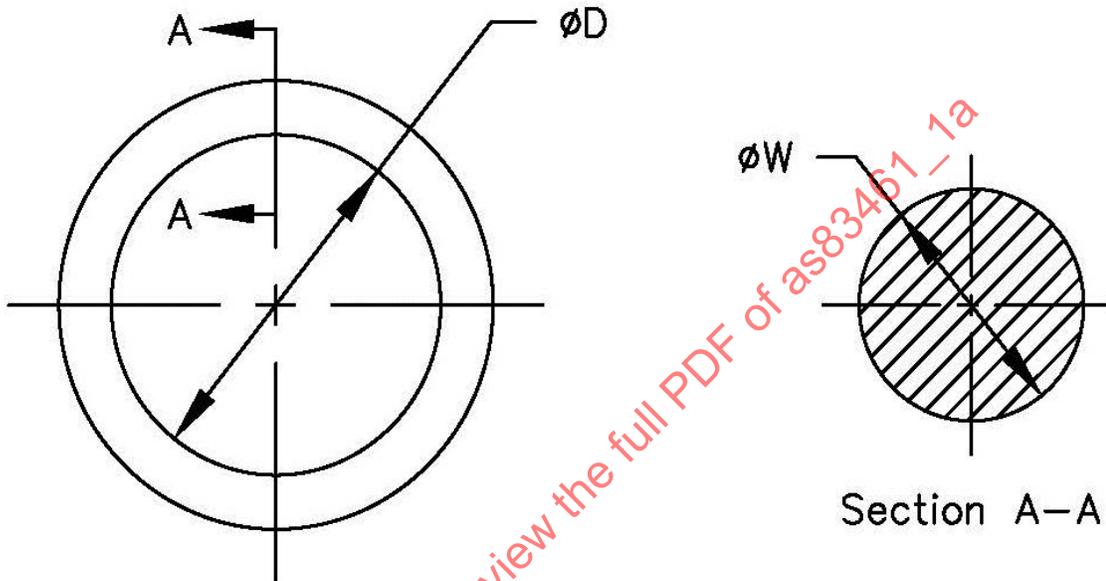
FEDERAL SUPPLY CLASS
5331

RATIONALE

THIS STANDARD HAS BEEN REVISED TO UPDATE THE INSPECTION CRITERIA.

FOREWORD

THIS STANDARD ESTABLISHES THE DIMENSIONAL AND VISUAL QUALITY REQUIREMENTS, LOT REQUIREMENTS AND PACKAGING AND LABELING REQUIREMENTS FOR O-RINGS MOLDED FROM AMS-P-83461 RUBBER. IT SHALL BE USED FOR PROCUREMENT PURPOSES.

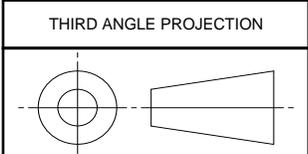


NOTE: DIMENSION AND TOLERANCING PER ASME Y14.5

FIGURE 1 - O-RING: WIDTH (W) AND INSIDE (D) DIAMETERS

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CUSTODIAN: A-6/A-6C2



AEROSPACE STANDARD

(R) M83461 O-RING MOLDED FROM AMS-P-83461 RUBBER

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ISSUED 2001-03 REVISED 2015-06

TABLE 1 - PART NUMBERS AND DIMENSIONS

APP NOTE	PART NUMBER	ØD		ØW		APPROX MASS	
		IN	(MM)	IN	(MM)	LB/100	KG/100
	M83461/1-001	.025 / .033	0.635 / 0.838	.037 / .043	0.940 / 1.092	.001	0.0004
	M83461/1-002	.038 / .046	0.965 / 1.168	.047 / .053	1.194 / 1.346	.003	0.0014
	M83461/1-003	.052 / .060	1.321 / 1.524	.057 / .063	1.448 / 1.600	.005	0.0023
	M83461/1-004	.065 / .075	1.651 / 1.905	.067 / .073	1.702 / 1.854	.008	0.0036
	M83461/1-005	.096 / .106	2.438 / 2.692	.067 / .073	1.702 / 1.854	.010	0.0045
	M83461/1-006	.109 / .119	2.769 / 3.023	.067 / .073	1.702 / 1.854	.010	0.0045
	M83461/1-007	.140 / .150	3.556 / 3.810	.067 / .073	1.702 / 1.854	.012	0.0054
	M83461/1-008	.171 / .181	4.343 / 4.597	.067 / .073	1.702 / 1.854	.014	0.0064
	M83461/1-009	.203 / .213	5.156 / 5.410	.067 / .073	1.702 / 1.854	.016	0.0073
	M83461/1-010	.234 / .244	5.944 / 6.198	.067 / .073	1.702 / 1.854	.017	0.0077
	M83461/1-011	.296 / .306	7.518 / 7.772	.067 / .073	1.702 / 1.854	.021	0.0095
	M83461/1-012	.359 / .369	9.119 / 9.373	.067 / .073	1.702 / 1.854	.024	0.011
	M83461/1-013	.421 / .431	10.693 / 0.947	.067 / .073	1.702 / 1.854	.028	0.013
	M83461/1-014	.484 / .494	12.294 / 12.548	.067 / .073	1.702 / 1.854	.031	0.014
	M83461/1-015	.544 / .558	13.818 / 14.173	.067 / .073	1.702 / 1.854	.034	0.015
	M83461/1-016	.605 / .623	15.367 / 15.824	.067 / .073	1.702 / 1.854	.038	0.017
	M83461/1-017	.667 / .685	16.942 / 17.399	.067 / .073	1.702 / 1.854	.041	0.019
	M83461/1-018	.730 / .748	18.542 / 18.999	.067 / .073	1.702 / 1.854	.045	0.020
	M83461/1-019	.792 / .810	20.117 / 20.574	.067 / .073	1.702 / 1.854	.048	0.022
	M83461/1-020	.855 / .873	21.717 / 22.174	.067 / .073	1.702 / 1.854	.052	0.024
	M83461/1-021	.917 / .935	23.292 / 23.749	.067 / .073	1.702 / 1.854	.055	0.025
	M83461/1-022	.979 / .999	24.867 / 25.375	.067 / .073	1.702 / 1.854	.059	0.027
(a)	M83461/1-023	1.041 / 1.061	26.441 / 26.949	.067 / .073	1.702 / 1.854	.062	0.028
	M83461/1-024	1.104 / 1.124	28.042 / 28.550	.067 / .073	1.702 / 1.854	.066	0.030
	M83461/1-025	1.165 / 1.187	29.591 / 30.150	.067 / .073	1.702 / 1.854	.069	0.031
	M83461/1-026	1.228 / 1.250	31.191 / 31.750	.067 / .073	1.702 / 1.854	.073	0.033
	M83461/1-027	1.290 / 1.312	32.766 / 33.325	.067 / .073	1.702 / 1.854	.076	0.034
	M83461/1-028	1.351 / 1.377	34.315 / 34.976	.067 / .073	1.702 / 1.854	.080	0.036
	M83461/1-029	1.476 / 1.502	37.490 / 38.151	.067 / .073	1.702 / 1.854	.086	0.039
	M83461/1-030	1.601 / 1.627	40.665 / 41.326	.067 / .073	1.702 / 1.854	.094	0.043
	M83461/1-031	1.724 / 1.754	43.790 / 44.552	.067 / .073	1.702 / 1.854	.101	0.046
	M83461/1-032	1.849 / 1.879	46.965 / 47.727	.067 / .073	1.702 / 1.854	.108	0.049
	M83461/1-033	1.971 / 2.007	50.063 / 50.978	.067 / .073	1.702 / 1.854	.114	0.052
	M83461/1-034	2.096 / 2.132	53.238 / 54.153	.067 / .073	1.702 / 1.854	.121	0.055
	M83461/1-035	2.221 / 2.257	56.413 / 57.328	.067 / .073	1.702 / 1.854	.128	0.058
(b)	M83461/1-036	2.346 / 2.382	59.588 / 60.503	.067 / .073	1.702 / 1.854	.135	0.061
	M83461/1-037	2.471 / 2.507	62.763 / 63.678	.067 / .073	1.702 / 1.854	.142	0.064
	M83461/1-038	2.594 / 2.634	65.888 / 66.904	.067 / .073	1.702 / 1.854	.149	0.068
	M83461/1-039	2.719 / 2.759	69.063 / 70.079	.067 / .073	1.702 / 1.854	.156	0.071
	M83461/1-040	2.844 / 2.884	72.238 / 73.254	.067 / .073	1.702 / 1.854	.163	0.074
	M83461/1-041	2.965 / 3.013	75.311 / 76.530	.067 / .073	1.702 / 1.854	.170	0.077
	M83461/1-042	3.215 / 3.263	81.661 / 82.880	.067 / .073	1.702 / 1.854	.184	0.083
	M83461/1-043	3.465 / 3.513	88.011 / 89.230	.067 / .073	1.702 / 1.854	.198	0.090
	M83461/1-044	3.712 / 3.766	94.285 / 95.656	.067 / .073	1.702 / 1.854	.212	0.096
	M83461/1-045	3.962 / 4.016	100.635 / 102.006	.067 / .073	1.702 / 1.854	.226	0.102



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(R) M83461 O-RING MOLDED FROM AMS-P-83461 RUBBER

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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)	M83461/1-046	4.209 / 4.269	106.909 / 108.433	.067 / .073	1.702 / 1.854	.240	0.109
	M83461/1-047	4.459 / 4.519	113.259 / 114.783	.067 / .073	1.702 / 1.854	.254	0.115
	M83461/1-048	4.709 / 4.769	119.609 / 121.133	.067 / .073	1.702 / 1.854	.267	0.121
	M83461/1-049	4.952 / 5.026	125.781 / 127.660	.067 / .073	1.702 / 1.854	.281	0.127
	M83461/1-050	5.202 / 5.276	132.131 / 134.010	.067 / .073	1.702 / 1.854	.295	0.134
	M83461/1-102	.044 / .054	1.118 / 1.372	.100 / .106	2.540 / 2.692	.018	0.008
	M83461/1-103	.076 / .086	1.930 / 2.184	.100 / .106	2.540 / 2.692	.022	0.010
	M83461/1-104	.107 / .117	2.718 / 2.972	.100 / .106	2.540 / 2.692	.026	0.012
	M83461/1-105	.138 / .148	3.505 / 3.759	.100 / .106	2.540 / 2.692	.029	0.013
	M83461/1-106	.169 / .179	4.293 / 4.547	.100 / .106	2.540 / 2.692	.034	0.015
	M83461/1-107	.201 / .211	5.105 / 5.359	.100 / .106	2.540 / 2.692	.037	0.017
	M83461/1-108	.232 / .242	5.893 / 6.147	.100 / .106	2.540 / 2.692	.041	0.019
	M83461/1-109	.294 / .304	7.468 / 7.722	.100 / .106	2.540 / 2.692	.048	0.022
		M83461/1-110	.357 / .367	9.068 / 9.322	.100 / .106	2.540 / 2.692	.056
M83461/1-111		.419 / .429	10.643 / 10.897	.100 / .106	2.540 / 2.692	.063	0.029
M83461/1-112		.482 / .492	12.243 / 12.497	.100 / .106	2.540 / 2.692	.071	0.032
M83461/1-113		.542 / .556	13.767 / 14.122	.100 / .106	2.540 / 2.692	.079	0.036
M83461/1-114		.603 / .621	15.316 / 15.773	.100 / .106	2.540 / 2.692	.086	0.039
M83461/1-115		.665 / .683	16.891 / 17.348	.100 / .106	2.540 / 2.692	.093	0.042
M83461/1-116		.728 / .746	18.491 / 18.948	.100 / .106	2.540 / 2.692	.101	0.046
M83461/1-117		.789 / .809	20.041 / 20.549	.100 / .106	2.540 / 2.692	.108	0.049
M83461/1-118		.852 / .872	21.641 / 22.149	.100 / .106	2.540 / 2.692	.116	0.053
M83461/1-119		.914 / .934	23.216 / 23.724	.100 / .106	2.540 / 2.692	.124	0.056
M83461/1-120		.977 / .997	24.816 / 25.324	.100 / .106	2.540 / 2.692	.131	0.059
M83461/1-121		1.039 / 1.059	26.391 / 26.899	.100 / .106	2.540 / 2.692	.139	0.063
M83461/1-122		1.102 / 1.122	27.991 / 28.499	.100 / .106	2.540 / 2.692	.146	0.066
M83461/1-123		1.162 / 1.186	29.515 / 30.124	.100 / .106	2.540 / 2.692	.154	0.070
(a)	M83461/1-124	1.225 / 1.249	31.115 / 31.725	.100 / .106	2.540 / 2.692	.161	0.073
	M83461/1-125	1.287 / 1.311	32.690 / 33.299	.100 / .106	2.540 / 2.692	.169	0.077
	M83461/1-126	1.350 / 1.374	34.290 / 34.900	.100 / .106	2.540 / 2.692	.176	0.080
	M83461/1-127	1.412 / 1.436	35.865 / 36.474	.100 / .106	2.540 / 2.692	.184	0.083
	M83461/1-128	1.475 / 1.499	37.465 / 38.075	.100 / .106	2.540 / 2.692	.191	0.087
	M83461/1-129	1.534 / 1.564	38.964 / 39.726	.100 / .106	2.540 / 2.692	.199	0.090
	M83461/1-130	1.597 / 1.627	40.564 / 41.326	.100 / .106	2.540 / 2.692	.207	0.094
	M83461/1-131	1.659 / 1.689	42.139 / 42.901	.100 / .106	2.540 / 2.692	.214	0.097
	M83461/1-132	1.722 / 1.752	43.739 / 44.501	.100 / .106	2.540 / 2.692	.222	0.101
	M83461/1-133	1.784 / 1.814	45.314 / 46.076	.100 / .106	2.540 / 2.692	.230	0.104
	M83461/1-134	1.847 / 1.877	46.914 / 47.676	.100 / .106	2.540 / 2.692	.236	0.107
	M83461/1-135	1.908 / 1.942	48.463 / 49.327	.100 / .106	2.540 / 2.692	.244	0.111
	M83461/1-136	1.970 / 2.004	50.038 / 50.902	.100 / .106	2.540 / 2.692	.252	0.114
	M83461/1-137	2.033 / 2.067	51.638 / 52.502	.100 / .106	2.540 / 2.692	.259	0.117
M83461/1-138	2.095 / 2.129	53.213 / 54.077	.100 / .106	2.540 / 2.692	.267	0.121	
M83461/1-139	2.158 / 2.192	54.813 / 55.677	.100 / .106	2.540 / 2.692	.274	0.124	
M83461/1-140	2.220 / 2.254	56.388 / 57.252	.100 / .106	2.540 / 2.692	.282	0.128	



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(R) M83461 O-RING MOLDED FROM
AMS-P-83461 RUBBER

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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
(a)	M83461/1-141	2.280 / 2.320	57.912 / 58.928	.100 / .106	2.540 / 2.692	.289	0.131
	M83461/1-142	2.342 / 2.382	59.487 / 60.503	.100 / .106	2.540 / 2.692	.297	0.135
	M83461/1-143	2.405 / 2.445	61.087 / 62.103	.100 / .106	2.540 / 2.692	.304	0.138
	M83461/1-144	2.467 / 2.507	62.662 / 63.678	.100 / .106	2.540 / 2.692	.312	0.142
	M83461/1-145	2.530 / 2.570	64.262 / 65.278	.100 / .106	2.540 / 2.692	.319	0.145
	M83461/1-146	2.592 / 2.632	65.837 / 66.853	.100 / .106	2.540 / 2.692	.327	0.148
	M83461/1-147	2.653 / 2.697	67.386 / 68.504	.100 / .106	2.540 / 2.692	.334	0.152
	M83461/1-148	2.715 / 2.759	68.961 / 70.079	.100 / .106	2.540 / 2.692	.342	0.155
	M83461/1-149	2.778 / 2.822	70.561 / 71.679	.100 / .106	2.540 / 2.692	.350	0.159
	M83461/1-150	2.840 / 2.884	72.136 / 73.254	.100 / .106	2.540 / 2.692	.357	0.162
	M83461/1-151	2.963 / 3.011	75.260 / 76.479	.100 / .106	2.540 / 2.692	.372	0.169
	M83461/1-152	3.213 / 3.261	81.610 / 82.829	.100 / .106	2.540 / 2.692	.402	0.181
	M83461/1-153	3.463 / 3.511	87.960 / 89.179	.100 / .106	2.540 / 2.692	.433	0.196
	M83461/1-154	3.709 / 3.765	94.209 / 95.631	.100 / .106	2.540 / 2.692	.462	0.210
	M83461/1-155	3.959 / 4.015	100.559 / 101.981	.100 / .106	2.540 / 2.692	.493	0.224
(b)	M83461/1-156	4.207 / 4.267	106.858 / 108.382	.100 / .106	2.540 / 2.692	.523	0.237
	M83461/1-157	4.457 / 4.517	113.208 / 114.732	.100 / .106	2.540 / 2.692	.553	0.251
	M83461/1-158	4.707 / 4.767	119.558 / 121.082	.100 / .106	2.540 / 2.692	.583	0.264
	M83461/1-159	4.952 / 5.022	125.781 / 127.559	.100 / .106	2.540 / 2.692	.613	0.278
	M83461/1-160	5.202 / 5.272	132.131 / 133.909	.100 / .106	2.540 / 2.692	.643	0.292
	M83461/1-161	5.452 / 5.522	138.481 / 140.259	.100 / .106	2.540 / 2.692	.673	0.305
	M83461/1-162	5.702 / 5.772	144.831 / 146.609	.100 / .106	2.540 / 2.692	.703	0.319
	M83461/1-163	5.952 / 6.022	151.181 / 152.959	.100 / .106	2.540 / 2.692	.733	0.332
	M83461/1-164	6.197 / 6.277	157.404 / 159.436	.100 / .106	2.540 / 2.692	.763	0.346
	M83461/1-165	6.447 / 6.527	163.754 / 165.786	.100 / .106	2.540 / 2.692	.793	0.360
	M83461/1-166	6.697 / 6.777	170.104 / 172.136	.100 / .106	2.540 / 2.692	.823	0.373
	M83461/1-167	6.947 / 7.027	176.454 / 178.486	.100 / .106	2.540 / 2.692	.853	0.387
	M83461/1-168	7.192 / 7.282	182.677 / 184.963	.100 / .106	2.540 / 2.692	.883	0.401
	M83461/1-169	7.442 / 7.532	189.027 / 191.313	.100 / .106	2.540 / 2.692	.913	0.414
	M83461/1-170	7.692 / 7.782	195.377 / 197.663	.100 / .106	2.540 / 2.692	.943	0.428
	M83461/1-171	7.942 / 8.032	201.727 / 204.013	.100 / .106	2.540 / 2.692	.973	0.441
	M83461/1-172	8.187 / 8.287	207.950 / 210.490	.100 / .106	2.540 / 2.692	1.003	0.455
	M83461/1-173	8.437 / 8.537	214.300 / 216.840	.100 / .106	2.540 / 2.692	1.033	0.469
	M83461/1-174	8.687 / 8.787	220.650 / 223.190	.100 / .106	2.540 / 2.692	1.064	0.483
	M83461/1-175	8.937 / 9.037	227.000 / 229.540	.100 / .106	2.540 / 2.692	1.094	0.496
	M83461/1-176	9.182 / 9.292	233.223 / 236.017	.100 / .106	2.540 / 2.692	1.124	0.510
M83461/1-177	9.432 / 9.542	239.573 / 242.367	.100 / .106	2.540 / 2.692	1.154	0.523	
M83461/1-178	9.682 / 9.792	245.923 / 248.717	.100 / .106	2.540 / 2.692	1.184	0.537	
M83461/1-201	.166 / .176	4.216 / 4.470	.135 / .143	3.429 / 3.632	.068	0.031	
M83461/1-202	.229 / .239	5.817 / 6.071	.135 / .143	3.429 / 3.632	.082	0.037	
M83461/1-203	.291 / .301	7.391 / 7.645	.135 / .143	3.429 / 3.632	.095	0.043	
M83461/1-204	.354 / .364	8.992 / 9.246	.135 / .143	3.429 / 3.632	.109	0.049	
M83461/1-205	.416 / .426	10.566 / 10.820	.135 / .143	3.429 / 3.632	.123	0.056	



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(R) M83461 O-RING MOLDED FROM
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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
	M83461/1-206	.479 / .489	12.167 / 12.421	.135 / .143	3.429 / 3.632	.137	0.062
	M83461/1-207	.539 / .553	13.691 / 14.046	.135 / .143	3.429 / 3.632	.150	0.068
	M83461/1-208	.600 / .618	15.240 / 15.697	.135 / .143	3.429 / 3.632	.164	0.074
	M83461/1-209	.662 / .680	16.815 / 17.272	.135 / .143	3.429 / 3.632	.178	0.081
	M83461/1-210	.724 / .744	18.390 / 18.898	.135 / .143	3.429 / 3.632	.191	0.087
	M83461/1-211	.786 / .806	19.964 / 20.472	.135 / .143	3.429 / 3.632	.205	0.093
	M83461/1-212	.849 / .869	21.565 / 22.073	.135 / .143	3.429 / 3.632	.219	0.098
	M83461/1-213	.911 / .931	23.139 / 23.647	.135 / .143	3.429 / 3.632	.232	0.105
	M83461/1-214	.974 / .994	24.740 / 25.248	.135 / .143	3.429 / 3.632	.246	0.112
	M83461/1-215	1.036 / 1.056	26.314 / 26.822	.135 / .143	3.429 / 3.632	.260	0.118
	M83461/1-216	1.097 / 1.121	27.864 / 28.473	.135 / .143	3.429 / 3.632	.274	0.124
	M83461/1-217	1.159 / 1.183	29.439 / 30.048	.135 / .143	3.429 / 3.632	.287	0.130
	M83461/1-218	1.222 / 1.246	31.039 / 31.648	.135 / .143	3.429 / 3.632	.302	0.137
	M83461/1-219	1.284 / 1.308	32.614 / 33.223	.135 / .143	3.429 / 3.632	.315	0.143
	M83461/1-220	1.347 / 1.371	34.214 / 34.823	.135 / .143	3.429 / 3.632	.328	0.149
	M83461/1-221	1.409 / 1.433	35.789 / 36.398	.135 / .143	3.429 / 3.632	.342	0.155
	M83461/1-222	1.469 / 1.499	37.313 / 38.075	.135 / .143	3.429 / 3.632	.356	0.161
	M83461/1-223	1.594 / 1.624	40.488 / 41.250	.135 / .143	3.429 / 3.632	.383	0.174
	M83461/1-224	1.719 / 1.749	43.663 / 44.425	.135 / .143	3.429 / 3.632	.411	0.186
	M83461/1-225	1.841 / 1.877	46.761 / 47.676	.135 / .143	3.429 / 3.632	.438	0.199
	M83461/1-226	1.966 / 2.002	49.936 / 50.851	.135 / .143	3.429 / 3.632	.466	0.211
	M83461/1-227	2.091 / 2.127	53.111 / 54.026	.135 / .143	3.429 / 3.632	.493	0.224
	M83461/1-228	2.214 / 2.254	56.236 / 57.252	.135 / .143	3.429 / 3.632	.529	0.240
	M83461/1-229	2.339 / 2.379	59.411 / 60.427	.135 / .143	3.429 / 3.632	.543	0.249
	M83461/1-230	2.464 / 2.504	62.586 / 63.602	.135 / .143	3.429 / 3.632	.575	0.261
	M83461/1-231	2.589 / 2.629	65.761 / 66.777	.135 / .143	3.429 / 3.632	.603	0.274
	M83461/1-232	2.710 / 2.758	68.834 / 70.053	.135 / .143	3.429 / 3.632	.630	0.286
	M83461/1-233	2.835 / 2.883	72.009 / 73.228	.135 / .143	3.429 / 3.632	.657	0.298
	M83461/1-234	2.960 / 3.008	75.184 / 76.403	.135 / .143	3.429 / 3.632	.685	0.311
	M83461/1-235	3.085 / 3.133	78.359 / 79.578	.135 / .143	3.429 / 3.632	.712	0.323
	M83461/1-236	3.210 / 3.258	81.534 / 82.753	.135 / .143	3.429 / 3.632	.740	0.336
	M83461/1-237	3.335 / 3.383	84.709 / 85.928	.135 / .143	3.429 / 3.632	.767	0.348
(a)	M83461/1-238	3.460 / 3.508	87.884 / 89.103	.135 / .143	3.429 / 3.632	.794	0.360
	M83461/1-239	3.581 / 3.637	90.957 / 92.380	.135 / .143	3.429 / 3.632	.822	0.373
	M83461/1-240	3.706 / 3.762	94.132 / 95.555	.135 / .143	3.429 / 3.632	.849	0.385
	M83461/1-241	3.831 / 3.887	97.307 / 98.730	.135 / .143	3.429 / 3.632	.877	0.398
	M83461/1-242	3.956 / 4.012	100.482 / 101.905	.135 / .143	3.429 / 3.632	.904	0.410
	M83461/1-243	4.081 / 4.137	103.657 / 105.080	.135 / .143	3.429 / 3.632	.932	0.423
	M83461/1-244	4.204 / 4.264	106.782 / 108.306	.135 / .143	3.429 / 3.632	.959	0.433
	M83461/1-245	4.329 / 4.389	109.957 / 111.481	.135 / .143	3.429 / 3.632	.986	0.447
	M83461/1-246	4.454 / 4.514	113.132 / 114.656	.135 / .143	3.429 / 3.632	1.014	0.460
	M83461/1-247	4.579 / 4.639	116.307 / 117.831	.135 / .143	3.429 / 3.632	1.041	0.472
	M83461/1-248	4.704 / 4.764	119.482 / 121.006	.135 / .143	3.429 / 3.632	1.068	0.484
(b)	M83461/1-249	4.824 / 4.894	122.530 / 124.308	.135 / .143	3.429 / 3.632	1.096	0.497
	M83461/1-250	4.949 / 5.019	125.705 / 127.483	.135 / .143	3.429 / 3.632	1.123	0.509



AEROSPACE STANDARD

(R) M83461 O-RING MOLDED FROM
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TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD		ØW		APPROX MASS	
		IN	(MM)	IN	(MM)	LB/100	KG/100
(b)	M83461/1-251	5.074 / 5.144	128.880 / 130.658	.135 / .143	3.429 / 3.632	1.151	0.522
	M83461/1-252	5.199 / 5.269	132.055 / 133.833	.135 / .143	3.429 / 3.632	1.178	0.534
	M83461/1-253	5.324 / 5.394	135.230 / 137.008	.135 / .143	3.429 / 3.632	1.206	0.547
	M83461/1-254	5.449 / 5.519	138.405 / 140.183	.135 / .143	3.429 / 3.632	1.233	0.559
	M83461/1-255	5.574 / 5.644	141.580 / 143.358	.135 / .143	3.429 / 3.632	1.260	0.572
	M83461/1-256	5.699 / 5.769	144.755 / 146.533	.135 / .143	3.429 / 3.632	1.288	0.584
	M83461/1-257	5.824 / 5.894	147.930 / 149.708	.135 / .143	3.429 / 3.632	1.315	0.596
	M83461/1-258	5.949 / 6.019	151.105 / 152.883	.135 / .143	3.429 / 3.632	1.343	0.609
	M83461/1-259	6.194 / 6.274	157.328 / 159.360	.135 / .143	3.429 / 3.632	1.397	0.634
	M83461/1-260	6.444 / 6.524	163.678 / 165.710	.135 / .143	3.429 / 3.632	1.452	0.659
	M83461/1-261	6.694 / 6.774	170.028 / 172.060	.135 / .143	3.429 / 3.632	1.507	0.684
	M83461/1-262	6.944 / 7.024	176.378 / 178.410	.135 / .143	3.429 / 3.632	1.562	0.708
	M83461/1-263	7.189 / 7.279	182.601 / 184.887	.135 / .143	3.429 / 3.632	1.617	0.733
	M83461/1-264	7.439 / 7.529	188.951 / 191.237	.135 / .143	3.429 / 3.632	1.672	0.758
	M83461/1-265	7.689 / 7.779	195.301 / 197.587	.135 / .143	3.429 / 3.632	1.726	0.783
	M83461/1-266	7.939 / 8.029	201.651 / 203.937	.135 / .143	3.429 / 3.632	1.781	0.808
	M83461/1-267	8.184 / 8.284	207.874 / 210.414	.135 / .143	3.429 / 3.632	1.836	0.833
	M83461/1-268	8.434 / 8.534	214.224 / 216.764	.135 / .143	3.429 / 3.632	1.891	0.858
	M83461/1-269	8.684 / 8.784	220.574 / 223.114	.135 / .143	3.429 / 3.632	1.946	0.883
	M83461/1-270	8.934 / 9.034	226.924 / 229.464	.135 / .143	3.429 / 3.632	2.000	0.907
	M83461/1-271	9.179 / 9.289	233.147 / 235.941	.135 / .143	3.429 / 3.632	2.055	0.932
	M83461/1-272	9.429 / 9.539	239.497 / 242.291	.135 / .143	3.429 / 3.632	2.110	0.957
	M83461/1-273	9.679 / 9.789	245.847 / 248.641	.135 / .143	3.429 / 3.632	2.165	0.982
	M83461/1-274	9.929 / 10.039	252.197 / 254.991	.135 / .143	3.429 / 3.632	2.220	1.007
	M83461/1-275	10.429 / 10.539	264.897 / 267.691	.135 / .143	3.429 / 3.632	2.329	1.056
	M83461/1-276	10.919 / 11.049	277.343 / 280.645	.135 / .143	3.429 / 3.632	2.439	1.106
	M83461/1-277	11.419 / 11.549	290.043 / 293.345	.135 / .143	3.429 / 3.632	2.549	1.156
	M83461/1-278	11.919 / 12.049	302.743 / 306.045	.135 / .143	3.429 / 3.632	2.658	1.206
	M83461/1-279	12.919 / 13.049	328.143 / 331.445	.135 / .143	3.429 / 3.632	2.878	1.305
	M83461/1-280	13.919 / 14.049	353.543 / 356.845	.135 / .143	3.429 / 3.632	3.097	1.405
	M83461/1-281	14.919 / 15.049	378.943 / 382.245	.135 / .143	3.429 / 3.632	3.317	1.505
	M83461/1-282	15.880 / 16.030	403.352 / 407.162	.135 / .143	3.429 / 3.632	3.531	1.602
M83461/1-283	16.875 / 17.035	428.625 / 432.689	.135 / .143	3.429 / 3.632	3.751	1.701	
M83461/1-284	17.870 / 18.040	453.898 / 458.216	.135 / .143	3.429 / 3.632	3.968	1.800	
M83461/1-309	.407 / .417	10.338 / 10.592	.205 / .215	5.207 / 5.461	.311	0.141	
M83461/1-310	.470 / .480	11.938 / 12.192	.205 / .215	5.207 / 5.461	.343	0.155	
M83461/1-311	.530 / .544	13.462 / 13.818	.205 / .215	5.207 / 5.461	.374	0.170	
M83461/1-312	.591 / .609	15.011 / 15.469	.205 / .215	5.207 / 5.461	.405	0.184	
M83461/1-313	.653 / .671	16.586 / 17.043	.205 / .215	5.207 / 5.461	.436	0.198	
M83461/1-314	.715 / .735	18.161 / 18.669	.205 / .215	5.207 / 5.461	.468	0.212	
M83461/1-315	.777 / .797	19.736 / 20.244	.205 / .215	5.207 / 5.461	.499	0.226	
M83461/1-316	.840 / .860	21.336 / 21.844	.205 / .215	5.207 / 5.461	.530	0.241	
M83461/1-317	.902 / .922	22.911 / 23.419	.205 / .215	5.207 / 5.461	.562	0.255	
M83461/1-318	.965 / .985	24.511 / 25.019	.205 / .215	5.207 / 5.461	.593	0.269	
M83461/1-319	1.027 / 1.047	26.086 / 26.594	.205 / .215	5.207 / 5.461	.624	0.283	
M83461/1-320	1.088 / 1.112	27.635 / 28.245	.205 / .215	5.207 / 5.461	.656	0.297	



AEROSPACE STANDARD

(R) M83461 O-RING MOLDED FROM
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TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD		ØW		APPROX MASS	
		IN	(MM)	IN	(MM)	LB/100	KG/100
	M83461/1-321	1.150 / 1.174	29.210 / 29.820	.205 / .215	5.207 / 5.461	.687	0.312
	M83461/1-322	1.213 / 1.237	30.810 / 31.420	.205 / .215	5.207 / 5.461	.718	0.326
	M83461/1-323	1.275 / 1.299	32.385 / 32.995	.205 / .215	5.207 / 5.461	.749	0.340
	M83461/1-324	1.338 / 1.362	33.985 / 34.595	.205 / .215	5.207 / 5.461	.781	0.354
	M83461/1-325	1.460 / 1.490	37.084 / 37.846	.205 / .215	5.207 / 5.461	.843	0.382
	M83461/1-326	1.585 / 1.615	40.259 / 41.021	.205 / .215	5.207 / 5.461	.906	0.411
	M83461/1-327	1.710 / 1.740	43.434 / 44.196	.205 / .215	5.207 / 5.461	.969	0.440
	M83461/1-328	1.835 / 1.865	46.609 / 47.371	.205 / .215	5.207 / 5.461	1.031	0.468
	M83461/1-329	1.957 / 1.993	49.708 / 50.622	.205 / .215	5.207 / 5.461	1.064	0.496
	M83461/1-330	2.082 / 2.118	52.883 / 53.797	.205 / .215	5.207 / 5.461	1.156	0.524
	M83461/1-331	2.207 / 2.243	56.058 / 56.972	.205 / .215	5.207 / 5.461	1.219	0.553
	M83461/1-332	2.332 / 2.368	59.233 / 60.147	.205 / .215	5.207 / 5.461	1.282	0.582
	M83461/1-333	2.455 / 2.495	62.357 / 63.373	.205 / .215	5.207 / 5.461	1.344	0.610
	M83461/1-334	2.580 / 2.620	65.532 / 66.548	.205 / .215	5.207 / 5.461	1.407	0.638
	M83461/1-335	2.705 / 2.745	68.707 / 69.723	.205 / .215	5.207 / 5.461	1.469	0.666
	M83461/1-336	2.830 / 2.870	71.882 / 72.898	.205 / .215	5.207 / 5.461	1.532	0.695
	M83461/1-337	2.951 / 2.999	74.955 / 76.175	.205 / .215	5.207 / 5.461	1.594	0.723
	M83461/1-338	3.076 / 3.124	78.130 / 79.350	.205 / .215	5.207 / 5.461	1.657	0.752
	M83461/1-339	3.201 / 3.249	81.305 / 82.525	.205 / .215	5.207 / 5.461	1.719	0.780
	M83461/1-340	3.326 / 3.374	84.480 / 85.700	.205 / .215	5.207 / 5.461	1.782	0.808
	M83461/1-341	3.451 / 3.499	87.655 / 88.875	.205 / .215	5.207 / 5.461	1.845	0.837
	M83461/1-342	3.572 / 3.628	90.729 / 92.151	.205 / .215	5.207 / 5.461	1.907	0.865
	M83461/1-343	3.697 / 3.753	93.904 / 95.326	.205 / .215	5.207 / 5.461	1.970	0.894
	M83461/1-344	3.822 / 3.878	97.079 / 98.501	.205 / .215	5.207 / 5.461	2.032	0.922
	M83461/1-345	3.947 / 4.003	100.254 / 101.676	.205 / .215	5.207 / 5.461	2.095	0.950
	M83461/1-346	4.072 / 4.128	103.429 / 104.851	.205 / .215	5.207 / 5.461	2.157	0.978
	M83461/1-347	4.195 / 4.255	106.553 / 108.077	.205 / .215	5.207 / 5.461	2.220	1.007
	M83461/1-348	4.320 / 4.380	109.728 / 111.252	.205 / .215	5.207 / 5.461	2.282	1.035
	M83461/1-349	4.445 / 4.505	112.903 / 114.427	.205 / .215	5.207 / 5.461	2.345	1.064
	M83461/1-350	4.570 / 4.630	116.078 / 117.602	.205 / .215	5.207 / 5.461	2.412	1.094
	M83461/1-351	4.695 / 4.755	119.253 / 120.777	.205 / .215	5.207 / 5.461	2.474	1.122
	M83461/1-352	4.820 / 4.880	122.428 / 123.952	.205 / .215	5.207 / 5.461	2.537	1.151
	M83461/1-353	4.938 / 5.012	125.425 / 127.305	.205 / .215	5.207 / 5.461	2.600	1.179
	M83461/1-354	5.063 / 5.137	128.600 / 130.480	.205 / .215	5.207 / 5.461	2.662	1.207
	M83461/1-355	5.188 / 5.262	131.775 / 133.655	.205 / .215	5.207 / 5.461	2.725	1.236
	M83461/1-356	5.313 / 5.387	134.950 / 136.830	.205 / .215	5.207 / 5.461	2.788	1.265
	M83461/1-357	5.438 / 5.512	138.125 / 140.005	.205 / .215	5.207 / 5.461	2.851	1.293
	M83461/1-358	5.563 / 5.637	141.300 / 143.180	.205 / .215	5.207 / 5.461	2.913	1.321
	M83461/1-359	5.688 / 5.762	144.475 / 146.355	.205 / .215	5.207 / 5.461	2.976	1.350
	M83461/1-360	5.813 / 5.887	147.650 / 149.530	.205 / .215	5.207 / 5.461	3.038	1.378
	M83461/1-361	5.938 / 6.012	150.825 / 152.705	.205 / .215	5.207 / 5.461	3.101	1.407
	M83461/1-362	6.185 / 6.265	157.099 / 159.131	.205 / .215	5.207 / 5.461	3.226	1.463
	M83461/1-363	6.435 / 6.515	163.449 / 165.481	.205 / .215	5.207 / 5.461	3.352	1.520
	M83461/1-364	6.685 / 6.765	169.799 / 171.831	.205 / .215	5.207 / 5.461	3.477	1.577
	M83461/1-365	6.935 / 7.015	176.149 / 178.181	.205 / .215	5.207 / 5.461	3.603	1.634

(b)



AEROSPACE STANDARD

(R) M83461 O-RING MOLDED FROM
AMS-P-83461 RUBBER

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TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD		ØW		APPROX MASS	
		IN	(MM)	IN	(MM)	LB/100	KG/100
(b)	M83461/1-366	7.180 / 7.270	182.372 / 184.658	.205 / .215	5.207 / 5.461	3.728	1.691
	M83461/1-367	7.430 / 7.520	188.722 / 191.008	.205 / .215	5.207 / 5.461	3.854	1.748
	M83461/1-368	7.680 / 7.770	195.072 / 197.358	.205 / .215	5.207 / 5.461	3.979	1.805
	M83461/1-369	7.930 / 8.020	201.422 / 203.708	.205 / .215	5.207 / 5.461	4.104	1.862
	M83461/1-370	8.175 / 8.275	207.645 / 210.185	.205 / .215	5.207 / 5.461	4.229	1.918
	M83461/1-371	8.425 / 8.525	213.995 / 216.535	.205 / .215	5.207 / 5.461	4.355	1.975
	M83461/1-372	8.675 / 8.775	220.345 / 222.885	.205 / .215	5.207 / 5.461	4.481	2.032
	M83461/1-373	8.925 / 9.025	226.695 / 229.235	.205 / .215	5.207 / 5.461	4.605	2.089
	M83461/1-374	9.170 / 9.280	232.918 / 235.712	.205 / .215	5.207 / 5.461	4.731	2.146
	M83461/1-375	9.420 / 9.530	239.268 / 242.062	.205 / .215	5.207 / 5.461	4.856	2.203
	M83461/1-376	9.670 / 9.780	245.618 / 248.412	.205 / .215	5.207 / 5.461	4.981	2.259
	M83461/1-377	9.920 / 10.030	251.968 / 254.762	.205 / .215	5.207 / 5.461	5.107	2.317
	M83461/1-378	10.415 / 10.535	264.541 / 267.589	.205 / .215	5.207 / 5.461	5.358	2.430
	M83461/1-379	10.915 / 11.035	277.241 / 280.289	.205 / .215	5.207 / 5.461	5.608	2.544
	M83461/1-380	11.410 / 11.540	289.814 / 293.116	.205 / .215	5.207 / 5.461	5.859	2.658
	M83461/1-381	11.910 / 12.040	302.514 / 305.816	.205 / .215	5.207 / 5.461	6.110	2.771
	M83461/1-382	12.910 / 13.040	327.914 / 331.216	.205 / .215	5.207 / 5.461	6.611	2.999
	M83461/1-383	13.905 / 14.045	353.187 / 356.743	.205 / .215	5.207 / 5.461	7.113	3.226
	M83461/1-384	14.905 / 15.045	378.587 / 382.143	.205 / .215	5.207 / 5.461	7.614	3.454
	M83461/1-385	15.880 / 16.030	403.352 / 407.162	.205 / .215	5.207 / 5.461	8.105	3.676
	M83461/1-386	16.875 / 17.035	428.625 / 432.689	.205 / .215	5.207 / 5.461	8.607	3.904
	M83461/1-387	17.870 / 18.040	453.898 / 458.216	.205 / .215	5.207 / 5.461	9.108	4.131
	M83461/1-388	18.865 / 19.045	479.171 / 483.743	.205 / .215	5.207 / 5.461	9.609	4.359
	M83461/1-389	19.860 / 20.050	504.444 / 509.270	.205 / .215	5.207 / 5.461	10.111	4.586
	M83461/1-390	20.860 / 21.050	529.844 / 534.670	.205 / .215	5.207 / 5.461	10.612	4.814
	M83461/1-391	21.855 / 22.055	555.117 / 560.197	.205 / .215	5.207 / 5.461	11.114	5.041
	M83461/1-392	22.835 / 23.045	580.009 / 585.343	.205 / .215	5.207 / 5.461	11.680	5.265
	M83461/1-393	23.830 / 24.050	605.282 / 610.870	.205 / .215	5.207 / 5.461	12.109	5.493
	M83461/1-394	24.825 / 25.055	630.555 / 636.397	.205 / .215	5.207 / 5.461	12.610	5.720
	M83461/1-395	25.820 / 26.060	655.828 / 661.924	.205 / .215	5.207 / 5.461	13.112	5.948
	M83461/1-425	4.442 / 4.508	112.827 / 114.503	.269 / .281	6.833 / 7.137	4.077	1.849
	M83461/1-426	4.567 / 4.633	116.002 / 117.678	.269 / .281	6.833 / 7.137	4.185	1.898
	M83461/1-427	4.692 / 4.758	119.177 / 120.853	.269 / .281	6.833 / 7.137	4.292	1.947
	M83461/1-428	4.817 / 4.883	122.352 / 124.028	.269 / .281	6.833 / 7.137	4.399	1.995
	M83461/1-429	4.938 / 5.012	125.425 / 127.305	.269 / .281	6.833 / 7.137	4.506	2.044
	M83461/1-430	5.063 / 5.137	128.600 / 130.480	.269 / .281	6.833 / 7.137	4.614	2.093
	M83461/1-431	5.188 / 5.262	131.775 / 133.655	.269 / .281	6.833 / 7.137	4.721	2.141
	M83461/1-432	5.313 / 5.387	134.950 / 136.830	.269 / .281	6.833 / 7.137	4.828	2.190
	M83461/1-433	5.438 / 5.512	138.125 / 140.005	.269 / .281	6.833 / 7.137	4.935	2.239
M83461/1-434	5.563 / 5.637	141.300 / 143.180	.269 / .281	6.833 / 7.137	5.042	2.287	
M83461/1-435	5.688 / 5.762	144.475 / 146.355	.269 / .281	6.833 / 7.137	5.150	2.336	
M83461/1-436	5.813 / 5.887	147.650 / 149.530	.269 / .281	6.833 / 7.137	5.257	2.395	
M83461/1-437	5.938 / 6.012	150.825 / 152.705	.269 / .281	6.833 / 7.137	5.364	2.433	
M83461/1-438	6.185 / 6.265	157.099 / 159.131	.269 / .281	6.833 / 7.137	5.579	2.531	
M83461/1-439	6.435 / 6.515	163.449 / 165.481	.269 / .281	6.833 / 7.137	5.794	2.628	
M83461/1-440	6.685 / 6.765	169.799 / 171.831	.269 / .281	6.833 / 7.137	6.008	2.725	



AEROSPACE STANDARD

(R) M83461 O-RING MOLDED FROM
AMS-P-83461 RUBBER

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SHEET 8 OF 11

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