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REV. A			FEDERAL SUPPLY CLASS 5330
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	AMS SPECIFICATION		AMS-R-83485/1
	RUBBER, FLUOROCARBON ELASTOMER, IMPROVED PERFORMANCE AT LOW TEMPERATURES, O-RINGS, SIZES AND TOLERANCES		

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The complete requirements for procuring the o-ring described herein shall consist of this document and the issue in effect of Specification MIL-R-83485 (USAF).

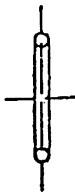
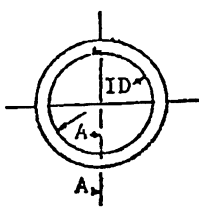
Purpose: The purpose of this specification sheet is to set up a standardized part numbering system for o-rings procured to MIL-R-83485 (USAF).

Intended Use. These o-rings are recommended for use in packing glands as specified in MIL-G-5514.

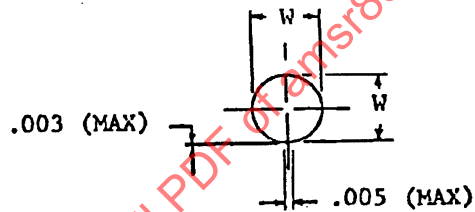
Part Numbers. When this document is used for procurement of o-rings, part numbers shall consist of the following:

1. The letter M and the specification sheet number.
2. A dash followed by the appropriate dash number from Table I or Table II.

Example 1
M83485/1-214



Example 2
M83485/1-340



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TABLE I. O-RING SIZES

DASH NO.	ACTUAL SIZE				DASH NO.	ACTUAL SIZE			
	W		ID			W		ID	
001	.040	$\pm .003$	.029	$\pm .004$	041	.070	$\pm .003$	2.989	$\pm .024$
002	.050		.042	$\downarrow$	042	$\downarrow$	$\downarrow$	3.239	$\downarrow$
003	.060		.056	$\downarrow$	043	$\downarrow$	$\downarrow$	3.489	$\downarrow$
004	.070	$\pm .003$	.070	$\pm .005$	044	$\downarrow$	$\downarrow$	3.739	$\pm .027$
005	$\downarrow$	$\downarrow$	.101	$\downarrow$	045	$\downarrow$	$\downarrow$	3.989	$\downarrow$
006	$\downarrow$	$\downarrow$	.114	$\downarrow$	046	$\downarrow$	$\downarrow$	4.239	$\pm .030$
007	$\downarrow$	$\downarrow$	.145	$\downarrow$	047	$\downarrow$	$\downarrow$	4.489	$\downarrow$
008	$\downarrow$	$\downarrow$	.176	$\downarrow$	048	$\downarrow$	$\downarrow$	4.739	$\downarrow$
009	$\downarrow$	$\downarrow$	.208	$\downarrow$	049	$\downarrow$	$\downarrow$	4.989	$\pm .037$
010	$\downarrow$	$\downarrow$	.239	$\downarrow$	050	$\downarrow$	$\downarrow$	5.239	$\downarrow$
011	$\downarrow$	$\downarrow$	.301	$\downarrow$	102	.103	$\pm .003$	.049	$\pm .005$
012	$\downarrow$	$\downarrow$	.364	$\downarrow$	103	$\downarrow$	$\downarrow$	.081	$\downarrow$
013	$\downarrow$	$\downarrow$	.426	$\downarrow$	104	$\downarrow$	$\downarrow$	.112	$\downarrow$
014	$\downarrow$	$\downarrow$	.489	$\downarrow$	105	$\downarrow$	$\downarrow$	.143	$\downarrow$
015	$\downarrow$	$\downarrow$	.551	$\pm .007$	106	$\downarrow$	$\downarrow$	.174	$\downarrow$
016	$\downarrow$	$\downarrow$	.614	$\pm .009$	107	$\downarrow$	$\downarrow$	.206	$\downarrow$
017	$\downarrow$	$\downarrow$	.676	$\downarrow$	108	$\downarrow$	$\downarrow$	.237	$\downarrow$
018	$\downarrow$	$\downarrow$	.739	$\downarrow$	109	$\downarrow$	$\downarrow$	.299	$\downarrow$
019	$\downarrow$	$\downarrow$	.801	$\downarrow$	110	$\downarrow$	$\downarrow$	.362	$\downarrow$
020	$\downarrow$	$\downarrow$	.864	$\downarrow$	111	$\downarrow$	$\downarrow$	.424	$\downarrow$
021	$\downarrow$	$\downarrow$	.926	$\downarrow$	112	$\downarrow$	$\downarrow$	.487	$\downarrow$
022	$\downarrow$	$\downarrow$	.989	$\pm .010$	113	$\downarrow$	$\downarrow$	.549	$\pm .007$
023	$\downarrow$	$\downarrow$	1.051	$\downarrow$	114	$\downarrow$	$\downarrow$	.612	$\pm .009$
024	$\downarrow$	$\downarrow$	1.114	$\downarrow$	115	$\downarrow$	$\downarrow$	.674	$\downarrow$
025	$\downarrow$	$\downarrow$	1.176	$\pm .011$	116	$\downarrow$	$\downarrow$	.737	$\downarrow$
026	$\downarrow$	$\downarrow$	1.239	$\downarrow$	117	$\downarrow$	$\downarrow$	.799	$\pm .010$
027	$\downarrow$	$\downarrow$	1.301	$\downarrow$	118	$\downarrow$	$\downarrow$	.862	$\downarrow$
028	$\downarrow$	$\downarrow$	1.364	$\pm .013$	119	$\downarrow$	$\downarrow$	.924	$\downarrow$
029	$\downarrow$	$\downarrow$	1.489	$\downarrow$	120	$\downarrow$	$\downarrow$	.987	$\downarrow$
030	$\downarrow$	$\downarrow$	1.614	$\downarrow$	121	$\downarrow$	$\downarrow$	1.049	$\downarrow$
031	$\downarrow$	$\downarrow$	1.739	$\pm .015$	122	$\downarrow$	$\downarrow$	1.112	$\downarrow$
032	$\downarrow$	$\downarrow$	1.864	$\downarrow$	123	$\downarrow$	$\downarrow$	1.174	$\pm .012$
033	$\downarrow$	$\downarrow$	1.989	$\pm .018$	124	$\downarrow$	$\downarrow$	1.237	$\downarrow$
034	$\downarrow$	$\downarrow$	2.114	$\downarrow$	125	$\downarrow$	$\downarrow$	1.299	$\downarrow$
035	$\downarrow$	$\downarrow$	2.239	$\downarrow$	126	$\downarrow$	$\downarrow$	1.362	$\downarrow$
036	$\downarrow$	$\downarrow$	2.364	$\downarrow$	127	$\downarrow$	$\downarrow$	1.424	$\downarrow$
037	$\downarrow$	$\downarrow$	2.489	$\downarrow$	128	$\downarrow$	$\downarrow$	1.487	$\downarrow$
038	$\downarrow$	$\downarrow$	2.614	$\pm .020$	129	$\downarrow$	$\downarrow$	1.549	$\pm .015$
039	$\downarrow$	$\downarrow$	2.739	$\downarrow$	130	$\downarrow$	$\downarrow$	1.612	$\downarrow$
040	$\downarrow$	$\downarrow$	2.864	$\downarrow$					



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TABLE I (CON'T) O-RING SIZES

DASH NO.	ACTUAL SIZE				DASH NO.	ACTUAL SIZE			
	W		ID			W		ID	
131	.103	±.003	1.674	±.015	171	.103	±.003	7.987	±.045
132	↓	↓	1.737	↓	172	↓	↓	8.237	±.050
133	↓	↓	1.799	↓	173	↓	↓	8.487	↓
134	↓	↓	1.862	↓	174	↓	↓	8.737	↓
135	↓	↓	1.925	±.017	175	↓	↓	8.987	↓
136	↓	↓	1.987	↓	176	↓	↓	9.237	±.055
137	↓	↓	2.050	↓	177	↓	↓	9.487	↓
138	↓	↓	2.112	↓	178	↓	↓	9.737	↓
139	↓	↓	2.175	↓	201	.139	±.004	.171	±.005
140	↓	↓	2.237	↓	202	↓	↓	.234	↓
141	↓	↓	2.300	±.020	203	↓	↓	.296	↓
142	↓	↓	2.362	↓	204	↓	↓	.359	↓
143	↓	↓	2.425	↓	205	↓	↓	.421	↓
144	↓	↓	2.487	↓	206	↓	↓	.484	↓
145	↓	↓	2.550	↓	207	↓	↓	.546	±.007
146	↓	↓	2.612	↓	208	↓	↓	.609	±.009
147	↓	↓	2.675	±.022	209	↓	↓	.671	↓
148	↓	↓	2.737	↓	210	↓	↓	.734	±.010
149	↓	↓	2.800	↓	211	↓	↓	.796	↓
150	↓	↓	2.862	↓	212	↓	↓	.859	↓
151	↓	↓	2.987	±.024	213	↓	↓	.921	↓
152	↓	↓	3.237	↓	214	↓	↓	.984	↓
153	↓	↓	3.487	↓	215	↓	↓	1.046	↓
154	↓	↓	3.737	±.028	216	↓	↓	1.109	±.012
155	↓	↓	3.987	↓	217	↓	↓	1.171	↓
156	↓	↓	4.237	±.030	218	↓	↓	1.234	↓
157	↓	↓	4.487	↓	219	↓	↓	1.296	↓
158	↓	↓	4.737	↓	220	↓	↓	1.359	↓
159	↓	↓	4.987	±.035	221	↓	↓	1.421	↓
160	↓	↓	5.237	↓	222	↓	↓	1.484	±.015
161	↓	↓	5.487	↓	223	↓	↓	1.609	↓
162	↓	↓	5.737	↓	224	↓	↓	1.734	↓
163	↓	↓	5.987	↓	225	.139	±.004	1.859	±.018
164	↓	↓	6.237	±.040	226	↓	↓	1.984	↓
165	↓	↓	6.487	↓	227	↓	↓	2.109	↓
166	↓	↓	6.737	↓	228	↓	↓	2.234	±.020
167	↓	↓	6.987	↓	229	↓	↓	2.359	↓
168	↓	↓	7.237	±.045	230	↓	↓	2.484	↓
169	↓	↓	7.487	↓	231	↓	↓	2.609	↓
170	↓	↓	7.737	↓					



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TABLE I (CON'T) O-RING SIZES

DASH NO.	ACTUAL SIZE				DASH NO.	ACTUAL SIZE			
	W		ID			W		ID	
232	.139	±.004	2.734	±.024	273	.139	±.004	9.734	±.055
233	↓	↓	2.859	↓	274	↓	↓	9.984	↓
234	↓	↓	2.984	↓	275	↓	↓	10.484	↓
235	↓	↓	3.109	↓	276	↓	↓	10.984	±.065
236	↓	↓	3.234	↓	277	↓	↓	11.484	↓
237	↓	↓	3.359	↓	278	↓	↓	11.984	↓
238	↓	↓	3.484	↓	279	↓	↓	12.984	↓
239	↓	↓	3.609	±.028	280	↓	↓	13.984	↓
240	↓	↓	3.734	↓	281	↓	↓	14.984	↓
241	↓	↓	3.859	↓	282	↓	↓	15.955	±.075
242	↓	↓	3.984	↓	283	↓	↓	16.955	±.080
243	↓	↓	4.109	↓	284	↓	↓	17.955	±.085
244	↓	↓	4.234	±.030	309	.210	±.005	.412	±.005
245	↓	↓	4.359	↓	310	↓	↓	.475	↓
246	↓	↓	4.484	↓	311	↓	↓	.537	±.007
247	↓	↓	4.609	↓	312	↓	↓	.600	±.009
248	↓	↓	4.734	↓	313	↓	↓	.662	↓
249	↓	↓	4.859	±.035	314	↓	↓	.725	±.010
250	↓	↓	4.984	↓	315	↓	↓	.787	↓
251	↓	↓	5.109	↓	316	↓	↓	.850	↓
252	↓	↓	5.234	↓	317	↓	↓	.912	↓
253	↓	↓	5.359	↓	318	↓	↓	.975	±.010
254	↓	↓	5.484	↓	319	↓	↓	1.037	↓
255	↓	↓	5.609	↓	320	↓	↓	1.100	±.012
256	↓	↓	5.734	↓	321	↓	↓	1.162	↓
257	↓	↓	5.859	↓	322	↓	↓	1.225	↓
258	↓	↓	5.984	↓	323	↓	↓	1.287	↓
259	↓	↓	6.234	±.040	324	↓	↓	1.350	↓
260	↓	↓	6.484	↓	325	↓	↓	1.475	±.015
261	↓	↓	6.734	↓	326	↓	↓	1.600	↓
262	↓	↓	6.984	↓	327	↓	↓	1.725	↓
263	↓	↓	7.234	±.045	328	↓	↓	1.850	↓
264	↓	↓	7.484	↓	329	↓	↓	1.975	±.018
265	↓	↓	7.734	↓	330	↓	↓	2.100	↓
266	↓	↓	7.984	↓	331	↓	↓	2.225	↓
267	↓	↓	8.234	±.050	332	↓	↓	2.350	↓
268	↓	↓	8.484	↓	333	↓	↓	2.475	±.020
269	↓	↓	8.734	↓	334	↓	↓	2.600	↓
270	↓	↓	8.984	↓	335	↓	↓	2.725	↓
271	↓	↓	9.234	±.055	336	↓	↓	2.850	↓
272	↓	↓	9.484	↓					



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TABLE I (CON'T) O-RING SIZES

DASH NO.	ACTUAL SIZE				DASH NO.	ACTUAL SIZE			
	W		ID			W		ID	
337	.210	$\pm .005$	2.975	$\pm .024$	378	.210	$\pm .005$	10.475	$\pm .060$
338			3.100	↓	379			10.975	↓
339			3.225	↓	380			11.475	$\pm .065$
340			3.350	↓	381			11.975	↓
341			3.475	↓	382			12.975	↓
342			3.600	$\pm .028$	383			13.975	$\pm .070$
343			3.725	↓	384			14.975	↓
344			3.850	↓	385			15.955	$\pm .075$
345			3.975	↓	386			16.955	$\pm .080$
346			4.100	↓	387			17.955	$\pm .085$
347			4.225	$\pm .030$	388			18.955	$\pm .090$
348			4.350	↓	389			19.955	$\pm .095$
349			4.475	↓	390			20.955	↓
350			4.600	↓	391			21.955	$\pm .100$
351			4.725	↓	392			22.940	$\pm .105$
352			4.850	↓	393			23.940	$\pm .110$
353			4.975	$\pm .037$	394			24.940	$\pm .115$
354			5.100	↓	395			25.940	$\pm .120$
355			5.225	↓	425	.275	$\pm .006$	4.475	$\pm .033$
356			5.350	↓	426			4.600	↓
357			5.475	↓	427			4.725	↓
358			5.600	↓	428			4.850	↓
359			5.725	↓	429			4.975	$\pm .037$
360			5.850	↓	430			5.100	↓
361			5.975	↓	431			5.225	↓
362			6.225	$\pm .040$	432			5.350	↓
363			6.475	↓	433			5.475	↓
364			6.725	↓	434			5.600	↓
365			6.975	↓	435			5.725	↓
366			7.225	$\pm .045$	436			5.850	↓
367			7.475	↓	437			5.975	↓
368			7.725	↓	438			6.225	$\pm .040$
369			7.975	↓	439			6.475	↓
370			8.225	$\pm .050$	440			6.725	↓
371			8.475	↓	441			6.975	↓
372			8.725	↓	442			7.225	$\pm .045$
373			8.975	↓	443			7.475	↓
374			9.225	$\pm .055$	444			7.725	↓
375			9.475	↓	445			7.975	↓
376			9.725	↓	446			8.475	$\pm .055$
377			9.975	↓					



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