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REV. B
AS5729™

FEDERAL SUPPLY CLASS
5331

RATIONALE

REVISION B OF THIS DOCUMENT REFLECTS VARIOUS TECHNICAL AND EDITORIAL CORRECTIONS AND IMPROVEMENTS IDENTIFIED DURING ITS FIVE-YEAR REVIEW.

1. SCOPE

THIS STANDARD ESTABLISHES THE DIMENSIONAL AND VISUAL QUALITY REQUIREMENTS, LOT REQUIREMENTS AND PACKAGING AND LABELING REQUIREMENTS FOR O-RINGS MOLDED FROM AMS7379 FLUOROCARBON (FKM) RUBBER. IT SHALL BE USED FOR PROCUREMENT PURPOSES.

1.1 APPLICATION

THIS MATERIAL HAS EXHIBITED EXCELLENT LOW TEMPERATURE FUNCTIONALITY ALONG WITH RESISTANCE TO A VARIETY OF GAS TURBINE ENGINE OILS, INCLUDING HIGH THERMAL STABILITY (HTS) OILS, FUELS, AND HYDRAULIC FLUIDS, BUT USAGE IS NOT LIMITED TO SUCH APPLICATIONS. THIS MATERIAL HAS A TYPICAL SERVICE TEMPERATURE RANGE OF -50 TO +400 °F (-45 TO +204 °C). THE SERVICE TEMPERATURE RANGE OF THE MATERIAL IS A GENERAL TEMPERATURE RANGE, BUT THE PRESENCE OF PARTICULAR FLUIDS AND DESIGN PARAMETERS MAY MODIFY THIS RANGE. EACH APPLICATION SHOULD BE CONSIDERED SEPARATELY. IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THAT THIS SPECIFICATION IS APPROPRIATE FOR THE ENVIRONMENTS (TEMPERATURE RANGE, FLUIDS EXPOSURE, ETC.) IN WHICH IT IS SOUGHT TO BE USED.

2. APPLICABLE REFERENCES

THE FOLLOWING PUBLICATIONS FORM A PART OF THIS DOCUMENT TO THE EXTENT SPECIFIED HEREIN. THE LATEST ISSUE OF SAE PUBLICATIONS SHALL APPLY. THE APPLICABLE ISSUE OF OTHER PUBLICATIONS SHALL BE THE ISSUE IN EFFECT ON THE DATE OF THE PURCHASE ORDER. IN THE EVENT OF CONFLICT BETWEEN THE TEXT OF THIS DOCUMENT AND REFERENCES CITED HEREIN, THE TEXT OF THIS DOCUMENT TAKES PRECEDENCE. NOTHING IN THIS DOCUMENT, HOWEVER, SUPERSEDES APPLICABLE LAWS AND REGULATIONS UNLESS A SPECIFIC EXEMPTION HAS BEEN OBTAINED.

2.1 SAE PUBLICATIONS

AVAILABLE FROM SAE, 400 COMMONWEALTH DRIVE, WARRENDALE, PA 15096-0001, TEL: 877-606-7323 (INSIDE U.S. AND CANADA) OR +1 724-776-4970 (OUTSIDE U.S.), WWW.SAE.ORG

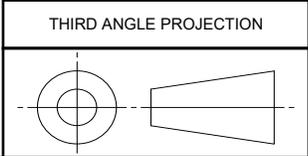
- AMS2817 PACKAGING AND IDENTIFICATION OF MOLDED ELASTOMERIC SEALS AND SEALING COMPONENTS
- AMS7379 RUBBER, FLUROCARBON ELASTOMER (FKM) LOW TEMPERATURE SEALING TG -40 °F (-40 °C) 70 TO 80 TYPE "A" HARDNESS FOR ELASTOMER SEALS IN AIRCRAFT ENGINE OIL, FUEL AND HYDRAULICS SYSTEMS
- AS5316 STORAGE OF ELASTOMERS AND SEAL ASSEMBLIES WHICH INCLUDE AN ELASTOMER ELEMENT BEFORE THE HARDWARE ASSEMBLY
- AS5798 AEROSPACE SIZE STANDARD FOR OVERSIZE O-RINGS

2.2 ASQ PUBLICATIONS

AVAILABLE FROM AMERICAN SOCIETY FOR QUALITY, 600 NORTH PLANKINTON AVENUE, MILWAUKEE, WI 53203 OR WWW.ASQ.ORG

- ANSI/ASQ Z14 SAMPLING PROCEDURES AND TABLES FOR INSPECTION BY ATTRIBUTES

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5729B/>



CUSTODIAN: A-6/A-6C2 PROCUREMENT SPECIFICATION: NONE

	AEROSPACE STANDARD	AS5729™ SHEET 1 OF 13	REV. B
	O-RING MOLDED FROM AMS7379 FLUOROCARBON (FKM) MATERIAL		

ISSUED 2011-03 REVISED 2023-06

2.3 ASME PUBLICATIONS

AVAILABLE FROM ASME, TWO PARK AVENUE, NEW YORK, NY 10016-5990, TEL: +1 800-843-2763,
WWW.CUSTOMERCARE@ASME.ORG.

ASME Y14.5-1994 DIMENSIONING AND TOLERANCING REQUIREMENTS

2.4 ASTM PUBLICATIONS

AVAILABLE FROM ASTM INTERNATIONAL, 100 BARR HARBOR DRIVE, P.O. BOX C700, WEST CONSHOHOCKEN, PA
19428-2959, TEL: 610-832-9585, WWW.ASTM.ORG.

ASTM D910 STANDARD SPECIFICATION FOR LEADED AVIATION GASOLINES

ASTM D1655 STANDARD SPECIFICATION FOR AVIATION TURBINE FUELS

2.5 ISO PUBLICATIONS

COPIES OF THESE DOCUMENTS ARE AVAILABLE ONLINE AT [HTTPS://WEBSTORE.ANSI.ORG](https://webstore.ansi.org).

ISO 3601-1 FLUID POWER SYSTEMS - O-RINGS - PART 1: INSIDE DIAMETERS, CROSS SECTIONS,
TOLERANCES AND DESIGNATION CODES

ISO 3601-3 FLUID POWER SYSTEMS - O-RINGS - PART 3: QUALITY ACCEPTANCE CRITERIA

2.6 U.S. GOVERNMENT PUBLICATIONS

COPIES OF THESE DOCUMENTS ARE AVAILABLE ONLINE AT [HTTPS://QUICKSEARCH.DLA.MIL](https://quicksearch.dla.mil).

MIL-DTL-5624 TURBINE FUEL, AVIATION, GRADES JP-4 AND JP-5

MIL-DTL-83133 TURBINE FUEL, AVIATION, KEROSENE TYPE, JP-8 (NATO F-34), NATO F-35, AND JP-8+100 (NATO F-
37)

MIL-PRF-5606 HYDRAULIC FLUID, PETROLEUM BASE; AIRCRAFT, MISSILE, AND ORDNANCE

MIL-PRF-7808 LUBRICATING OIL, AIRCRAFT TURBINE ENGINE, SYNTHETIC BASE

MIL-PRF-23699 LUBRICATING OIL, AIRCRAFT TURBINE ENGINE, SYNTHETIC BASE, NATO CODE NUMBERS: O-152,
O-154, O-156, AND O-167

MIL-PRF-83282 HYDRAULIC FLUID, FIRE RESISTANT, SYNTHETIC HYDROCARBON BASE, METRIC, NATO CODE
NUMBER H-537

MIL-PRF-87257 HYDRAULIC FLUID, FIRE RESISTANT, LOW TEMPERATURE, SYNTHETIC HYDROCARBON BASE,
AIRCRAFT AND MISSILE

2.7 UK MINISTRY OF DEFENCE STANDARDS

AVAILABLE FROM UK DEFENCE STANDARDIZATION, KENSINGTON HOUSE, ROOM 1138, 65 BROWN STREET,
GLASGOW G2 8EX, UNITED KINGDOM WWW.GOV.UK.

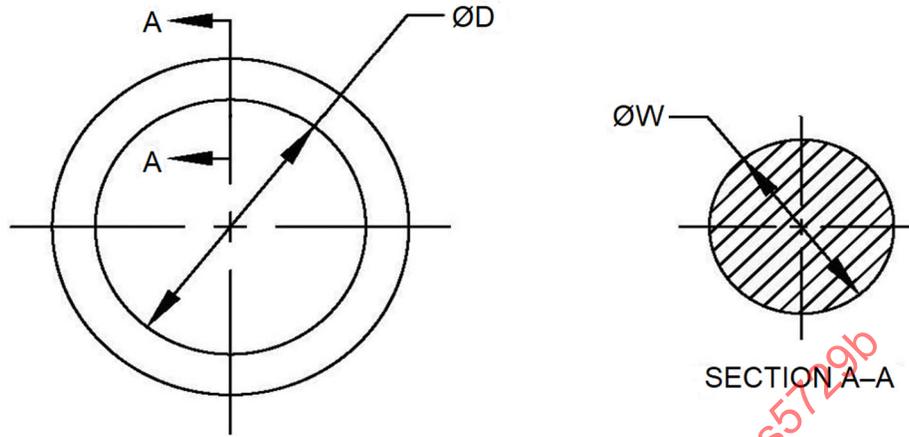
DEF STAN 91-91 TURBINE FUEL, KEROSENE TYPE, JET A-1 NATO CODE: F-35

	AEROSPACE STANDARD	AS5729™ SHEET 2 OF 13	REV. B
	O-RING MOLDED FROM AMS7379 FLUOROCARBON (FKM) MATERIAL		

3. O-RING PART NUMBERS, DIMENSIONS, AND MASSES

FIGURE 1 ILLUSTRATES THE O-RING DIMENSIONS THAT ARE USED IN THIS STANDARD.

TABLE 1 PROVIDES THE PART NUMBERS, DIMENSIONS AND APPROXIMATE MASSES FOR AEROSPACE STANDARD SIZE O-RINGS.



NOTE: DIMENSIONS AND TOLERANCES AS PER ASME Y14.5-1994

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

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	AEROSPACE STANDARD	AS5729™ SHEET 3 OF 13	REV. B
	O-RING MOLDED FROM AMS7379 FLUOROCARBON (FKM) MATERIAL		

TABLE 1 - AEROSPACE SIZE STANDARDS FOR O-RINGS

BASIC NO. AS5729 11/12/ SIZE CODE	ØD INCH MIN	ØD INCH MAX	ØD (mm) MIN	ØD (mm) MAX	ØW INCH MIN	ØW INCH MAX	ØW (mm) MIN	ØW (mm) MAX	APPROX MASS LB/100	APPROX MASS (KG/100)
001	.025	.033	0.64	0.84	.037	.043	0.94	1.09	0.002	0.001
002	.038	.046	0.97	1.17	.047	.053	1.19	1.35	0.003	0.001
003	.052	.060	1.32	1.52	.057	.063	1.45	1.60	0.005	0.002
004	.065	.075	1.65	1.91	.067	.073	1.70	1.85	0.007	0.003
005	.096	.106	2.44	2.69	.067	.073	1.70	1.85	0.008	0.004
006	.109	.119	2.77	3.02	.067	.073	1.70	1.85	0.009	0.004
007	.140	.150	3.56	3.81	.067	.073	1.70	1.85	0.009	0.004
008	.171	.181	4.34	4.60	.067	.073	1.70	1.85	0.010	0.005
009	.203	.213	5.16	5.41	.067	.073	1.70	1.85	0.011	0.005
010	.234	.244	5.94	6.20	.067	.073	1.70	1.85	0.012	0.005
011	.296	.306	7.52	7.77	.067	.073	1.70	1.85	0.013	0.006
012	.359	.369	9.12	9.37	.067	.073	1.70	1.85	0.015	0.007
013	.421	.431	10.69	10.95	.067	.073	1.70	1.85	0.017	0.008
014	.484	.494	12.29	12.55	.067	.073	1.70	1.85	0.018	0.008
015	.544	.558	13.82	14.17	.067	.073	1.70	1.85	0.020	0.009
016	.605	.623	15.37	15.82	.067	.073	1.70	1.85	0.021	0.010
017	.667	.685	16.94	17.40	.067	.073	1.70	1.85	0.023	0.010
018	.730	.748	18.54	19.00	.067	.073	1.70	1.85	0.025	0.011
019	.792	.810	20.12	20.57	.067	.073	1.70	1.85	0.026	0.012
020	.855	.873	21.72	22.17	.067	.073	1.70	1.85	0.028	0.013
021	.917	.935	23.29	23.75	.067	.073	1.70	1.85	0.029	0.013
022	.979	.999	24.87	25.37	.067	.073	1.70	1.85	0.031	0.014
023	1.041	1.061	26.44	26.95	.067	.073	1.70	1.85	0.033	0.015
024	1.104	1.124	28.04	28.55	.067	.073	1.70	1.85	0.034	0.016
025	1.165	1.187	29.59	30.15	.067	.073	1.70	1.85	0.036	0.016
026	1.228	1.250	31.19	31.75	.067	.073	1.70	1.85	0.037	0.017
027	1.290	1.312	32.77	33.32	.067	.073	1.70	1.85	0.039	0.018
028	1.351	1.377	34.32	34.98	.067	.073	1.70	1.85	0.041	0.018
029	1.476	1.502	37.49	38.15	.067	.073	1.70	1.85	0.044	0.020
030	1.601	1.627	40.67	41.33	.067	.073	1.70	1.85	0.047	0.021
031	1.724	1.754	43.79	44.55	.067	.073	1.70	1.85	0.050	0.023
032	1.849	1.879	46.96	47.73	.067	.073	1.70	1.85	0.053	0.024
033	1.971	2.007	50.06	50.98	.067	.073	1.70	1.85	0.057	0.026
034	2.096	2.132	53.24	54.15	.067	.073	1.70	1.85	0.060	0.027
035	2.221	2.257	56.41	57.33	.067	.073	1.70	1.85	0.063	0.029
036	2.346	2.382	59.59	60.50	.067	.073	1.70	1.85	0.066	0.030
037	2.471	2.507	62.76	63.68	.067	.073	1.70	1.85	0.069	0.032
038	2.594	2.634	65.89	66.90	.067	.073	1.70	1.85	0.073	0.033
039	2.719	2.759	69.06	70.08	.067	.073	1.70	1.85	0.076	0.035
040	2.844	2.884	72.24	73.25	.067	.073	1.70	1.85	0.079	0.036
041	2.965	3.013	75.31	76.53	.067	.073	1.70	1.85	0.082	0.037
042	3.215	3.263	81.66	82.88	.067	.073	1.70	1.85	0.089	0.040
043	3.465	3.513	88.01	89.23	.067	.073	1.70	1.85	0.095	0.043
044	3.712	3.766	94.28	95.66	.067	.073	1.70	1.85	0.102	0.046
045	3.962	4.016	100.63	102.01	.067	.073	1.70	1.85	0.108	0.049
046	4.209	4.269	106.91	108.43	.067	.073	1.70	1.85	0.114	0.052
047	4.459	4.519	113.26	114.78	.067	.073	1.70	1.85	0.121	0.055
048	4.709	4.769	119.61	121.13	.067	.073	1.70	1.85	0.127	0.058
049	4.952	5.026	125.78	127.66	.067	.073	1.70	1.85	0.134	0.061
050	5.202	5.276	132.13	134.01	.067	.073	1.70	1.85	0.140	0.064

TABLE 1 - AEROSPACE SIZE STANDARDS FOR O-RINGS (CONTINUED)

BASIC NO. AS5729 /1/ /2/ SIZE CODE	ØD INCH MIN	ØD INCH MAX	ØD (mm) MIN	ØD (mm) MAX	ØW INCH MIN	ØW INCH MAX	ØW (mm) MIN	ØW (mm) MAX	APPROX MASS LB/100	APPROX MASS (KG/100)
102	.044	.054	1.12	1.37	.100	.106	2.54	2.69	0.019	0.009
103	.076	.086	1.93	2.18	.100	.106	2.54	2.69	0.020	0.009
104	.107	.117	2.72	2.97	.100	.106	2.54	2.69	0.021	0.010
105	.138	.148	3.51	3.76	.100	.106	2.54	2.69	0.022	0.010
106	.169	.179	4.29	4.55	.100	.106	2.54	2.69	0.023	0.010
107	.201	.211	5.11	5.36	.100	.106	2.54	2.69	0.023	0.011
108	.232	.242	5.89	6.15	.100	.106	2.54	2.69	0.024	0.011
109	.294	.304	7.47	7.72	.100	.106	2.54	2.69	0.026	0.012
110	.357	.367	9.07	9.32	.100	.106	2.54	2.69	0.027	0.012
111	.419	.429	10.64	10.90	.100	.106	2.54	2.69	0.029	0.013
112	.482	.492	12.24	12.50	.100	.106	2.54	2.69	0.031	0.014
113	.542	.556	13.77	14.12	.100	.106	2.54	2.69	0.032	0.015
114	.603	.621	15.32	15.77	.100	.106	2.54	2.69	0.034	0.015
115	.665	.683	16.89	17.35	.100	.106	2.54	2.69	0.035	0.016
116	.728	.746	18.49	18.95	.100	.106	2.54	2.69	0.037	0.017
117	.789	.809	20.04	20.55	.100	.106	2.54	2.69	0.039	0.018
118	.852	.872	21.64	22.15	.100	.106	2.54	2.69	0.040	0.018
119	.914	.934	23.22	23.72	.100	.106	2.54	2.69	0.042	0.019
120	.977	.997	24.82	25.32	.100	.106	2.54	2.69	0.043	0.020
121	1.039	1.059	26.39	26.90	.100	.106	2.54	2.69	0.045	0.020
122	1.102	1.122	27.99	28.50	.100	.106	2.54	2.69	0.047	0.021
123	1.162	1.186	29.51	30.12	.100	.106	2.54	2.69	0.048	0.022
124	1.225	1.249	31.12	31.72	.100	.106	2.54	2.69	0.050	0.023
125	1.287	1.311	32.69	33.30	.100	.106	2.54	2.69	0.051	0.023
126	1.350	1.374	34.29	34.90	.100	.106	2.54	2.69	0.053	0.024
127	1.412	1.436	35.86	36.47	.100	.106	2.54	2.69	0.055	0.025
128	1.475	1.499	37.46	38.07	.100	.106	2.54	2.69	0.056	0.026
129	1.534	1.564	38.96	39.73	.100	.106	2.54	2.69	0.058	0.026
130	1.597	1.627	40.56	41.33	.100	.106	2.54	2.69	0.059	0.027
131	1.659	1.689	42.14	42.90	.100	.106	2.54	2.69	0.061	0.028
132	1.722	1.752	43.74	44.50	.100	.106	2.54	2.69	0.063	0.028
133	1.784	1.814	45.31	46.08	.100	.106	2.54	2.69	0.064	0.029
134	1.847	1.877	46.91	47.68	.100	.106	2.54	2.69	0.066	0.030
135	1.908	1.942	48.46	49.33	.100	.106	2.54	2.69	0.067	0.031
136	1.970	2.004	50.04	50.90	.100	.106	2.54	2.69	0.069	0.031
137	2.033	2.067	51.64	52.50	.100	.106	2.54	2.69	0.071	0.032
138	2.095	2.129	53.21	54.08	.100	.106	2.54	2.69	0.072	0.033
139	2.158	2.192	54.81	55.68	.100	.106	2.54	2.69	0.074	0.034
140	2.220	2.254	56.39	57.25	.100	.106	2.54	2.69	0.075	0.034
141	2.280	2.320	57.91	58.93	.100	.106	2.54	2.69	0.077	0.035
142	2.342	2.382	59.49	60.50	.100	.106	2.54	2.69	0.079	0.036
143	2.405	2.445	61.09	62.10	.100	.106	2.54	2.69	0.080	0.036
144	2.467	2.507	62.66	63.68	.100	.106	2.54	2.69	0.082	0.037
145	2.530	2.570	64.26	65.28	.100	.106	2.54	2.69	0.083	0.038
146	2.592	2.632	65.84	66.85	.100	.106	2.54	2.69	0.085	0.039
147	2.653	2.697	67.39	68.50	.100	.106	2.54	2.69	0.087	0.039
148	2.715	2.759	68.96	70.08	.100	.106	2.54	2.69	0.088	0.040
149	2.778	2.822	70.56	71.68	.100	.106	2.54	2.69	0.090	0.041

TABLE 1 - AEROSPACE SIZE STANDARDS FOR O-RINGS (CONTINUED)

BASIC NO. AS5729 /1/ /2/ SIZE CODE	ØD INCH MIN	ØD INCH MAX	ØD (mm) MIN	ØD (mm) MAX	ØW INCH MIN	ØW INCH MAX	ØW (mm) MIN	ØW (mm) MAX	APPROX MASS LB/100	APPROX MASS (KG/100)
150	2.840	2.884	72.14	73.25	.100	.106	2.54	2.69	0.091	0.042
151	2.963	3.011	75.26	76.48	.100	.106	2.54	2.69	0.095	0.043
152	3.213	3.261	81.61	82.83	.100	.106	2.54	2.69	0.101	0.046
153	3.463	3.511	87.96	89.18	.100	.106	2.54	2.69	0.108	0.049
154	3.709	3.765	94.21	95.63	.100	.106	2.54	2.69	0.114	0.052
155	3.959	4.015	100.56	101.98	.100	.106	2.54	2.69	0.120	0.055
156	4.207	4.267	106.86	108.38	.100	.106	2.54	2.69	0.127	0.058
157	4.457	4.517	113.21	114.73	.100	.106	2.54	2.69	0.133	0.061
158	4.707	4.767	119.56	121.08	.100	.106	2.54	2.69	0.140	0.063
159	4.952	5.022	125.78	127.56	.100	.106	2.54	2.69	0.146	0.066
160	5.202	5.272	132.13	133.91	.100	.106	2.54	2.69	0.152	0.069
161	5.452	5.522	138.48	140.26	.100	.106	2.54	2.69	0.159	0.072
162	5.702	5.772	144.83	146.61	.100	.106	2.54	2.69	0.165	0.075
163	5.952	6.022	151.18	152.96	.100	.106	2.54	2.69	0.172	0.078
164	6.197	6.277	157.40	159.44	.100	.106	2.54	2.69	0.178	0.081
165	6.447	6.527	163.75	165.79	.100	.106	2.54	2.69	0.184	0.084
166	6.697	6.777	170.10	172.14	.100	.106	2.54	2.69	0.191	0.087
167	6.947	7.027	176.45	178.49	.100	.106	2.54	2.69	0.197	0.090
168	7.192	7.282	182.68	184.96	.100	.106	2.54	2.69	0.204	0.093
169	7.442	7.532	189.03	191.31	.100	.106	2.54	2.69	0.210	0.095
170	7.692	7.782	195.38	197.66	.100	.106	2.54	2.69	0.217	0.098
171	7.942	8.032	201.73	204.01	.100	.106	2.54	2.69	0.223	0.101
172	8.187	8.287	207.95	210.49	.100	.106	2.54	2.69	0.229	0.104
173	8.437	8.537	214.30	216.84	.100	.106	2.54	2.69	0.236	0.107
174	8.687	8.787	220.65	223.19	.100	.106	2.54	2.69	0.242	0.110
175	8.937	9.037	227.00	229.54	.100	.106	2.54	2.69	0.249	0.113
176	9.182	9.292	233.22	236.02	.100	.106	2.54	2.69	0.255	0.116
177	9.432	9.542	239.57	242.37	.100	.106	2.54	2.69	0.261	0.119
178	9.682	9.792	245.92	248.72	.100	.106	2.54	2.69	0.268	0.122
201	0.166	0.176	4.22	4.47	.135	.143	3.43	3.63	0.049	0.022
202	0.229	0.239	5.82	6.07	.135	.143	3.43	3.63	0.050	0.023
203	0.291	0.301	7.39	7.65	.135	.143	3.43	3.63	0.052	0.024
204	0.354	0.364	8.99	9.25	.135	.143	3.43	3.63	0.054	0.024
205	0.416	0.426	10.57	10.82	.135	.143	3.43	3.63	0.055	0.025
206	0.479	0.489	12.17	12.42	.135	.143	3.43	3.63	0.057	0.026
207	0.539	0.553	13.69	14.05	.135	.143	3.43	3.63	0.058	0.027
208	0.600	0.618	15.24	15.70	.135	.143	3.43	3.63	0.060	0.027
209	0.662	0.680	16.81	17.27	.135	.143	3.43	3.63	0.062	0.028
210	0.724	0.744	18.39	18.90	.135	.143	3.43	3.63	0.063	0.029
211	0.786	0.806	19.96	20.47	.135	.143	3.43	3.63	0.065	0.029
212	0.849	0.869	21.56	22.07	.135	.143	3.43	3.63	0.066	0.030
213	0.911	0.931	23.14	23.65	.135	.143	3.43	3.63	0.068	0.031
214	0.974	0.994	24.74	25.25	.135	.143	3.43	3.63	0.070	0.032
215	1.036	1.056	26.31	26.82	.135	.143	3.43	3.63	0.071	0.032
216	1.097	1.121	27.86	28.47	.135	.143	3.43	3.63	0.073	0.033
217	1.159	1.183	29.44	30.05	.135	.143	3.43	3.63	0.074	0.034
218	1.222	1.246	31.04	31.65	.135	.143	3.43	3.63	0.076	0.035
219	1.284	1.308	32.61	33.22	.135	.143	3.43	3.63	0.078	0.035
220	1.347	1.371	34.21	34.82	.135	.143	3.43	3.63	0.079	0.036

	AEROSPACE STANDARD		AS5729™ SHEET 6 OF 13	REV. B
	O-RING MOLDED FROM AMS7379 FLUOROCARBON (FKM) MATERIAL			

TABLE 1 - AEROSPACE SIZE STANDARDS FOR O-RINGS (CONTINUED)

BASIC NO. AS5729 /1/ /2/ SIZE CODE	ØD INCH MIN	ØD INCH MAX	ØD (mm) MIN	ØD (mm) MAX	ØW INCH MIN	ØW INCH MAX	ØW (mm) MIN	ØW (mm) MAX	APPROX MASS LB/100	APPROX MASS (KG/100)
221	1.409	1.433	35.79	36.40	.135	.143	3.43	3.63	0.081	0.037
222	1.469	1.499	37.31	38.07	.135	.143	3.43	3.63	0.082	0.037
223	1.594	1.624	40.49	41.25	.135	.143	3.43	3.63	0.086	0.039
224	1.719	1.749	43.66	44.42	.135	.143	3.43	3.63	0.089	0.040
225	1.841	1.877	46.76	47.68	.135	.143	3.43	3.63	0.092	0.042
226	1.966	2.002	49.94	50.85	.135	.143	3.43	3.63	0.095	0.043
227	2.091	2.127	53.11	54.03	.135	.143	3.43	3.63	0.098	0.045
228	2.214	2.254	56.24	57.25	.135	.143	3.43	3.63	0.102	0.046
229	2.339	2.379	59.41	60.43	.135	.143	3.43	3.63	0.105	0.048
230	2.464	2.504	62.59	63.60	.135	.143	3.43	3.63	0.108	0.049
231	2.589	2.629	65.76	66.78	.135	.143	3.43	3.63	0.111	0.051
232	2.710	2.758	68.83	70.05	.135	.143	3.43	3.63	0.115	0.052
233	2.835	2.883	72.01	73.23	.135	.143	3.43	3.63	0.118	0.054
234	2.960	3.008	75.18	76.40	.135	.143	3.43	3.63	0.121	0.055
235	3.085	3.133	78.36	79.58	.135	.143	3.43	3.63	0.124	0.056
236	3.210	3.258	81.53	82.75	.135	.143	3.43	3.63	0.127	0.058
237	3.335	3.383	84.71	85.93	.135	.143	3.43	3.63	0.131	0.059
238	3.460	3.508	87.88	89.10	.135	.143	3.43	3.63	0.134	0.061
239	3.581	3.637	90.96	92.38	.135	.143	3.43	3.63	0.137	0.062
240	3.706	3.762	94.13	95.55	.135	.143	3.43	3.63	0.140	0.064
241	3.831	3.887	97.31	98.73	.135	.143	3.43	3.63	0.143	0.065
242	3.956	4.012	100.48	101.90	.135	.143	3.43	3.63	0.147	0.067
243	4.081	4.137	103.66	105.08	.135	.143	3.43	3.63	0.150	0.068
244	4.204	4.264	106.76	108.31	.135	.143	3.43	3.63	0.153	0.07
245	4.329	4.389	109.96	111.48	.135	.143	3.43	3.63	0.156	0.071
246	4.454	4.514	113.13	114.66	.135	.143	3.43	3.63	0.159	0.072
247	4.579	4.639	116.31	117.83	.135	.143	3.43	3.63	0.163	0.074
248	4.704	4.764	119.48	121.01	.135	.143	3.43	3.63	0.166	0.075
249	4.824	4.894	122.53	124.31	.135	.143	3.43	3.63	0.169	0.077
250	4.949	5.019	125.70	127.48	.135	.143	3.43	3.63	0.172	0.078
251	5.074	5.144	128.88	130.66	.135	.143	3.43	3.63	0.175	0.080
252	5.199	5.269	132.05	133.83	.135	.143	3.43	3.63	0.179	0.081
253	5.324	5.394	135.23	137.01	.135	.143	3.43	3.63	0.182	0.083
254	5.449	5.519	138.40	140.18	.135	.143	3.43	3.63	0.185	0.084
255	5.574	5.644	141.58	143.36	.135	.143	3.43	3.63	0.188	0.086
256	5.699	5.769	144.75	146.53	.135	.143	3.43	3.63	0.191	0.087
257	5.824	5.894	147.93	149.71	.135	.143	3.43	3.63	0.195	0.088
258	5.949	6.019	151.10	152.88	.135	.143	3.43	3.63	0.198	0.090
259	6.194	6.274	157.33	159.36	.135	.143	3.43	3.63	0.204	0.093
260	6.444	6.524	163.68	165.71	.135	.143	3.43	3.63	0.211	0.096
261	6.694	6.774	170.03	172.06	.135	.143	3.43	3.63	0.217	0.099
262	6.944	7.024	176.38	178.41	.135	.143	3.43	3.63	0.224	0.102
263	7.189	7.279	182.60	184.89	.135	.143	3.43	3.63	0.230	0.105
264	7.439	7.529	188.95	191.24	.135	.143	3.43	3.63	0.236	0.107
265	7.689	7.779	195.30	197.59	.135	.143	3.43	3.63	0.243	0.110
266	7.939	8.029	201.65	203.94	.135	.143	3.43	3.63	0.249	0.113
267	8.184	8.284	207.87	210.41	.135	.143	3.43	3.63	0.256	0.116
268	8.434	8.534	214.22	216.76	.135	.143	3.43	3.63	0.262	0.119
269	8.684	8.784	220.57	223.11	.135	.143	3.43	3.63	0.268	0.122
270	8.934	9.034	226.92	229.46	.135	.143	3.43	3.63	0.275	0.125

TABLE 1 - AEROSPACE SIZE STANDARDS FOR O-RINGS (CONTINUED)

BASIC NO. AS5729 /1/ /2/ SIZE CODE	ØD INCH MIN	ØD INCH MAX	ØD (mm) MIN	ØD (mm) MAX	ØW INCH MIN	ØW INCH MAX	ØW (mm) MIN	ØW (mm) MAX	APPROX MASS LB/100	APPROX MASS (KG/100)
271	9.179	9.289	233.15	235.94	.135	.143	3.43	3.63	0.281	0.128
272	9.429	9.539	239.50	242.29	.135	.143	3.43	3.63	0.288	0.131
273	9.679	9.789	245.85	248.64	.135	.143	3.43	3.63	0.294	0.134
274	9.929	10.039	252.20	254.99	.135	.143	3.43	3.63	0.300	0.137
275	10.429	10.539	264.90	267.69	.135	.143	3.43	3.63	0.313	0.142
276	10.919	11.049	277.34	280.64	.135	.143	3.43	3.63	0.326	0.148
277	11.419	11.549	290.04	293.34	.135	.143	3.43	3.63	0.339	0.154
278	11.919	12.049	302.74	306.04	.135	.143	3.43	3.63	0.352	0.160
279	12.919	13.049	328.14	331.44	.135	.143	3.43	3.63	0.377	0.172
280	13.919	14.049	353.54	356.84	.135	.143	3.43	3.63	0.403	0.183
281	14.919	15.049	378.94	382.24	.135	.143	3.43	3.63	0.429	0.195
282	15.880	16.030	403.35	407.16	.135	.143	3.43	3.63	0.454	0.206
283	16.875	17.035	428.63	432.69	.135	.143	3.43	3.63	0.479	0.218
284	17.870	18.040	453.90	458.22	.135	.143	3.43	3.63	0.505	0.229
309	0.407	0.417	10.34	10.59	.205	.215	5.21	5.46	0.164	0.074
310	0.470	0.480	11.94	12.19	.205	.215	5.21	5.46	0.165	0.075
311	0.530	0.544	13.46	13.82	.205	.215	5.21	5.46	0.167	0.076
312	0.591	0.609	15.01	15.47	.205	.215	5.21	5.46	0.169	0.077
313	0.653	0.671	16.59	17.04	.205	.215	5.21	5.46	0.170	0.077
314	0.715	0.735	18.16	18.67	.205	.215	5.21	5.46	0.172	0.078
315	0.777	0.797	19.74	20.24	.205	.215	5.21	5.46	0.173	0.079
316	0.840	0.860	21.34	21.84	.205	.215	5.21	5.46	0.175	0.080
317	0.902	0.922	22.91	23.42	.205	.215	5.21	5.46	0.177	0.080
318	0.965	0.985	24.51	25.02	.205	.215	5.21	5.46	0.178	0.081
319	1.027	1.047	26.09	26.59	.205	.215	5.21	5.46	0.180	0.082
320	1.088	1.112	27.64	28.24	.205	.215	5.21	5.46	0.182	0.083
321	1.150	1.174	29.21	29.82	.205	.215	5.21	5.46	0.183	0.083
322	1.213	1.237	30.81	31.42	.205	.215	5.21	5.46	0.185	0.084
323	1.275	1.299	32.39	32.99	.205	.215	5.21	5.46	0.186	0.085
324	1.338	1.362	33.99	34.59	.205	.215	5.21	5.46	0.188	0.085
325	1.460	1.490	37.08	37.85	.205	.215	5.21	5.46	0.191	0.087
326	1.585	1.615	40.26	41.02	.205	.215	5.21	5.46	0.194	0.088
327	1.710	1.740	43.43	44.20	.205	.215	5.21	5.46	0.198	0.090
328	1.835	1.865	46.61	47.37	.205	.215	5.21	5.46	0.201	0.091
329	1.957	1.993	49.71	50.62	.205	.215	5.21	5.46	0.204	0.093
330	2.082	2.118	52.88	53.80	.205	.215	5.21	5.46	0.207	0.094
331	2.207	2.243	56.06	56.97	.205	.215	5.21	5.46	0.210	0.096
332	2.332	2.368	59.23	60.15	.205	.215	5.21	5.46	0.214	0.097
333	2.455	2.495	62.36	63.37	.205	.215	5.21	5.46	0.217	0.099
334	2.580	2.620	65.53	66.55	.205	.215	5.21	5.46	0.220	0.100
335	2.705	2.745	68.71	69.72	.205	.215	5.21	5.46	0.223	0.101
336	2.830	2.870	71.88	72.90	.205	.215	5.21	5.46	0.226	0.103
337	2.951	2.999	74.96	76.17	.205	.215	5.21	5.46	0.230	0.104
338	3.076	3.124	78.13	79.35	.205	.215	5.21	5.46	0.233	0.106
339	3.201	3.249	81.31	82.52	.205	.215	5.21	5.46	0.236	0.107
340	3.326	3.374	84.48	85.70	.205	.215	5.21	5.46	0.239	0.109

TABLE 1 - AEROSPACE SIZE STANDARDS FOR O-RINGS (CONTINUED)

BASIC NO. AS5729 /1/ /2/ SIZE CODE	ØD INCH MIN	ØD INCH MAX	ØD (mm) MIN	ØD (mm) MAX	ØW INCH MIN	ØW INCH MAX	ØW (mm) MIN	ØW (mm) MAX	APPROX MASS LB/100	APPROX MASS (KG/100)
341	3.451	3.499	87.66	88.87	.205	.215	5.21	5.46	0.242	0.110
342	3.572	3.628	90.73	92.15	.205	.215	5.21	5.46	0.246	0.112
343	3.697	3.753	93.90	95.33	.205	.215	5.21	5.46	0.249	0.113
344	3.822	3.878	97.08	98.50	.205	.215	5.21	5.46	0.252	0.115
345	3.947	4.003	100.25	101.68	.205	.215	5.21	5.46	0.255	0.116
346	4.072	4.128	103.43	104.85	.205	.215	5.21	5.46	0.258	0.117
347	4.195	4.255	106.55	108.08	.205	.215	5.21	5.46	0.262	0.119
348	4.320	4.380	109.73	111.25	.205	.215	5.21	5.46	0.265	0.120
349	4.445	4.505	112.90	114.43	.205	.215	5.21	5.46	0.268	0.122
350	4.570	4.630	116.08	117.60	.205	.215	5.21	5.46	0.271	0.123
351	4.695	4.755	119.25	120.78	.205	.215	5.21	5.46	0.275	0.125
352	4.820	4.880	122.43	123.95	.205	.215	5.21	5.46	0.278	0.126
353	4.938	5.012	125.43	127.30	.205	.215	5.21	5.46	0.281	0.128
354	5.063	5.137	128.60	130.46	.205	.215	5.21	5.46	0.284	0.129
355	5.188	5.262	131.78	133.65	.205	.215	5.21	5.46	0.287	0.131
356	5.313	5.387	134.95	136.83	.205	.215	5.21	5.46	0.291	0.132
357	5.438	5.512	138.13	140.00	.205	.215	5.21	5.46	0.294	0.134
358	5.563	5.637	141.30	143.18	.205	.215	5.21	5.46	0.297	0.135
359	5.688	5.762	144.48	146.35	.205	.215	5.21	5.46	0.300	0.136
360	5.813	5.887	147.65	149.53	.205	.215	5.21	5.46	0.303	0.138
361	5.938	6.012	150.83	152.70	.205	.215	5.21	5.46	0.307	0.139
362	6.185	6.265	157.10	159.13	.205	.215	5.21	5.46	0.313	0.142
363	6.435	6.515	163.45	165.48	.205	.215	5.21	5.46	0.319	0.145
364	6.685	6.765	169.80	171.83	.205	.215	5.21	5.46	0.326	0.148
365	6.935	7.015	176.15	178.18	.205	.215	5.21	5.46	0.332	0.151
366	7.180	7.270	182.37	184.66	.205	.215	5.21	5.46	0.339	0.154
367	7.430	7.520	188.72	191.01	.205	.215	5.21	5.46	0.345	0.157
368	7.680	7.770	195.07	197.36	.205	.215	5.21	5.46	0.351	0.160
369	7.930	8.020	201.42	203.71	.205	.215	5.21	5.46	0.358	0.163
370	8.175	8.275	207.65	210.19	.205	.215	5.21	5.46	0.364	0.166
371	8.425	8.525	214.00	216.54	.205	.215	5.21	5.46	0.371	0.168
372	8.675	8.775	220.35	222.89	.205	.215	5.21	5.46	0.377	0.171
373	8.925	9.025	226.70	229.24	.205	.215	5.21	5.46	0.383	0.174
374	9.170	9.280	232.92	235.71	.205	.215	5.21	5.46	0.390	0.177
375	9.420	9.530	239.27	242.06	.205	.215	5.21	5.46	0.396	0.180
376	9.670	9.780	245.62	248.41	.205	.215	5.21	5.46	0.403	0.183
377	9.920	10.030	251.97	254.76	.205	.215	5.21	5.46	0.409	0.186
378	10.415	10.535	264.54	267.59	.205	.215	5.21	5.46	0.422	0.192
379	10.915	11.035	277.24	280.29	.205	.215	5.21	5.46	0.435	0.198
380	11.410	11.540	289.81	293.12	.205	.215	5.21	5.46	0.448	0.203
381	11.910	12.040	302.51	305.82	.205	.215	5.21	5.46	0.460	0.209
382	12.910	13.040	327.91	331.22	.205	.215	5.21	5.46	0.486	0.221
383	13.905	14.045	353.19	356.74	.205	.215	5.21	5.46	0.512	0.233
384	14.905	15.045	378.59	382.14	.205	.215	5.21	5.46	0.537	0.244
385	15.880	16.030	403.35	407.16	.205	.215	5.21	5.46	0.563	0.256
386	16.875	17.035	428.63	432.69	.205	.215	5.21	5.46	0.588	0.267
387	17.870	18.040	453.90	458.22	.205	.215	5.21	5.46	0.614	0.279
388	18.865	19.045	479.17	483.74	.205	.215	5.21	5.46	0.639	0.291
389	19.860	20.050	504.44	509.27	.205	.215	5.21	5.46	0.665	0.302
390	20.860	21.050	529.84	534.67	.205	.215	5.21	5.46	0.691	0.314

TABLE 1 - AEROSPACE SIZE STANDARDS FOR O-RINGS (CONTINUED)

BASIC NO. AS5729 /1/ /2/ SIZE CODE	ØD INCH MIN	ØD INCH MAX	ØD (mm) MIN	ØD (mm) MAX	ØW INCH MIN	ØW INCH MAX	ØW (mm) MIN	ØW (mm) MAX	APPROX MASS LB/100	APPROX MASS (KG/100)
391	21.855	22.055	555.12	560.20	.205	.215	5.21	5.46	0.716	0.326
392	22.835	23.045	580.01	585.34	.205	.215	5.21	5.46	0.742	0.314
393	23.830	24.050	605.26	610.87	.205	.215	5.21	5.46	0.767	0.349
394	24.825	25.055	630.56	636.40	.205	.215	5.21	5.46	0.793	0.360
395	25.820	26.060	655.83	661.92	.205	.215	5.21	5.46	0.819	0.372
425	4.442	4.508	112.83	114.50	.269	.281	6.83	7.14	0.459	0.209
426	4.567	4.633	116.00	117.68	.269	.281	6.83	7.14	0.462	0.210
427	4.692	4.758	119.18	120.85	.269	.281	6.83	7.14	0.465	0.212
428	4.817	4.883	122.35	124.03	.269	.281	6.83	7.14	0.468	0.213
429	4.938	5.012	125.43	127.30	.269	.281	6.83	7.14	0.472	0.214
430	5.063	5.137	128.60	130.48	.269	.281	6.83	7.14	0.475	0.216
431	5.188	5.262	131.78	133.65	.269	.281	6.83	7.14	0.478	0.217
432	5.313	5.387	134.95	136.83	.269	.281	6.83	7.14	0.481	0.219
433	5.438	5.512	138.13	140.00	.269	.281	6.83	7.14	0.484	0.220
434	5.563	5.637	141.30	143.18	.269	.281	6.83	7.14	0.488	0.222
435	5.688	5.762	144.48	146.35	.269	.281	6.83	7.14	0.491	0.223
436	5.813	5.887	147.65	149.53	.269	.281	6.83	7.14	0.494	0.225
437	5.938	6.012	150.83	152.70	.269	.281	6.83	7.14	0.497	0.226
438	6.185	6.265	157.10	159.13	.269	.281	6.83	7.14	0.504	0.229
439	6.435	6.515	163.45	165.48	.269	.281	6.83	7.14	0.510	0.232
440	6.685	6.765	169.80	171.83	.269	.281	6.83	7.14	0.517	0.235
441	6.935	7.015	176.15	178.18	.269	.281	6.83	7.14	0.523	0.238
442	7.180	7.270	182.37	184.66	.269	.281	6.83	7.14	0.529	0.241
443	7.430	7.520	188.72	191.01	.269	.281	6.83	7.14	0.536	0.244
444	7.680	7.770	195.07	197.36	.269	.281	6.83	7.14	0.542	0.246
445	7.930	8.020	201.42	203.71	.269	.281	6.83	7.14	0.549	0.249
446	8.420	8.530	213.87	216.66	.269	.281	6.83	7.14	0.561	0.255
447	8.920	9.030	226.57	229.36	.269	.281	6.83	7.14	0.574	0.261
448	9.420	9.530	239.27	242.06	.269	.281	6.83	7.14	0.587	0.267
449	9.920	10.030	251.97	254.76	.269	.281	6.83	7.14	0.600	0.273
450	10.415	10.535	264.54	267.59	.269	.281	6.83	7.14	0.613	0.279
451	10.915	11.035	277.24	280.29	.269	.281	6.83	7.14	0.626	0.284
452	11.415	11.535	289.94	292.99	.269	.281	6.83	7.14	0.638	0.290
453	11.915	12.035	302.64	305.69	.269	.281	6.83	7.14	0.651	0.296
454	12.415	12.535	315.34	318.39	.269	.281	6.83	7.14	0.664	0.302
455	12.915	13.035	328.04	331.09	.269	.281	6.83	7.14	0.677	0.308
456	13.405	13.545	340.49	344.04	.269	.281	6.83	7.14	0.690	0.313
457	13.905	14.045	353.19	356.74	.269	.281	6.83	7.14	0.702	0.319
458	14.405	14.545	365.89	369.44	.269	.281	6.83	7.14	0.715	0.325
459	14.905	15.045	378.59	382.14	.269	.281	6.83	7.14	0.728	0.331
460	15.405	15.545	391.29	394.84	.269	.281	6.83	7.14	0.741	0.337
461	15.880	16.030	403.35	407.16	.269	.281	6.83	7.14	0.753	0.342
462	16.380	16.530	416.05	419.86	.269	.281	6.83	7.14	0.766	0.348
463	16.875	17.035	428.63	432.69	.269	.281	6.83	7.14	0.779	0.354
464	17.370	17.540	441.20	445.52	.269	.281	6.83	7.14	0.792	0.360
465	17.870	18.040	453.90	458.22	.269	.281	6.83	7.14	0.805	0.366