

RATIONALE

THIS STANDARD ESTABLISHES THE DIMENSIONAL AND VISUAL QUALITY REQUIREMENTS, LOT REQUIREMENTS AND PACKAGING AND LABELING REQUIREMENTS FOR O-RINGS MOLDED FROM AMS 7379 RUBBER. IT SHALL BE USED FOR PROCUREMENT PURPOSES.

ALL DIAMETERS OF CROSS SECTION SHALL EQUAL W

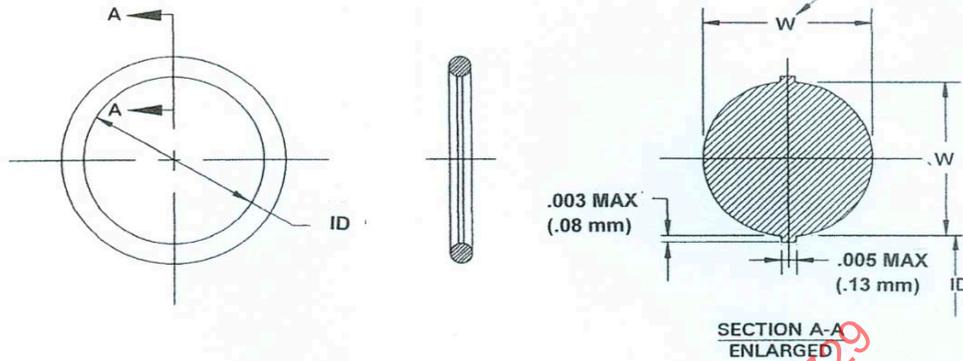


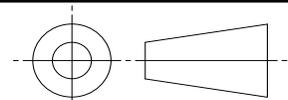
FIGURE 1 – O-RING DIMENSIONS REFERENCE FOR TABLE 1. WIDTH (W) AND INSIDE DIAMETER (ID)

TABLE 1 – O-RING DIMENSIONS, TOLERANCES, AND APPROXIMATE MASS PER 100 PIECES BY PART NUMBER

PART NUMBER	ID IN		ID (MM)		W DIA IN		W DIA (MM)		APPROX MASS	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	KG/100
AS5729-001	.025	.033	0.64	0.84	.037	.043	0.94	1.09	0.002	0.001
AS5729-002	.038	.046	0.97	1.17	.047	.053	1.19	1.35	0.003	0.001
AS5729-003	.052	.060	1.32	1.52	.057	.063	1.45	1.60	0.005	0.002
AS5729-004	.065	.075	1.65	1.90	.067	.073	1.70	1.85	0.007	0.003
AS5729-005	.096	.106	2.44	2.69	.067	.073	1.70	1.85	0.008	0.004
AS5729-006	.109	.119	2.77	3.02	.067	.073	1.70	1.85	0.009	0.004
AS5729-007	.140	.150	3.56	3.81	.067	.073	1.70	1.85	0.009	0.004
AS5729-008	.171	.181	4.34	4.60	.067	.073	1.70	1.85	0.010	0.005
AS5729-009	.203	.213	5.16	5.41	.067	.073	1.70	1.85	0.011	0.005
AS5729-010	.234	.244	5.94	6.20	.067	.073	1.70	1.85	0.012	0.005
AS5729-011	.296	.306	7.52	7.77	.067	.073	1.70	1.85	0.013	0.006
AS5729-012	.359	.369	9.12	9.37	.067	.073	1.70	1.85	0.015	0.007
AS5729-013	.421	.431	10.69	10.95	.067	.073	1.70	1.85	0.017	0.008
AS5729-014	.484	.494	12.29	12.55	.067	.073	1.70	1.85	0.018	0.008
AS5729-015	.544	.558	13.82	14.17	.067	.073	1.70	1.85	0.020	0.009
AS5729-016	.605	.623	15.37	15.82	.067	.073	1.70	1.85	0.021	0.010
AS5729-017	.667	.685	16.94	17.40	.067	.073	1.70	1.85	0.023	0.010
AS5729-018	.730	.748	18.54	19.00	.067	.073	1.70	1.85	0.025	0.011
AS5729-019	.792	.810	20.12	20.57	.067	.073	1.70	1.85	0.026	0.012
AS5729-020	.855	.873	21.72	22.17	.067	.073	1.70	1.85	0.028	0.013
AS5729-021	.917	.935	23.29	23.75	.067	.073	1.70	1.85	0.029	0.013
AS5729-022	.979	.999	24.87	25.37	.067	.073	1.70	1.85	0.031	0.014
AS5729-023	1.041	1.061	26.44	26.95	.067	.073	1.70	1.85	0.033	0.015
AS5729-024	1.104	1.124	28.04	28.55	.067	.073	1.70	1.85	0.034	0.016
AS5729-025	1.165	1.187	29.59	30.15	.067	.073	1.70	1.85	0.036	0.016

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THIRD ANGLE PROJECTION



CUSTODIAN: A-6C

PROCUREMENT SPECIFICATION:

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

O-RING MOLDED FROM
AMS7379 (FLUOROCARBON) MATERIAL

SAE AS5729
SHEET 1 OF 10

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SAE AS5729

ISSUED 2011-03

TABLE 1 – O-RING DIMENSIONS, TOLERANCES, AND APPROXIMATE MASS PER 100 PIECES BY PART NUMBER (CONT'D)

	PART NUMBER	ID IN		ID (MM)		W DIA IN		W DIA (MM)		APPROX MASS	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	KG/100
	AS5729-026	1.228	1.250	31.19	31.75	.067	.073	1.70	1.85	0.037	0.017
	AS5729-027	1.290	1.312	32.77	33.32	.067	.073	1.70	1.85	0.039	0.018
	AS5729-028	1.351	1.377	34.32	34.98	.067	.073	1.70	1.85	0.041	0.018
	AS5729-029	1.476	1.502	37.49	38.15	.067	.073	1.70	1.85	0.044	0.020
	AS5729-030	1.601	1.627	40.67	41.33	.067	.073	1.70	1.85	0.047	0.021
	AS5729-031	1.724	1.754	43.79	44.55	.067	.073	1.70	1.85	0.050	0.023
	AS5729-032	1.849	1.879	46.96	47.73	.067	.073	1.70	1.85	0.053	0.024
	AS5729-033	1.971	2.007	50.06	50.98	.067	.073	1.70	1.85	0.057	0.026
	AS5729-034	2.096	2.132	53.24	54.15	.067	.073	1.70	1.85	0.060	0.027
	AS5729-035	2.221	2.257	56.41	57.33	.067	.073	1.70	1.85	0.063	0.029
(b)											
	AS5729-036	2.346	2.382	59.59	60.50	.067	.073	1.70	1.85	0.066	0.030
	AS5729-037	2.471	2.507	62.76	63.68	.067	.073	1.70	1.85	0.069	0.032
	AS5729-038	2.594	2.634	65.9	66.9	.067	.073	1.70	1.85	0.073	0.033
	AS5729-039	2.719	2.759	69.1	70.1	.067	.073	1.70	1.85	0.076	0.035
	AS5729-040	2.844	2.884	72.2	73.3	.067	.073	1.70	1.85	0.079	0.036
	AS5729-041	2.965	3.013	75.3	76.5	.067	.073	1.70	1.85	0.082	0.037
	AS5729-042	3.215	3.263	81.7	82.9	.067	.073	1.70	1.85	0.089	0.040
	AS5729-043	3.465	3.513	88.0	89.2	.067	.073	1.70	1.85	0.095	0.043
	AS5729-044	3.712	3.766	94.3	95.7	.067	.073	1.70	1.85	0.102	0.046
	AS5729-045	3.962	4.016	100.6	102.0	.067	.073	1.70	1.85	0.108	0.049
	AS5729-046	4.209	4.269	106.9	108.4	.067	.073	1.70	1.85	0.114	0.052
	AS5729-047	4.459	4.519	113.3	114.8	.067	.073	1.70	1.85	0.121	0.055
	AS5729-048	4.709	4.769	119.6	121.1	.067	.073	1.70	1.85	0.127	0.058
	AS5729-049	4.952	5.026	125.8	127.7	.067	.073	1.70	1.85	0.134	0.061
	AS5729-050	5.202	5.276	132.1	134.0	.067	.073	1.70	1.85	0.140	0.064
	AS5729-102	.044	.054	1.12	1.37	.100	.106	2.54	2.69	0.019	0.009
	AS5729-103	.076	.086	1.93	2.18	.100	.106	2.54	2.69	0.020	0.009
	AS5729-104	.107	.117	2.72	2.97	.100	.106	2.54	2.69	0.021	0.010
	AS5729-105	.138	.148	3.51	3.76	.100	.106	2.54	2.69	0.022	0.010
	AS5729-106	.169	.179	4.29	4.55	.100	.106	2.54	2.69	0.023	0.010
	AS5729-107	.201	.211	5.11	5.36	.100	.106	2.54	2.69	0.023	0.011
	AS5729-108	.232	.242	5.89	6.15	.100	.106	2.54	2.69	0.024	0.011
	AS5729-109	.294	.304	7.47	7.72	.100	.106	2.54	2.69	0.026	0.012
	AS5729-110	.357	.367	9.07	9.32	.100	.106	2.54	2.69	0.027	0.012
	AS5729-111	.419	.429	10.64	10.90	.100	.106	2.54	2.69	0.029	0.013
	AS5729-112	.482	.492	12.24	12.50	.100	.106	2.54	2.69	0.031	0.014
	AS5729-113	.542	.556	13.77	14.12	.100	.106	2.54	2.69	0.032	0.015
	AS5729-114	.603	.621	15.32	15.77	.100	.106	2.54	2.69	0.034	0.015
	AS5729-115	.665	.683	16.89	17.35	.100	.106	2.54	2.69	0.035	0.016
	AS5729-116	.728	.746	18.49	18.95	.100	.106	2.54	2.69	0.037	0.017
	AS5729-117	.789	.809	20.04	20.55	.100	.106	2.54	2.69	0.039	0.018
	AS5729-118	.852	.872	21.64	22.15	.100	.106	2.54	2.69	0.040	0.018
	AS5729-119	.914	.934	23.22	23.72	.100	.106	2.54	2.69	0.042	0.019
	AS5729-120	.977	.997	24.82	25.32	.100	.106	2.54	2.69	0.043	0.020
(a)											
	AS5729-121	1.039	1.059	26.39	26.90	.100	.106	2.54	2.69	0.045	0.020
	AS5729-122	1.102	1.122	27.99	28.50	.100	.106	2.54	2.69	0.047	0.021
	AS5729-123	1.162	1.186	29.51	30.12	.100	.106	2.54	2.69	0.048	0.022
	AS5729-124	1.225	1.249	31.12	31.72	.100	.106	2.54	2.69	0.050	0.023
	AS5729-125	1.287	1.311	32.69	33.30	.100	.106	2.54	2.69	0.051	0.023

TABLE 1 – O-RING DIMENSIONS, TOLERANCES, AND APPROXIMATE MASS PER 100 PIECES BY PART NUMBER (CONT'D)

	PART NUMBER	ID IN		ID (MM)		W DIA IN		W DIA (MM)		APPROX MASS		
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	KG/100	
(a)	AS5729-126	1.350	1.374	34.29	34.90	.100	.106	2.54	2.69	0.053	0.024	
	AS5729-127	1.412	1.436	35.86	36.47	.100	.106	2.54	2.69	0.055	0.025	
	AS5729-128	1.475	1.499	37.46	38.07	.100	.106	2.54	2.69	0.056	0.026	
	AS5729-129	1.534	1.564	38.96	39.73	.100	.106	2.54	2.69	0.058	0.026	
	AS5729-130	1.597	1.627	40.56	41.33	.100	.106	2.54	2.69	0.059	0.027	
	AS5729-131	1.659	1.689	42.14	42.90	.100	.106	2.54	2.69	0.061	0.028	
	AS5729-132	1.722	1.752	43.74	44.50	.100	.106	2.54	2.69	0.063	0.028	
	AS5729-133	1.784	1.814	45.31	46.08	.100	.106	2.54	2.69	0.064	0.029	
	AS5729-134	1.847	1.877	46.91	47.68	.100	.106	2.54	2.69	0.066	0.030	
	AS5729-135	1.908	1.942	48.46	49.33	.100	.106	2.54	2.69	0.067	0.031	
	AS5729-136	1.970	2.004	50.04	50.90	.100	.106	2.54	2.69	0.069	0.031	
	AS5729-137	2.033	2.067	51.64	52.50	.100	.106	2.54	2.69	0.071	0.032	
	AS5729-138	2.095	2.129	53.21	54.08	.100	.106	2.54	2.69	0.072	0.033	
AS5729-139	2.158	2.192	54.81	55.68	.100	.106	2.54	2.69	0.074	0.034		
AS5729-140	2.220	2.254	56.39	57.25	.100	.106	2.54	2.69	0.075	0.034		
AS5729-141	2.280	2.320	57.9	58.9	.100	.106	2.54	2.69	0.077	0.035		
AS5729-142	2.342	2.382	59.5	60.5	.100	.106	2.54	2.69	0.079	0.036		
AS5729-143	2.405	2.445	61.1	62.1	.100	.106	2.54	2.69	0.080	0.036		
AS5729-144	2.467	2.507	62.7	63.7	.100	.106	2.54	2.69	0.082	0.037		
AS5729-145	2.530	2.570	64.3	65.3	.100	.106	2.54	2.69	0.083	0.038		
AS5729-146	2.592	2.632	65.8	66.9	.100	.106	2.54	2.69	0.085	0.039		
AS5729-147	2.653	2.697	67.4	68.5	.100	.106	2.54	2.69	0.087	0.039		
AS5729-148	2.715	2.759	69.0	70.1	.100	.106	2.54	2.69	0.088	0.040		
AS5729-149	2.778	2.822	70.6	71.7	.100	.106	2.54	2.69	0.090	0.041		
AS5729-150	2.840	2.884	72.1	73.3	.100	.106	2.54	2.69	0.091	0.042		
AS5729-151	2.963	3.011	75.3	76.5	.100	.106	2.54	2.69	0.095	0.043		
AS5729-152	3.213	3.261	81.6	82.8	.100	.106	2.54	2.69	0.101	0.046		
AS5729-153	3.463	3.511	88.0	89.2	.100	.106	2.54	2.69	0.108	0.049		
AS5729-154	3.709	3.765	94.2	95.6	.100	.106	2.54	2.69	0.114	0.052		
AS5729-155	3.959	4.015	100.6	102.0	.100	.106	2.54	2.69	0.120	0.055		
AS5729-156	4.207	4.267	106.9	108.4	.100	.106	2.54	2.69	0.127	0.058		
AS5729-157	4.457	4.517	113.2	114.7	.100	.106	2.54	2.69	0.133	0.061		
AS5729-158	4.707	4.767	119.6	121.1	.100	.106	2.54	2.69	0.140	0.063		
AS5729-159	4.952	5.022	125.8	127.6	.100	.106	2.54	2.69	0.146	0.066		
AS5729-160	5.202	5.272	132.1	133.9	.100	.106	2.54	2.69	0.152	0.069		
AS5729-161	5.452	5.522	138.5	140.3	.100	.106	2.54	2.69	0.159	0.072		
AS5729-162	5.702	5.772	144.8	146.6	.100	.106	2.54	2.69	0.165	0.075		
AS5729-163	5.952	6.022	151.2	153.0	.100	.106	2.54	2.69	0.172	0.078		
AS5729-164	6.197	6.277	157.4	159.4	.100	.106	2.54	2.69	0.178	0.081		
AS5729-165	6.447	6.527	163.8	165.8	.100	.106	2.54	2.69	0.184	0.084		
AS5729-166	6.697	6.777	170.1	172.1	.100	.106	2.54	2.69	0.191	0.087		
AS5729-167	6.947	7.027	176.5	178.5	.100	.106	2.54	2.69	0.197	0.090		
AS5729-168	7.192	7.282	182.7	185.0	.100	.106	2.54	2.69	0.204	0.093		
AS5729-169	7.442	7.532	189.0	191.3	.100	.106	2.54	2.69	0.210	0.095		
AS5729-170	7.692	7.782	195.4	197.7	.100	.106	2.54	2.69	0.217	0.098		
AS5729-171	7.942	8.032	201.7	204.0	.100	.106	2.54	2.69	0.223	0.101		
AS5729-172	8.187	8.287	207.9	210.5	.100	.106	2.54	2.69	0.229	0.104		
AS5729-173	8.437	8.537	214.3	216.8	.100	.106	2.54	2.69	0.236	0.107		
AS5729-174	8.687	8.787	220.6	223.2	.100	.106	2.54	2.69	0.242	0.110		
AS5729-175	8.937	9.037	227.0	229.5	.100	.106	2.54	2.69	0.249	0.113		

TABLE 1 – O-RING DIMENSIONS, TOLERANCES, AND APPROXIMATE MASS PER 100 PIECES BY PART NUMBER (CONT'D)

	PART NUMBER	ID IN		ID (MM)		W DIA IN		W DIA (MM)		APPROX MASS		
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	KG/100	
(b)	AS5729-176	9.182	9.292	233.2	236.0	.100	.106	2.54	2.69	0.255	0.116	
	AS5729-177	9.432	9.542	239.6	242.4	.100	.106	2.54	2.69	0.261	0.119	
	AS5729-178	9.682	9.792	245.9	248.7	.100	.106	2.54	2.69	0.268	0.122	
(a)	AS5729-201	.166	.176	4.22	4.47	.135	.143	3.43	3.63	0.049	0.022	
	AS5729-202	.229	.239	5.82	6.07	.135	.143	3.43	3.63	0.050	0.023	
	AS5729-203	.291	.301	7.39	7.65	.135	.143	3.43	3.63	0.052	0.024	
	AS5729-204	.354	.364	8.99	9.25	.135	.143	3.43	3.63	0.054	0.024	
	AS5729-205	.416	.426	10.57	10.82	.135	.143	3.43	3.63	0.055	0.025	
	AS5729-206	.479	.489	12.17	12.42	.135	.143	3.43	3.63	0.057	0.026	
	AS5729-207	.539	.553	13.69	14.05	.135	.143	3.43	3.63	0.058	0.027	
	AS5729-208	.600	.618	15.24	15.70	.135	.143	3.43	3.63	0.060	0.027	
	AS5729-209	.662	.680	16.81	17.27	.135	.143	3.43	3.63	0.062	0.028	
	AS5729-210	.724	.744	18.39	18.90	.135	.143	3.43	3.63	0.063	0.029	
	AS5729-211	.786	.806	19.96	20.47	.135	.143	3.43	3.63	0.065	0.029	
	AS5729-212	.849	.869	21.56	22.07	.135	.143	3.43	3.63	0.066	0.030	
	AS5729-213	.911	.931	23.14	23.65	.135	.143	3.43	3.63	0.068	0.031	
	AS5729-214	.974	.994	24.74	25.25	.135	.143	3.43	3.63	0.070	0.032	
	AS5729-215	1.036	1.056	26.31	26.82	.135	.143	3.43	3.63	0.071	0.032	
	AS5729-216	1.097	1.121	27.86	28.47	.135	.143	3.43	3.63	0.073	0.033	
	AS5729-217	1.159	1.183	29.44	30.05	.135	.143	3.43	3.63	0.074	0.034	
	AS5729-218	1.222	1.246	31.04	31.65	.135	.143	3.43	3.63	0.076	0.035	
	AS5729-219	1.284	1.308	32.61	33.22	.135	.143	3.43	3.63	0.078	0.035	
	AS5729-220	1.347	1.371	34.21	34.82	.135	.143	3.43	3.63	0.079	0.036	
AS5729-221	1.409	1.433	35.79	36.40	.135	.143	3.43	3.63	0.081	0.037		
AS5729-222	1.469	1.499	37.31	38.07	.135	.143	3.43	3.63	0.082	0.037		
AS5729-223	1.594	1.624	40.49	41.25	.135	.143	3.43	3.63	0.086	0.039		
AS5729-224	1.719	1.749	43.66	44.42	.135	.143	3.43	3.63	0.089	0.040		
AS5729-225	1.841	1.877	46.78	47.68	.135	.143	3.43	3.63	0.092	0.042		
AS5729-226	1.966	2.002	49.94	50.85	.135	.143	3.43	3.63	0.095	0.043		
AS5729-227	2.091	2.127	53.11	54.03	.135	.143	3.43	3.63	0.098	0.045		
AS5729-228	2.214	2.254	56.2	57.3	.135	.143	3.43	3.63	0.102	0.046		
AS5729-229	2.339	2.379	59.4	60.4	.135	.143	3.43	3.63	0.105	0.048		
AS5729-230	2.464	2.504	62.6	63.6	.135	.143	3.43	3.63	0.108	0.049		
AS5729-231	2.589	2.629	65.8	66.8	.135	.143	3.43	3.63	0.111	0.051		
AS5729-232	2.710	2.758	68.8	70.1	.135	.143	3.43	3.63	0.115	0.052		
AS5729-233	2.835	2.883	72.0	73.2	.135	.143	3.43	3.63	0.118	0.054		
AS5729-234	2.960	3.008	75.2	76.4	.135	.143	3.43	3.63	0.121	0.055		
AS5729-235	3.085	3.133	78.4	79.6	.135	.143	3.43	3.63	0.124	0.056		
AS5729-236	3.210	3.258	81.5	82.8	.135	.143	3.43	3.63	0.127	0.058		
AS5729-237	3.335	3.383	84.7	85.9	.135	.143	3.43	3.63	0.131	0.059		
AS5729-238	3.460	3.508	87.9	89.1	.135	.143	3.43	3.63	0.134	0.061		
AS5729-239	3.581	3.637	91.0	92.4	.135	.143	3.43	3.63	0.137	0.062		
AS5729-240	3.706	3.762	94.1	95.6	.135	.143	3.43	3.63	0.140	0.064		
AS5729-241	3.831	3.887	97.3	98.7	.135	.143	3.43	3.63	0.143	0.065		
AS5729-242	3.956	4.012	100.5	101.9	.135	.143	3.43	3.63	0.147	0.067		
AS5729-243	4.081	4.137	103.7	105.1	.135	.143	3.43	3.63	0.150	0.068		
AS5729-244	4.204	4.264	106.8	108.3	.135	.143	3.43	3.63	0.153	0.070		
AS5729-245	4.329	4.389	110.0	111.5	.135	.143	3.43	3.63	0.156	0.071		

TABLE 1 – O-RING DIMENSIONS, TOLERANCES, AND APPROXIMATE MASS PER 100 PIECES BY PART NUMBER (CONT'D)

	PART NUMBER	ID IN		ID (MM)		W DIA IN		W DIA (MM)		APPROX MASS	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	KG/100
(a)	AS5729-246	4.454	4.514	113.1	114.7	.135	.143	3.43	3.63	0.159	0.072
	AS5729-247	4.579	4.639	116.3	117.8	.135	.143	3.43	3.63	0.163	0.074
(b)	AS5729-248	4.704	4.764	119.5	121.0	.135	.143	3.43	3.63	0.166	0.075
	AS5729-249	4.824	4.894	122.5	124.3	.135	.143	3.43	3.63	0.169	0.077
	AS5729-250	4.949	5.019	125.7	127.5	.135	.143	3.43	3.63	0.172	0.078
	AS5729-251	5.074	5.144	128.9	130.7	.135	.143	3.43	3.63	0.175	0.080
	AS5729-252	5.199	5.269	132.1	133.8	.135	.143	3.43	3.63	0.179	0.081
	AS5729-253	5.324	5.394	135.2	137.0	.135	.143	3.43	3.63	0.182	0.083
	AS5729-254	5.449	5.519	138.4	140.2	.135	.143	3.43	3.63	0.185	0.084
	AS5729-255	5.574	5.644	141.6	143.4	.135	.143	3.43	3.63	0.188	0.086
	AS5729-256	5.699	5.769	144.8	146.5	.135	.143	3.43	3.63	0.191	0.087
	AS5729-257	5.824	5.894	147.9	149.7	.135	.143	3.43	3.63	0.195	0.088
	AS5729-258	5.949	6.019	151.1	152.9	.135	.143	3.43	3.63	0.198	0.090
	AS5729-259	6.194	6.274	157.3	159.4	.135	.143	3.43	3.63	0.204	0.093
	AS5729-260	6.444	6.524	163.7	165.7	.135	.143	3.43	3.63	0.211	0.096
	AS5729-261	6.694	6.774	170.0	172.1	.135	.143	3.43	3.63	0.217	0.099
	AS5729-262	6.944	7.024	176.4	178.4	.135	.143	3.43	3.63	0.224	0.102
	AS5729-263	7.189	7.279	182.6	184.9	.135	.143	3.43	3.63	0.230	0.105
	AS5729-264	7.439	7.529	189.0	191.2	.135	.143	3.43	3.63	0.236	0.107
	AS5729-265	7.689	7.779	195.3	197.6	.135	.143	3.43	3.63	0.243	0.110
	AS5729-266	7.939	8.029	201.7	203.9	.135	.143	3.43	3.63	0.249	0.113
	AS5729-267	8.184	8.284	207.9	210.4	.135	.143	3.43	3.63	0.256	0.116
	AS5729-268	8.434	8.534	214.2	216.8	.135	.143	3.43	3.63	0.262	0.119
	AS5729-269	8.684	8.784	220.6	223.1	.135	.143	3.43	3.63	0.268	0.122
	AS5729-270	8.934	9.034	226.9	229.5	.135	.143	3.43	3.63	0.275	0.125
	AS5729-271	9.179	9.289	233.1	235.9	.135	.143	3.43	3.63	0.281	0.128
	AS5729-272	9.429	9.539	239.5	242.3	.135	.143	3.43	3.63	0.288	0.131
	AS5729-273	9.679	9.789	245.8	248.6	.135	.143	3.43	3.63	0.294	0.134
	AS5729-274	9.929	10.039	252.2	255.0	.135	.143	3.43	3.63	0.300	0.137
	AS5729-275	10.429	10.539	264.9	267.7	.135	.143	3.43	3.63	0.313	0.142
	AS5729-276	10.919	11.049	277.3	280.6	.135	.143	3.43	3.63	0.326	0.148
	AS5729-277	11.419	11.549	290.0	293.3	.135	.143	3.43	3.63	0.339	0.154
	AS5729-278	11.919	12.049	302.7	306.0	.135	.143	3.43	3.63	0.352	0.160
	AS5729-279	12.419	13.049	328.1	331.4	.135	.143	3.43	3.63	0.377	0.172
AS5729-280	13.919	14.049	353.5	356.8	.135	.143	3.43	3.63	0.403	0.183	
AS5729-281	14.919	15.049	378.9	382.2	.135	.143	3.43	3.63	0.429	0.195	
AS5729-282	15.880	16.030	403.4	407.2	.135	.143	3.43	3.63	0.454	0.206	
AS5729-283	16.875	17.035	428.6	432.7	.135	.143	3.43	3.63	0.479	0.218	
AS5729-284	17.870	18.040	453.9	458.2	.135	.143	3.43	3.63	0.505	0.229	
AS5729-309	.407	.417	10.34	10.59	.205	.215	5.21	5.46	0.164	0.074	
AS5729-310	.470	.480	11.94	12.19	.205	.215	5.21	5.46	0.165	0.075	
AS5729-311	.530	.544	13.46	13.82	.205	.215	5.21	5.46	0.167	0.076	
AS5729-312	.591	.609	15.01	15.47	.205	.215	5.21	5.46	0.169	0.077	
AS5729-313	.653	.671	16.59	17.04	.205	.215	5.21	5.46	0.170	0.077	
AS5729-314	.715	.735	18.16	18.67	.205	.215	5.21	5.46	0.172	0.078	
AS5729-315	.777	.797	19.74	20.24	.205	.215	5.21	5.46	0.173	0.079	
AS5729-316	.840	.860	21.34	21.84	.205	.215	5.21	5.46	0.175	0.080	
AS5729-317	.902	.922	22.91	23.42	.205	.215	5.21	5.46	0.177	0.080	
AS5729-318	.965	.985	24.51	25.02	.205	.215	5.21	5.46	0.178	0.081	
AS5729-319	1.027	1.047	26.09	26.59	.205	.215	5.21	5.46	0.180	0.082	
AS5729-320	1.088	1.112	27.64	28.24	.205	.215	5.21	5.46	0.182	0.083	

TABLE 1 – O-RING DIMENSIONS, TOLERANCES, AND APPROXIMATE MASS PER 100 PIECES BY PART NUMBER (CONT'D)

PART NUMBER	ID IN		ID (MM)		W DIA IN		W DIA (MM)		APPROX MASS	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	KG/100
AS5729-321	1.150	1.174	29.21	29.82	.205	.215	5.21	5.46	0.183	0.083
AS5729-322	1.213	1.237	30.81	31.42	.205	.215	5.21	5.46	0.185	0.084
AS5729-323	1.275	1.299	32.38	32.99	.205	.215	5.21	5.46	0.186	0.085
AS5729-324	1.338	1.362	33.99	34.59	.205	.215	5.21	5.46	0.188	0.085
AS5729-325	1.460	1.490	37.08	37.85	.205	.215	5.21	5.46	0.191	0.087
AS5729-326	1.585	1.615	40.26	41.02	.205	.215	5.21	5.46	0.194	0.088
AS5729-327	1.710	1.740	43.43	44.20	.205	.215	5.21	5.46	0.198	0.090
AS5729-328	1.835	1.865	46.61	47.37	.205	.215	5.21	5.46	0.201	0.091
AS5729-329	1.957	1.993	49.71	50.62	.205	.215	5.21	5.46	0.204	0.093
AS5729-330	2.082	2.118	52.88	53.80	.205	.215	5.21	5.46	0.207	0.094
AS5729-331	2.207	2.243	56.06	56.97	.205	.215	5.21	5.46	0.210	0.096
AS5729-332	2.332	2.368	59.23	60.15	.205	.215	5.21	5.46	0.214	0.097
AS5729-333	2.455	2.495	62.4	63.4	.205	.215	5.21	5.46	0.217	0.099
AS5729-334	2.580	2.620	65.5	66.5	.205	.215	5.21	5.46	0.220	0.100
AS5729-335	2.705	2.745	68.7	69.7	.205	.215	5.21	5.46	0.223	0.101
AS5729-336	2.830	2.870	71.9	72.9	.205	.215	5.21	5.46	0.226	0.103
AS5729-337	2.951	2.999	75.0	76.2	.205	.215	5.21	5.46	0.230	0.104
AS5729-338	3.076	3.124	78.1	79.3	.205	.215	5.21	5.46	0.233	0.106
AS5729-339	3.201	3.249	81.3	82.5	.205	.215	5.21	5.46	0.236	0.107
AS5729-340	3.326	3.374	84.5	85.7	.205	.215	5.21	5.46	0.239	0.109
AS5729-341	3.451	3.499	87.7	88.9	.205	.215	5.21	5.46	0.242	0.110
AS5729-342	3.572	3.628	90.7	92.2	.205	.215	5.21	5.46	0.246	0.112
AS5729-343	3.697	3.753	93.9	95.3	.205	.215	5.21	5.46	0.249	0.113
AS5729-344	3.822	3.878	97.1	98.5	.205	.215	5.21	5.46	0.252	0.115
AS5729-345	3.947	4.003	100.3	101.7	.205	.215	5.21	5.46	0.255	0.116
AS5729-346	4.072	4.128	103.4	104.9	.205	.215	5.21	5.46	0.258	0.117
AS5729-347	4.195	4.255	106.6	108.1	.205	.215	5.21	5.46	0.262	0.119
AS5729-348	4.320	4.380	109.7	111.3	.205	.215	5.21	5.46	0.265	0.120
AS5729-349	4.445	4.505	112.9	114.4	.205	.215	5.21	5.46	0.268	0.122
AS5729-350	4.570	4.630	116.1	117.6	.205	.215	5.21	5.46	0.271	0.123
AS5729-351	4.695	4.755	119.3	120.8	.205	.215	5.21	5.46	0.275	0.125
AS5729-352	4.820	4.880	122.4	124.0	.205	.215	5.21	5.46	0.278	0.126
AS5729-353	4.938	5.012	125.4	127.3	.205	.215	5.21	5.46	0.281	0.128
AS5729-354	5.063	5.137	128.6	130.5	.205	.215	5.21	5.46	0.284	0.129
AS5729-355	5.188	5.262	131.8	133.7	.205	.215	5.21	5.46	0.287	0.131
AS5729-356	5.313	5.387	135.0	136.8	.205	.215	5.21	5.46	0.291	0.132
AS5729-357	5.438	5.512	138.1	140.0	.205	.215	5.21	5.46	0.294	0.134
AS5729-358	5.563	5.637	141.3	143.2	.205	.215	5.21	5.46	0.297	0.135
AS5729-359	5.688	5.762	144.5	146.4	.205	.215	5.21	5.46	0.300	0.136
AS5729-360	5.813	5.887	147.7	149.5	.205	.215	5.21	5.46	0.303	0.138
AS5729-361	5.938	6.012	150.8	152.7	.205	.215	5.21	5.46	0.307	0.139
AS5729-362	6.185	6.265	157.1	159.1	.205	.215	5.21	5.46	0.313	0.142
AS5729-363	6.435	6.515	163.4	165.5	.205	.215	5.21	5.46	0.319	0.145
AS5729-364	6.685	6.765	169.8	171.8	.205	.215	5.21	5.46	0.326	0.148
AS5729-365	6.935	7.015	176.1	178.2	.205	.215	5.21	5.46	0.332	0.151
AS5729-366	7.180	7.270	182.4	184.7	.205	.215	5.21	5.46	0.339	0.154
AS5729-367	7.430	7.520	188.7	191.0	.205	.215	5.21	5.46	0.345	0.157
AS5729-368	7.680	7.770	195.1	197.4	.205	.215	5.21	5.46	0.351	0.160
AS5729-369	7.930	8.020	201.4	203.7	.205	.215	5.21	5.46	0.358	0.163
AS5729-370	8.175	8.275	207.6	210.2	.205	.215	5.21	5.46	0.364	0.166

TABLE 1 – O-RING DIMENSIONS, TOLERANCES, AND APPROXIMATE MASS PER 100 PIECES BY PART NUMBER (CONT'D)

PART NUMBER	ID IN		ID (MM)		W DIA IN		W DIA (MM)		APPROX MASS	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	KG/100
AS5729-371	8.425	8.525	214.0	216.5	.205	.215	5.21	5.46	0.371	0.168
AS5729-372	8.675	8.775	220.3	222.9	.205	.215	5.21	5.46	0.377	0.171
AS5729-373	8.925	9.025	226.7	229.2	.205	.215	5.21	5.46	0.383	0.174
AS5729-374	9.170	9.280	232.9	235.7	.205	.215	5.21	5.46	0.390	0.177
AS5729-375	9.420	9.530	239.3	242.1	.205	.215	5.21	5.46	0.396	0.180
AS5729-376	9.670	9.780	245.6	248.4	.205	.215	5.21	5.46	0.403	0.183
AS5729-377	9.920	10.030	252.0	254.8	.205	.215	5.21	5.46	0.409	0.186
AS5729-378	10.415	10.535	264.5	267.6	.205	.215	5.21	5.46	0.422	0.192
AS5729-379	10.915	11.035	277.2	280.3	.205	.215	5.21	5.46	0.435	0.198
AS5729-380	11.410	11.540	289.8	293.1	.205	.215	5.21	5.46	0.448	0.203
AS5729-381	11.910	12.040	302.5	305.8	.205	.215	5.21	5.46	0.460	0.209
AS5729-382	12.910	13.040	327.9	331.2	.205	.215	5.21	5.46	0.486	0.221
AS5729-383	13.905	14.045	353.2	356.7	.205	.215	5.21	5.46	0.512	0.233
AS5729-384	14.905	15.045	378.6	382.1	.205	.215	5.21	5.46	0.537	0.244
AS5729-385	15.880	16.030	403.4	407.2	.205	.215	5.21	5.46	0.563	0.256
AS5729-386	16.875	17.035	428.6	432.7	.205	.215	5.21	5.46	0.588	0.267
AS5729-387	17.870	18.040	453.9	458.2	.205	.215	5.21	5.46	0.614	0.279
AS5729-388	18.865	19.045	479.2	483.7	.205	.215	5.21	5.46	0.639	0.291
AS5729-389	19.860	20.050	504.4	509.3	.205	.215	5.21	5.46	0.665	0.302
AS5729-390	20.860	21.050	529.8	534.7	.205	.215	5.21	5.46	0.691	0.314
AS5729-391	21.855	22.055	555.1	560.2	.205	.215	5.21	5.46	0.716	0.326
AS5729-392	22.835	23.045	480.0	585.3	.205	.215	5.21	5.46	0.691	0.314
AS5729-393	23.830	24.050	605.3	610.9	.205	.215	5.21	5.46	0.767	0.349
AS5729-394	24.825	25.055	630.6	636.4	.205	.215	5.21	5.46	0.793	0.360
AS5729-395	25.820	26.060	655.8	661.9	.205	.215	5.21	5.46	0.819	0.372
AS5729-425	4.442	4.508	112.8	114.5	.269	.281	6.83	7.14	0.459	0.209
AS5729-426	4.567	4.633	116.0	117.7	.269	.281	6.83	7.14	0.462	0.210
AS5729-427	4.692	4.758	119.2	120.9	.269	.281	6.83	7.14	0.465	0.212
AS5729-428	4.817	4.883	122.4	124.0	.269	.281	6.83	7.14	0.468	0.213
AS5729-429	4.938	5.012	125.4	127.3	.269	.281	6.83	7.14	0.472	0.214
AS5729-430	5.063	5.137	128.6	130.5	.269	.281	6.83	7.14	0.475	0.216
AS5729-431	5.188	5.262	131.8	133.7	.269	.281	6.83	7.14	0.478	0.217
AS5729-432	5.313	5.387	135.0	136.8	.269	.281	6.83	7.14	0.481	0.219
AS5729-433	5.438	5.512	138.1	140.0	.269	.281	6.83	7.14	0.484	0.220
AS5729-434	5.563	5.637	141.3	143.2	.269	.281	6.83	7.14	0.488	0.222
AS5729-435	5.688	5.762	144.5	146.4	.269	.281	6.83	7.14	0.491	0.223
AS5729-436	5.813	5.887	147.7	149.5	.269	.281	6.83	7.14	0.494	0.225
AS5729-437	5.938	6.012	150.8	152.7	.269	.281	6.83	7.14	0.497	0.226
AS5729-438	6.185	6.265	157.1	159.1	.269	.281	6.83	7.14	0.504	0.229
AS5729-439	6.435	6.515	163.4	165.5	.269	.281	6.83	7.14	0.510	0.232
AS5729-440	6.685	6.765	169.8	171.8	.269	.281	6.83	7.14	0.517	0.235
AS5729-441	6.935	7.015	176.1	178.2	.269	.281	6.83	7.14	0.523	0.238
AS5729-442	7.180	7.270	182.4	184.7	.269	.281	6.83	7.14	0.529	0.241
AS5729-443	7.430	7.520	188.7	191.0	.269	.281	6.83	7.14	0.536	0.244
AS5729-444	7.680	7.770	195.1	197.4	.269	.281	6.83	7.14	0.542	0.246
AS5729-445	7.930	8.020	201.4	203.7	.269	.281	6.83	7.14	0.549	0.249

TABLE 1 – O-RING DIMENSIONS, TOLERANCES, AND APPROXIMATE MASS PER 100 PIECES BY PART NUMBER (CONT'D)

PART NUMBER	ID IN		ID (MM)		W DIA IN		W DIA (MM)		APPROX MASS	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LB/100	KG/100
AS5729-446	8.420	8.530	213.9	216.7	.269	.281	6.83	7.14	0.561	0.255
AS5729-447	8.920	9.030	226.6	229.4	.269	.281	6.83	7.14	0.574	0.261
AS5729-448	9.420	9.530	239.3	242.1	.269	.281	6.83	7.14	0.587	0.267
AS5729-449	9.920	10.030	252.0	254.8	.269	.281	6.83	7.14	0.600	0.273
AS5729-450	10.415	10.535	264.5	267.6	.269	.281	6.83	7.14	0.613	0.279
AS5729-451	10.915	11.035	277.2	280.3	.269	.281	6.83	7.14	0.626	0.284
AS5729-452	11.415	11.535	289.9	293.0	.269	.281	6.83	7.14	0.638	0.290
AS5729-453	11.915	12.035	302.6	305.7	.269	.281	6.83	7.14	0.651	0.296
AS5729-454	12.415	12.535	315.3	318.4	.269	.281	6.83	7.14	0.664	0.302
AS5729-455	12.915	13.035	328.0	331.1	.269	.281	6.83	7.14	0.677	0.308
AS5729-456	13.405	13.545	340.5	344.0	.269	.281	6.83	7.14	0.690	0.313
AS5729-457	13.905	14.045	353.2	356.7	.269	.281	6.83	7.14	0.702	0.319
AS5729-458	14.405	14.545	365.9	369.4	.269	.281	6.83	7.14	0.715	0.325
AS5729-459	14.905	15.045	378.6	382.1	.269	.281	6.83	7.14	0.728	0.331
AS5729-460	15.405	15.545	391.3	394.8	.269	.281	6.83	7.14	0.741	0.337
AS5729-461	15.880	16.030	403.4	407.2	.269	.281	6.83	7.14	0.753	0.342
AS5729-462	16.380	16.530	416.1	419.9	.269	.281	6.83	7.14	0.766	0.348
AS5729-463	16.875	17.035	428.6	432.7	.269	.281	6.83	7.14	0.779	0.354
AS5729-464	17.370	17.540	441.2	445.5	.269	.281	6.83	7.14	0.792	0.360
AS5729-465	17.870	18.040	453.9	458.2	.269	.281	6.83	7.14	0.805	0.366
AS5729-466	18.370	18.540	466.6	470.9	.269	.281	6.83	7.14	0.817	0.372
AS5729-467	18.865	19.045	479.2	483.7	.269	.281	6.83	7.14	0.830	0.377
AS5729-468	19.365	19.545	491.9	496.4	.269	.281	6.83	7.14	0.843	0.383
AS5729-469	19.860	20.050	504.4	509.3	.269	.281	6.83	7.14	0.856	0.389
AS5729-470	20.860	21.050	529.8	534.7	.269	.281	6.83	7.14	0.881	0.401
AS5729-471	21.855	22.055	555.1	560.2	.269	.281	6.83	7.14	0.907	0.412
AS5729-472	22.835	23.045	580.0	585.3	.269	.281	6.83	7.14	0.932	0.424
AS5729-473	23.830	24.050	605.3	610.9	.269	.281	6.83	7.14	0.958	0.435
AS5729-474	24.825	25.055	630.6	636.4	.269	.281	6.83	7.14	0.984	0.447
AS5729-475	25.820	26.060	655.8	661.9	.269	.281	6.83	7.14	1.009	0.459

APPLICATION:

THESE O-RINGS HAVE 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. EACH APPLICATION SHOULD BE CONSIDERED SEPARATELY. THESE O-RINGS HAVE A TYPICAL SERVICE TEMPERATURE RANGE OF -60 TO +400 °F (-51 TO +204 °C) IN AIR.

- A. O-RING SIZES -013 THROUGH -028, -117 THROUGH -149 AND -223 THROUGH -247 ARE INTENDED ONLY FOR USE AS STATIC SEALS AND ARE NOT TO BE USED IN APPLICATIONS WITH RECIPROCATING OR ROTARY INVOLVEMENT. THIS IS DUE TO THE POSSIBILITY OF SPIRAL FAILURE OCCURRING IN THESE SMALLER CROSS-SECTION-LARGER DIAMETER O-RING SIZES.
- B. O-RING SIZES -029 THROUGH -050, -150 THROUGH -178, -248 THROUGH -284, 350 THROUGH -395 AND -461 THROUGH -475 ARE NOT SUPPORTED BY AS4716 AND ARE INTENDED FOR NONSTANDARD APPLICATIONS. THEY ARE INTENDED ONLY FOR USE AS STATIC SEALS.

APPLICABLE REFERENCES:

SAE PUBLICATIONS:

AVAILABLE FROM SAE, 400 COMMONWEALTH DRIVE, WARRENDALE, PA 15096-0001, TEL: 877-606-7323 (INSIDE USA AND CANADA) OR 724-776-4970 (OUTSIDE USA), www.sae.org.

AMS2817 PACKAGING AND IDENTIFICATION, PREFORMED PACKINGS

AMS7379 RUBBER: FLUOROCARBON ELASTOMER (FKM) 70 TO 80 HARDNESS, LOW TEMPERATURE SEALING Tg -40 °F (-40 °C) FOR ELASTOMERIC SEALS IN AIRCRAFT ENGINE OIL, FUEL AND HYDRAULIC SYSTEMS

ARP5316 STORAGE OF ELASTOMERS AND SEAL ASSEMBLIES WHICH INCLUDE AN ELASTOMER ELEMENT PRIOR TO HARDWARE ASSEMBLY

 An SAE International Group	AEROSPACE STANDARD	SAE AS5729 SHEET 8 OF 10
	O-RING MOLDED FROM AMS7379 (FLUOROCARBON) MATERIAL	