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**REV. A**

**AS3569™**

FEDERAL SUPPLY CLASS  
5331

**RATIONALE**

THIS STANDARD WAS TRANSFERRED FROM E-25 TO A-6 AND HAS BEEN REVISED TO MAKE ITS FORMAT CONSISTENT WITH OTHER A-6 O-RING PART STANDARDS.

**1. SCOPE**

THIS STANDARD ESTABLISHES THE DIMENSIONAL AND VISUAL QUALITY REQUIREMENTS, LOT REQUIREMENTS, AND PACKAGING AND LABELING REQUIREMENTS FOR O-RINGS MOLDED FROM AMS7270 (MATERIAL NAME) RUBBER. IT SHALL BE USED FOR PROCUREMENT PURPOSES.

**1.1 APPLICATION**

THESE O- RINGS HAVE BEEN USED TYPICALLY FOR SEALING AT TEMPERATURES AS LOW AS -67 °F (-55 °C) WHERE RESISTANCE TO FUEL IS REQUIRED, BUT USAGE IS NOT LIMITED TO SUCH APPLICATIONS. EACH APPLICATION SHOULD BE CONSIDERED SEPARATELY.

**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 INTERNATIONAL, 400 COMMONWEALTH DRIVE, WARRENDALE, PA 15096-0001, TEL: 877-606-7323 (INSIDE USA AND CANADA) OR 724-776-4970 (OUTSIDE USA), [WWW.SAE.ORG](http://WWW.SAE.ORG).

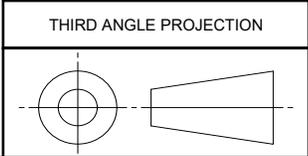
- AMS2817 PACKAGING AND IDENTIFICATION OF MOLDED ELASTOMERIC SEALS AND SEALING COMPONENTS
- AMS7270 RINGS, SEALINGS, BUTADIENE-ACRYLONITRILE (NBR) RUBBER FUEL RESISTANT 65 - 75
- AS1299 ADAPTER - PORT CONNECTION RING LOCKED TO FLARELESS TUBE END
- AS1300 PORT - RING LOCKED FLUID CONNECTION TYPE STANDARD DIMENSIONS FOR
- AS1985 FITTING, ASSEMBLY, ADAPTER RING LOCKED PORT CONNECTION TO FLARED TUBE END
- AS1986 FITTING ASSEMBLY, ADAPTER RING LOCKED PORT CONNECTION TO BEAM SEAL 4000 PSI AND 5000 PSI /9/
- AS4099 ADAPTER, ASSEMBLY - PORT CONNECTION RING LOCKED TO FLARELESS TUBE END
- AS4383 FITTING ASSEMBLY, REDUCER RING LOCKED PORT CONNECTION TO BEAM SEAL 5000 PSI /8/
- AS5316 STORAGE OF ELASTOMER SEALS AND SEAL ASSEMBLIES WHICH INCLUDE AN ELASTOMER ELEMENT PRIOR TO HARDWARE ASSEMBLY

**2.2 ASQ PUBLICATIONS**

AVAILABLE FROM AMERICAN SOCIETY FOR QUALITY, 600 NORTH PLANKINTON AVENUE, MILWAUKEE, WI 53203 OR [WWW.ASQ.ORG](http://WWW.ASQ.ORG).

ANSI/ASQ Z1.4 SAMPLING PROCEDURES AND TABLES FOR INSPECTION BY ATTRIBUTES

**For more information on this standard, visit**  
<https://www.sae.org/standards/content/AS3569A/>



CUSTODIAN: SAE A-6C2 SEALS PANEL		PROCUREMENT SPECIFICATION	
	<b>AEROSPACE STANDARD</b>		<b>AS3569™</b> SHEET 1 OF 13
	(R) O-RING MOLDED FROM AMS7270 BUTADIENE-ACRYLONITRILE (NBR) RUBBER MATERIAL		

ISSUED 1995-11 REAFFIRMED 2018-08 REVISED 2021-08

2.3 ASME PUBLICATIONS

AVAILABLE FROM ASME, TWO PARK AVENUE, NEW YORK, NY 10016-5990, TEL: 800-843-2763,  
[WWW.CUSTOMERCARE@ASME.ORG](mailto:WWW.CUSTOMERCARE@ASME.ORG)

ASME Y14.5 DIMENSIONING AND TOLERANCING REQUIREMENTS

2.4 ISO PUBLICATIONS

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

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

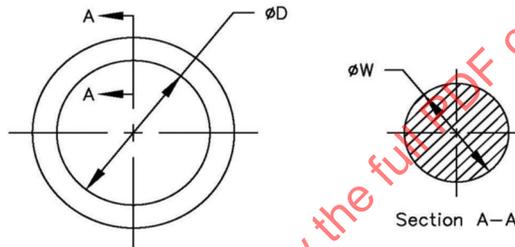
ISO 3601-3 FLUID POWER SYSTEMS – O-RINGS – PART 3: QUALITY ACCEPTANCE CRITERIA

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.

TABLE 2 PROVIDES THE PART NUMBERS, DIMENSIONS AND APPROXIMATE MASSES FOR STRAIGHT THREAD TUBE FITTING BOSS GASKETS.



NOTE: DIMENSIONS AND TOLERANCES AS PER ASME Y14.5

**FIGURE 1 - O-RING DIMENSIONS: WIDTH ( $\phi W$ ) AND INSIDE DIAMETER ( $\phi D$ )**

	<b>AEROSPACE STANDARD</b>	<b>AS3569™</b> SHEET 2 OF 13	<b>REV.</b> <b>A</b>
	(R) O-RING MOLDED FROM AMS7270 BUTADIENE-ACRYLONITRILE (NBR) RUBBER MATERIAL		

**TABLE 1 - PART NUMBERS, DIMENSIONS, AND MASSES**

NOTE	PART NUMBER	ØD (IN)		ØD (MM)		ØW (IN)		ØW (MM)		APPROX MASS		
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	(LB/100)	(KG/100)	
	AS3569-001	.025	.033	.64	.84	.037	.043	.94	1.09	.0005	.0002	
	AS3569-002	.038	.046	.97	1.17	.047	.053	1.19	1.35	.0012	.001	
	AS3569-003	.052	.060	1.32	1.52	.057	.063	1.45	1.60	.002	.001	
	AS3569-004	.065	.075	1.65	1.91	.067	.073	1.70	1.85	.004	.002	
	AS3569-005	.096	.106	2.44	2.69	.067	.073	1.70	1.85	.005	.002	
	AS3569-006	.109	.119	2.77	3.02	.067	.073	1.70	1.85	.006	.003	
	AS3569-007	.140	.150	3.56	3.81	.067	.073	1.70	1.85	.008	.004	
	AS3569-008	.171	.181	4.34	4.60	.067	.073	1.70	1.85	.010	.004	
	AS3569-009	.203	.213	5.16	5.41	.067	.073	1.70	1.85	.012	.005	
	AS3569-010	.234	.244	5.94	6.20	.067	.073	1.70	1.85	.013	.006	
	AS3569-011	.296	.306	7.52	7.77	.067	.073	1.70	1.85	.017	.008	
	AS3569-012	.359	.369	9.12	9.37	.067	.073	1.70	1.85	.020	.009	
(A)	AS3569-013	.421	.431	10.69	10.95	.067	.073	1.70	1.85	.024	.011	
	AS3569-014	.484	.494	12.29	12.55	.067	.073	1.70	1.85	.027	.012	
	AS3569-015	.544	.558	13.82	14.17	.067	.073	1.70	1.85	.031	.014	
	AS3569-016	.605	.623	15.37	15.82	.067	.073	1.70	1.85	.034	.016	
	AS3569-017	.667	.685	16.94	17.40	.067	.073	1.70	1.85	.038	.017	
	AS3569-018	.730	.748	18.54	19.00	.067	.073	1.70	1.85	.041	.019	
	AS3569-019	.792	.810	20.12	20.57	.067	.073	1.70	1.85	.045	.020	
	AS3569-020	.855	.873	21.72	22.17	.067	.073	1.70	1.85	.048	.022	
	AS3569-021	.917	.935	23.29	23.75	.067	.073	1.70	1.85	.052	.023	
	AS3569-022	.979	.999	24.87	25.37	.067	.073	1.70	1.85	.055	.025	
	AS3569-023	1.041	1.061	26.44	26.95	.067	.073	1.70	1.85	.059	.027	
	AS3569-024	1.104	1.124	28.04	28.55	.067	.073	1.70	1.85	.062	.028	
	AS3569-025	1.165	1.187	29.59	30.15	.067	.073	1.70	1.85	.066	.030	
	AS3569-026	1.228	1.250	31.19	31.75	.067	.073	1.70	1.85	.069	.031	
	AS3569-027	1.290	1.312	32.77	33.32	.067	.073	1.70	1.85	.073	.033	
	AS3569-028	1.351	1.377	34.32	34.98	.067	.073	1.70	1.85	.076	.035	
	(B)	AS3569-029	1.476	1.502	37.49	38.15	.067	.073	1.70	1.85	.083	.038
		AS3569-030	1.601	1.627	40.67	41.33	.067	.073	1.70	1.85	.090	.041
AS3569-031		1.724	1.754	43.79	44.55	.067	.073	1.70	1.85	.097	.044	
AS3569-032		1.849	1.879	46.96	47.73	.067	.073	1.70	1.85	.104	.047	
AS3569-033		1.971	2.007	50.06	50.98	.067	.073	1.70	1.85	.111	.050	
AS3569-034		2.096	2.132	53.24	54.15	.067	.073	1.70	1.85	.118	.054	
AS3569-035		2.221	2.257	56.41	57.33	.067	.073	1.70	1.85	.125	.057	
AS3569-036		2.346	2.382	59.59	60.50	.067	.073	1.70	1.85	.132	.060	
AS3569-037		2.471	2.507	62.76	63.68	.067	.073	1.70	1.85	.139	.063	
AS3569-038		2.594	2.634	65.89	66.90	.067	.073	1.70	1.85	.146	.066	
AS3569-039		2.719	2.759	69.06	70.08	.067	.073	1.70	1.85	.153	.069	
AS3569-040		2.844	2.884	72.24	73.25	.067	.073	1.70	1.85	.160	.073	
AS3569-041		2.965	3.013	75.31	76.53	.067	.073	1.70	1.85	.167	.076	
AS3569-042		3.215	3.263	81.66	82.88	.067	.073	1.70	1.85	.181	.082	
AS3569-043		3.465	3.513	88.01	89.23	.067	.073	1.70	1.85	.195	.088	
AS3569-044		3.712	3.766	94.28	95.66	.067	.073	1.70	1.85	.209	.095	
AS3569-045		3.962	4.016	100.63	102.01	.067	.073	1.70	1.85	.223	.101	
AS3569-046		4.209	4.269	106.91	108.43	.067	.073	1.70	1.85	.237	.108	
AS3569-047	4.459	4.519	113.26	114.78	.067	.073	1.70	1.85	.251	.114		
AS3569-048	4.709	4.769	119.61	121.13	.067	.073	1.70	1.85	.265	.120		
AS3569-049	4.952	5.026	125.78	127.66	.067	.073	1.70	1.85	.279	.127		
AS3569-050	5.202	5.276	132.13	134.01	.067	.073	1.70	1.85	.293	.133		

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

NOTE	PART NUMBER	ØD (IN)		ØD (MM)		ØW (IN)		ØW (MM)		APPROX MASS	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	(LB/100)	(KG/100)
(A)	AS3569-102	.044	.054	1.12	1.37	.100	.106	2.54	2.69	.006	.003
	AS3569-103	.076	.086	1.93	2.18	.100	.106	2.54	2.69	.010	.004
	AS3569-104	.107	.117	2.72	2.97	.100	.106	2.54	2.69	.014	.006
	AS3569-105	.138	.148	3.51	3.76	.100	.106	2.54	2.69	.017	.008
	AS3569-106	.169	.179	4.29	4.55	.100	.106	2.54	2.69	.021	.010
	AS3569-107	.201	.211	5.11	5.36	.100	.106	2.54	2.69	.025	.011
	AS3569-108	.232	.242	5.89	6.15	.100	.106	2.54	2.69	.029	.013
	AS3569-109	.294	.304	7.47	7.72	.100	.106	2.54	2.69	.036	.016
	AS3569-110	.357	.367	9.07	9.32	.100	.106	2.54	2.69	.044	.020
	AS3569-111	.419	.429	10.64	10.90	.100	.106	2.54	2.69	.051	.023
	AS3569-112	.482	.492	12.24	12.50	.100	.106	2.54	2.69	.059	.027
	AS3569-113	.542	.556	13.77	14.12	.100	.106	2.54	2.69	.066	.030
	AS3569-114	.603	.621	15.32	15.77	.100	.106	2.54	2.69	.074	.034
	AS3569-115	.665	.683	16.89	17.35	.100	.106	2.54	2.69	.082	.037
	AS3569-116	.728	.746	18.49	18.95	.100	.106	2.54	2.69	.089	.040
	AS3569-117	.789	.809	20.04	20.55	.100	.106	2.54	2.69	.097	.044
	AS3569-118	.852	.872	21.64	22.15	.100	.106	2.54	2.69	.104	.047
	AS3569-119	.914	.934	23.22	23.72	.100	.106	2.54	2.69	.112	.051
	AS3569-120	.977	.997	24.82	25.32	.100	.106	2.54	2.69	.119	.054
	AS3569-121	1.039	1.059	26.39	26.90	.100	.106	2.54	2.69	.127	.058
	AS3569-122	1.102	1.122	27.99	28.50	.100	.106	2.54	2.69	.134	.061
	AS3569-123	1.162	1.186	29.51	30.12	.100	.106	2.54	2.69	.142	.064
	AS3569-124	1.225	1.249	31.12	31.72	.100	.106	2.54	2.69	.150	.068
	AS3569-125	1.287	1.311	32.69	33.30	.100	.106	2.54	2.69	.157	.071
	AS3569-126	1.350	1.374	34.29	34.90	.100	.106	2.54	2.69	.165	.075
	AS3569-127	1.412	1.436	35.86	36.47	.100	.106	2.54	2.69	.172	.078
	AS3569-128	1.475	1.499	37.46	38.07	.100	.106	2.54	2.69	.180	.082
	AS3569-129	1.534	1.564	38.96	39.73	.100	.106	2.54	2.69	.187	.085
	AS3569-130	1.597	1.627	40.56	41.33	.100	.106	2.54	2.69	.195	.089
	AS3569-131	1.659	1.689	42.14	42.90	.100	.106	2.54	2.69	.202	.092
	AS3569-132	1.722	1.752	43.74	44.50	.100	.106	2.54	2.69	.210	.095
	AS3569-133	1.784	1.814	45.31	46.08	.100	.106	2.54	2.69	.218	.099
	AS3569-134	1.847	1.877	46.91	47.68	.100	.106	2.54	2.69	.225	.102
	AS3569-135	1.908	1.942	48.46	49.33	.100	.106	2.54	2.69	.233	.106
	AS3569-136	1.970	2.004	50.04	50.90	.100	.106	2.54	2.69	.240	.109
	AS3569-137	2.033	2.067	51.64	52.50	.100	.106	2.54	2.69	.248	.113
	AS3569-138	2.095	2.129	53.21	54.08	.100	.106	2.54	2.69	.255	.116
	AS3569-139	2.158	2.192	54.81	55.68	.100	.106	2.54	2.69	.263	.119
	AS3569-140	2.220	2.254	56.39	57.25	.100	.106	2.54	2.69	.271	.123
	AS3569-141	2.280	2.320	57.91	58.93	.100	.106	2.54	2.69	.278	.126
AS3569-142	2.342	2.382	59.49	60.50	.100	.106	2.54	2.69	.286	.130	
AS3569-143	2.405	2.445	61.09	62.10	.100	.106	2.54	2.69	.293	.133	
AS3569-144	2.467	2.507	62.66	63.68	.100	.106	2.54	2.69	.301	.137	
AS3569-145	2.530	2.570	64.26	65.28	.100	.106	2.54	2.69	.308	.140	
AS3569-146	2.592	2.632	65.84	66.85	.100	.106	2.54	2.69	.316	.143	
AS3569-147	2.653	2.697	67.39	68.50	.100	.106	2.54	2.69	.324	.147	
AS3569-148	2.715	2.759	68.96	70.08	.100	.106	2.54	2.69	.331	.150	
AS3569-149	2.778	2.822	70.56	71.68	.100	.106	2.54	2.69	.339	.154	

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

NOTE	PART NUMBER	ØD (IN)		ØD (MM)		ØW (IN)		ØW (MM)		APPROX MASS	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	(LB/100)	(KG/100)
(B)	AS3569-150	2.840	2.884	72.14	73.25	.100	.106	2.54	2.69	.346	.157
	AS3569-151	2.963	3.011	75.26	76.48	.100	.106	2.54	2.69	.361	.164
	AS3569-152	3.213	3.261	81.61	82.83	.100	.106	2.54	2.69	.391	.178
	AS3569-153	3.463	3.511	87.96	89.18	.100	.106	2.54	2.69	.422	.191
	AS3569-154	3.709	3.765	94.21	95.63	.100	.106	2.54	2.69	.452	.205
	AS3569-155	3.959	4.015	100.56	101.98	.100	.106	2.54	2.69	.482	.219
	AS3569-156	4.207	4.267	106.86	108.38	.100	.106	2.54	2.69	.512	.233
	AS3569-157	4.457	4.517	113.21	114.73	.100	.106	2.54	2.69	.543	.246
	AS3569-158	4.707	4.767	119.56	121.08	.100	.106	2.54	2.69	.573	.260
	AS3569-159	4.952	5.022	125.78	127.56	.100	.106	2.54	2.69	.603	.274
	AS3569-160	5.202	5.272	132.13	133.91	.100	.106	2.54	2.69	.633	.288
	AS3569-161	5.452	5.522	138.48	140.26	.100	.106	2.54	2.69	.664	.301
	AS3569-162	5.702	5.772	144.83	146.61	.100	.106	2.54	2.69	.694	.315
	AS3569-163	5.952	6.022	151.18	152.96	.100	.106	2.54	2.69	.724	.329
	AS3569-164	6.197	6.277	157.40	159.44	.100	.106	2.54	2.69	.744	.338
	AS3569-165	6.447	6.527	163.75	165.79	.100	.106	2.54	2.69	.785	.356
	AS3569-166	6.697	6.777	170.10	172.14	.100	.106	2.54	2.69	.815	.370
	AS3569-167	6.947	7.027	176.45	178.49	.100	.106	2.54	2.69	.845	.384
	AS3569-168	7.192	7.282	182.68	184.96	.100	.106	2.54	2.69	.875	.397
	AS3569-169	7.442	7.532	189.03	191.31	.100	.106	2.54	2.69	.905	.411
	AS3569-170	7.692	7.782	195.38	197.66	.100	.106	2.54	2.69	.936	.425
	AS3569-171	7.942	8.032	201.73	204.01	.100	.106	2.54	2.69	.966	.439
AS3569-172	8.187	8.287	207.95	210.49	.100	.106	2.54	2.69	.996	.452	
AS3569-173	8.437	8.537	214.30	216.84	.100	.106	2.54	2.69	1.026	.466	
AS3569-174	8.687	8.787	220.65	223.19	.100	.106	2.54	2.69	1.057	.480	
AS3569-175	8.937	9.037	227.00	229.54	.100	.106	2.54	2.69	1.087	.493	
AS3569-176	9.182	9.292	233.22	236.02	.100	.106	2.54	2.69	1.117	.507	
AS3569-177	9.432	9.542	239.57	242.37	.100	.106	2.54	2.69	1.147	.521	
AS3569-178	9.682	9.792	245.92	248.72	.100	.106	2.54	2.69	1.178	.535	
AS3569-201	.166	.176	4.22	4.47	.135	.143	3.43	3.63	.038	.017	
AS3569-202	.229	.239	5.82	6.07	.135	.143	3.43	3.63	.052	.023	
AS3569-203	.291	.301	7.39	7.65	.135	.143	3.43	3.63	.065	.030	
AS3569-204	.354	.364	8.99	9.25	.135	.143	3.43	3.63	.079	.036	
AS3569-205	.416	.426	10.57	10.82	.135	.143	3.43	3.63	.093	.042	
AS3569-206	.479	.489	12.17	12.42	.135	.143	3.43	3.63	.107	.048	
AS3569-207	.539	.553	13.69	14.05	.135	.143	3.43	3.63	.120	.055	
AS3569-208	.600	.618	15.24	15.70	.135	.143	3.43	3.63	.134	.061	
AS3569-209	.662	.680	16.81	17.27	.135	.143	3.43	3.63	.148	.067	
AS3569-210	.724	.744	18.39	18.90	.135	.143	3.43	3.63	.162	.073	
AS3569-211	.786	.806	19.96	20.47	.135	.143	3.43	3.63	.175	.080	
AS3569-212	.849	.869	21.56	22.07	.135	.143	3.43	3.63	.189	.086	
AS3569-213	.911	.931	23.14	23.65	.135	.143	3.43	3.63	.203	.092	
AS3569-214	.974	.994	24.74	25.25	.135	.143	3.43	3.63	.217	.098	
AS3569-215	1.036	1.056	26.31	26.82	.135	.143	3.43	3.63	.230	.105	
AS3569-216	1.097	1.121	27.86	28.47	.135	.143	3.43	3.63	.244	.111	
AS3569-217	1.159	1.183	29.44	30.05	.135	.143	3.43	3.63	.258	.117	
AS3569-218	1.222	1.246	31.04	31.65	.135	.143	3.43	3.63	.272	.123	
AS3569-219	1.284	1.308	32.61	33.22	.135	.143	3.43	3.63	.285	.130	
AS3569-220	1.347	1.371	34.21	34.82	.135	.143	3.43	3.63	.299	.136	

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

NOTE	PART NUMBER	ØD (IN)		ØD (MM)		ØW (IN)		ØW (MM)		APPROX MASS	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	(LB/100)	(KG/100)
(A)	AS3569-221	1.409	1.433	35.79	36.40	.135	.143	3.43	3.63	.313	.142
	AS3569-222	1.469	1.499	37.31	38.07	.135	.143	3.43	3.63	.327	.148
	AS3569-223	1.594	1.624	40.49	41.25	.135	.143	3.43	3.63	.354	.161
	AS3569-224	1.719	1.749	43.66	44.42	.135	.143	3.43	3.63	.382	.173
	AS3569-225	1.841	1.877	46.76	47.68	.135	.143	3.43	3.63	.409	.186
	AS3569-226	1.966	2.002	49.94	50.85	.135	.143	3.43	3.63	.437	.198
	AS3569-227	2.091	2.127	53.11	54.03	.135	.143	3.43	3.63	.465	.211
	AS3569-228	2.214	2.254	56.24	57.25	.135	.143	3.43	3.63	.492	.223
	AS3569-229	2.339	2.379	59.41	60.43	.135	.143	3.43	3.63	.520	.236
	AS3569-230	2.464	2.504	62.59	63.60	.135	.143	3.43	3.63	.547	.248
	AS3569-231	2.589	2.629	65.76	66.78	.135	.143	3.43	3.63	.575	.261
	AS3569-232	2.710	2.758	68.83	70.05	.135	.143	3.43	3.63	.602	.273
	AS3569-233	2.835	2.883	72.01	73.23	.135	.143	3.43	3.63	.630	.286
	AS3569-234	2.960	3.008	75.18	76.40	.135	.143	3.43	3.63	.657	.298
	AS3569-235	3.085	3.133	78.36	79.58	.135	.143	3.43	3.63	.685	.311
	AS3569-236	3.210	3.258	81.53	82.75	.135	.143	3.43	3.63	.712	.323
	AS3569-237	3.335	3.383	84.71	85.93	.135	.143	3.43	3.63	.740	.336
	AS3569-238	3.460	3.508	87.88	89.10	.135	.143	3.43	3.63	.767	.348
	AS3569-239	3.581	3.637	90.96	92.38	.135	.143	3.43	3.63	.795	.361
	AS3569-240	3.706	3.762	94.13	95.55	.135	.143	3.43	3.63	.822	.373
	AS3569-241	3.831	3.887	97.31	98.73	.135	.143	3.43	3.63	.850	.386
	AS3569-242	3.956	4.012	100.48	101.90	.135	.143	3.43	3.63	.877	.398
	AS3569-243	4.081	4.137	103.66	105.08	.135	.143	3.43	3.63	.905	.411
	AS3569-244	4.204	4.264	106.76	108.31	.135	.143	3.43	3.63	.933	.423
	AS3569-245	4.329	4.389	109.96	111.48	.135	.143	3.43	3.63	.960	.436
	AS3569-246	4.454	4.514	113.13	114.66	.135	.143	3.43	3.63	.988	.448
	AS3569-247	4.579	4.639	116.31	117.83	.135	.143	3.43	3.63	1.015	.461
AS3569-248	4.704	4.764	119.48	121.01	.135	.143	3.43	3.63	1.043	.473	
AS3569-249	4.824	4.894	122.53	124.31	.135	.143	3.43	3.63	1.070	.486	
AS3569-250	4.949	5.019	125.70	127.48	.135	.143	3.43	3.63	1.098	.498	
AS3569-251	5.074	5.144	128.88	130.66	.135	.143	3.43	3.63	1.125	.511	
AS3569-252	5.199	5.269	132.05	133.83	.135	.143	3.43	3.63	1.153	.523	
AS3569-253	5.324	5.394	135.23	137.01	.135	.143	3.43	3.63	1.180	.536	
AS3569-254	5.449	5.519	138.40	140.18	.135	.143	3.43	3.63	1.208	.548	
AS3569-255	5.574	5.644	141.58	143.36	.135	.143	3.43	3.63	1.235	.561	
AS3569-256	5.699	5.769	144.75	146.53	.135	.143	3.43	3.63	1.263	.573	
AS3569-257	5.824	5.894	147.93	149.71	.135	.143	3.43	3.63	1.290	.586	
AS3569-258	5.949	6.019	151.10	152.88	.135	.143	3.43	3.63	1.318	.598	
AS3569-259	6.194	6.274	157.33	159.36	.135	.143	3.43	3.63	1.373	.623	
AS3569-260	6.444	6.524	163.68	165.71	.135	.143	3.43	3.63	1.428	.648	
AS3569-261	6.694	6.774	170.03	172.06	.135	.143	3.43	3.63	1.483	.673	
AS3569-262	6.944	7.024	176.38	178.41	.135	.143	3.43	3.63	1.538	.698	
AS3569-263	7.189	7.279	182.60	184.89	.135	.143	3.43	3.63	1.593	.723	
AS3569-264	7.439	7.529	188.95	191.24	.135	.143	3.43	3.63	1.648	.748	
AS3569-265	7.689	7.779	195.30	197.59	.135	.143	3.43	3.63	1.703	.773	
AS3569-266	7.939	8.029	201.65	203.94	.135	.143	3.43	3.63	1.758	.798	
AS3569-267	8.184	8.284	207.87	210.41	.135	.143	3.43	3.63	1.814	.823	
AS3569-268	8.434	8.534	214.22	216.76	.135	.143	3.43	3.63	1.869	.848	
AS3569-269	8.684	8.784	220.57	223.11	.135	.143	3.43	3.63	1.924	.873	
AS3569-270	8.934	9.034	226.92	229.46	.135	.143	3.43	3.63	1.979	.898	

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

NOTE	PART NUMBER	ØD (IN)		ØD (MM)		ØW (IN)		ØW (MM)		APPROX MASS	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	(LB/100)	(KG/100)
(B)	AS3569-271	9.179	9.289	233.15	235.94	.135	.143	3.43	3.63	2.034	.923
	AS3569-272	9.429	9.539	239.50	242.29	.135	.143	3.43	3.63	2.089	.948
	AS3569-273	9.679	9.789	245.85	248.64	.135	.143	3.43	3.63	2.144	.973
	AS3569-274	9.929	10.039	252.20	254.99	.135	.143	3.43	3.63	2.199	.998
	AS3569-275	10.429	10.539	264.90	267.69	.135	.143	3.43	3.63	2.309	1.048
	AS3569-276	10.919	11.049	277.34	280.64	.135	.143	3.43	3.63	2.419	1.098
	AS3569-277	11.419	11.549	290.04	293.34	.135	.143	3.43	3.63	2.529	1.148
	AS3569-278	11.919	12.049	302.74	306.04	.135	.143	3.43	3.63	2.639	1.198
	AS3569-279	12.919	13.049	328.14	331.44	.135	.143	3.43	3.63	2.860	1.298
	AS3569-280	13.919	14.049	353.54	356.84	.135	.143	3.43	3.63	3.080	1.398
	AS3569-281	14.919	15.049	378.94	382.24	.135	.143	3.43	3.63	3.300	1.498
	AS3569-282	15.880	16.030	403.35	407.16	.135	.143	3.43	3.63	3.514	1.595
	AS3569-283	16.875	17.035	428.63	432.69	.135	.143	3.43	3.63	3.734	1.695
	AS3569-284	17.870	18.040	453.90	458.22	.135	.143	3.43	3.63	3.955	1.795
	AS3569-309	.407	.417	10.34	10.59	.205	.215	5.21	5.46	.207	.094
	AS3569-310	.470	.480	11.94	12.19	.205	.215	5.21	5.46	.239	.108
	AS3569-311	.530	.544	13.46	13.82	.205	.215	5.21	5.46	.270	.123
	AS3569-312	.591	.609	15.01	15.47	.205	.215	5.21	5.46	.302	.137
	AS3569-313	.653	.671	16.59	17.04	.205	.215	5.21	5.46	.333	.151
	AS3569-314	.715	.735	18.16	18.67	.205	.215	5.21	5.46	.364	.165
	AS3569-315	.777	.797	19.74	20.24	.205	.215	5.21	5.46	.396	.180
	AS3569-316	.840	.860	21.34	21.84	.205	.215	5.21	5.46	.427	.194
	AS3569-317	.902	.922	22.91	23.42	.205	.215	5.21	5.46	.453	.206
	AS3569-318	.965	.985	24.51	25.02	.205	.215	5.21	5.46	.490	.223
	AS3569-319	1.027	1.047	26.09	26.59	.205	.215	5.21	5.46	.521	.237
	AS3569-320	1.088	1.112	27.64	28.24	.205	.215	5.21	5.46	.553	.251
	AS3569-321	1.150	1.174	29.21	29.82	.205	.215	5.21	5.46	.584	.265
	AS3569-322	1.213	1.237	30.81	31.42	.205	.215	5.21	5.46	.616	.280
	AS3569-323	1.275	1.299	32.39	32.99	.205	.215	5.21	5.46	.647	.294
	AS3569-324	1.338	1.362	33.99	34.59	.205	.215	5.21	5.46	.679	.308
	AS3569-325	1.460	1.490	37.08	37.85	.205	.215	5.21	5.46	.742	.337
	AS3569-326	1.585	1.615	40.26	41.02	.205	.215	5.21	5.46	.804	.365
	AS3569-327	1.710	1.740	43.43	44.20	.205	.215	5.21	5.46	.867	.394
	AS3569-328	1.835	1.865	46.61	47.37	.205	.215	5.21	5.46	.930	.422
	AS3569-329	1.957	1.993	49.71	50.62	.205	.215	5.21	5.46	.993	.451
	AS3569-330	2.082	2.118	52.88	53.80	.205	.215	5.21	5.46	1.056	.479
	AS3569-331	2.207	2.243	56.06	56.97	.205	.215	5.21	5.46	1.119	.508
	AS3569-332	2.332	2.368	59.23	60.15	.205	.215	5.21	5.46	1.181	.536
	AS3569-333	2.455	2.495	62.36	63.37	.205	.215	5.21	5.46	1.244	.565
	AS3569-334	2.580	2.620	65.53	66.55	.205	.215	5.21	5.46	1.307	.593
	AS3569-335	2.705	2.745	68.71	69.72	.205	.215	5.21	5.46	1.370	.622
	AS3569-336	2.830	2.870	71.88	72.90	.205	.215	5.21	5.46	1.433	.650
	AS3569-337	2.951	2.999	74.96	76.17	.205	.215	5.21	5.46	1.496	.679
	AS3569-338	3.076	3.124	78.13	79.35	.205	.215	5.21	5.46	1.558	.708
	AS3569-339	3.201	3.249	81.31	82.52	.205	.215	5.21	5.46	1.621	.736
	AS3569-340	3.326	3.374	84.48	85.70	.205	.215	5.21	5.46	1.684	.765

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

NOTE	PART NUMBER	ØD (IN)		ØD (MM)		ØW (IN)		ØW (MM)		APPROX MASS	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	(LB/100)	(KG/100)
	AS3569-341	3.451	3.499	87.66	88.87	.205	.215	5.21	5.46	1.747	.793
	AS3569-342	3.572	3.628	90.73	92.15	.205	.215	5.21	5.46	1.810	.822
	AS3569-343	3.697	3.753	93.90	95.33	.205	.215	5.21	5.46	1.873	.850
	AS3569-344	3.822	3.878	97.08	98.50	.205	.215	5.21	5.46	1.935	.879
	AS3569-345	3.947	4.003	100.25	101.68	.205	.215	5.21	5.46	1.998	.907
	AS3569-346	4.072	4.128	103.43	104.85	.205	.215	5.21	5.46	2.061	.936
	AS3569-347	4.195	4.255	106.55	108.08	.205	.215	5.21	5.46	2.124	.964
	AS3569-348	4.320	4.380	109.73	111.25	.205	.215	5.21	5.46	2.187	.993
	AS3569-349	4.445	4.505	112.90	114.43	.205	.215	5.21	5.46	2.250	1.021
	AS3569-350	4.570	4.630	116.08	117.60	.205	.215	5.21	5.46	2.313	1.050
	AS3569-351	4.695	4.755	119.25	120.78	.205	.215	5.21	5.46	2.375	1.078
	AS3569-352	4.820	4.880	122.43	123.95	.205	.215	5.21	5.46	2.438	1.107
	AS3569-353	4.938	5.012	125.43	127.30	.205	.215	5.21	5.46	2.501	1.135
	AS3569-354	5.063	5.137	128.60	130.46	.205	.215	5.21	5.46	2.564	1.164
	AS3569-355	5.188	5.262	131.78	133.65	.205	.215	5.21	5.46	2.627	1.193
	AS3569-356	5.313	5.387	134.95	136.83	.205	.215	5.21	5.46	2.690	1.221
	AS3569-357	5.438	5.512	138.13	140.00	.205	.215	5.21	5.46	2.752	1.250
	AS3569-358	5.563	5.637	141.30	143.18	.205	.215	5.21	5.46	2.815	1.278
	AS3569-359	5.688	5.762	144.48	146.35	.205	.215	5.21	5.46	2.878	1.307
	AS3569-360	5.813	5.887	147.65	149.53	.205	.215	5.21	5.46	2.941	1.335
	AS3569-361	5.938	6.012	150.83	152.70	.205	.215	5.21	5.46	3.004	1.364
	AS3569-362	6.185	6.265	157.10	159.13	.205	.215	5.21	5.46	3.129	1.421
	AS3569-363	6.435	6.515	163.45	165.48	.205	.215	5.21	5.46	3.255	1.478
	AS3569-364	6.685	6.765	169.80	171.83	.205	.215	5.21	5.46	3.381	1.535
	AS3569-365	6.935	7.015	176.15	178.18	.205	.215	5.21	5.46	3.506	1.592
	AS3569-366	7.180	7.270	182.37	184.66	.205	.215	5.21	5.46	3.632	1.649
	AS3569-367	7.430	7.520	188.72	191.01	.205	.215	5.21	5.46	3.758	1.706
	AS3569-368	7.680	7.770	195.07	197.36	.205	.215	5.21	5.46	3.884	1.763
	AS3569-369	7.930	8.020	201.42	203.71	.205	.215	5.21	5.46	4.009	1.820
(B)	AS3569-370	8.175	8.275	207.65	210.19	.205	.215	5.21	5.46	4.135	1.877
	AS3569-371	8.425	8.525	214.00	216.54	.205	.215	5.21	5.46	4.261	1.934
	AS3569-372	8.675	8.775	220.35	222.89	.205	.215	5.21	5.46	4.386	1.991
	AS3569-373	8.925	9.025	226.70	229.24	.205	.215	5.21	5.46	4.512	2.048
	AS3569-374	9.170	9.280	232.92	235.71	.205	.215	5.21	5.46	4.638	2.106
	AS3569-375	9.420	9.530	239.27	242.06	.205	.215	5.21	5.46	4.763	2.163
	AS3569-376	9.670	9.780	245.62	248.41	.205	.215	5.21	5.46	4.889	2.220
	AS3569-377	9.920	10.030	251.97	254.76	.205	.215	5.21	5.46	5.015	2.277
	AS3569-378	10.415	10.535	264.54	267.59	.205	.215	5.21	5.46	5.266	2.391
	AS3569-379	10.915	11.035	277.24	280.29	.205	.215	5.21	5.46	5.517	2.505
	AS3569-380	11.410	11.540	289.81	293.12	.205	.215	5.21	5.46	5.769	2.619
	AS3569-381	11.910	12.040	302.51	305.82	.205	.215	5.21	5.46	6.020	2.733
	AS3569-382	12.910	13.040	327.91	331.22	.205	.215	5.21	5.46	6.523	2.961
	AS3569-383	13.905	14.045	353.19	356.74	.205	.215	5.21	5.46	7.025	3.190
	AS3569-384	14.905	15.045	378.59	382.14	.205	.215	5.21	5.46	7.528	3.418
	AS3569-385	15.880	16.030	403.35	407.16	.205	.215	5.21	5.46	8.021	3.642
	AS3569-386	16.875	17.035	428.63	432.69	.205	.215	5.21	5.46	8.524	3.870
	AS3569-387	17.870	18.040	453.90	458.22	.205	.215	5.21	5.46	9.026	4.098
	AS3569-388	18.865	19.045	479.17	483.74	.205	.215	5.21	5.46	9.529	4.326
	AS3569-389	19.860	20.050	504.44	509.27	.205	.215	5.21	5.46	10.032	4.555
	AS3569-390	20.860	21.050	529.84	534.67	.205	.215	5.21	5.46	10.534	4.783



**AEROSPACE STANDARD**

(R) O-RING MOLDED FROM AMS7270 BUTADIENE-ACRYLONITRILE (NBR) RUBBER MATERIAL

**AS3569™**  
SHEET 8 OF 13

**REV. A**

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

NOTE	PART NUMBER	ØD (IN)		ØD (MM)		ØW (IN)		ØW (MM)		APPROX MASS	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	(LB/100)	(KG/100)
(B) ↓	AS3569-391	21.855	22.055	555.12	560.20	.205	.215	5.21	5.46	11.037	5.011
	AS3569-392	22.835	23.045	580.01	585.34	.205	.215	5.21	5.46	11.532	5.236
	AS3569-393	23.830	24.050	605.26	610.87	.205	.215	5.21	5.46	12.035	5.464
	AS3569-394	24.825	25.055	630.56	636.40	.205	.215	5.21	5.46	12.538	5.692
	AS3569-395	25.820	26.060	655.83	661.92	.205	.215	5.21	5.46	13.041	5.921
	AS3569-425	4.442	4.508	112.83	114.50	.269	.281	6.83	7.14	3.858	1.751
	AS3569-426	4.567	4.633	116.00	117.68	.269	.281	6.83	7.14	3.966	1.800
	AS3569-427	4.692	4.758	119.18	120.85	.269	.281	6.83	7.14	4.073	1.849
	AS3569-428	4.817	4.883	122.35	124.03	.269	.281	6.83	7.14	4.181	1.898
	AS3569-429	4.938	5.012	125.43	127.30	.269	.281	6.83	7.14	4.289	1.947
	AS3569-430	5.063	5.137	128.60	130.48	.269	.281	6.83	7.14	4.397	1.996
	AS3569-431	5.188	5.262	131.78	133.65	.269	.281	6.83	7.14	4.504	2.045
	AS3569-432	5.313	5.387	134.95	136.83	.269	.281	6.83	7.14	4.612	2.094
	AS3569-433	5.438	5.512	138.13	140.00	.269	.281	6.83	7.14	4.720	2.143
	AS3569-434	5.563	5.637	141.30	143.18	.269	.281	6.83	7.14	4.828	2.192
	AS3569-435	5.688	5.762	144.48	146.35	.269	.281	6.83	7.14	4.935	2.241
	AS3569-436	5.813	5.887	147.65	149.53	.269	.281	6.83	7.14	5.043	2.290
	AS3569-437	5.938	6.012	150.83	152.70	.269	.281	6.83	7.14	5.151	2.339
	AS3569-438	6.185	6.265	157.10	159.13	.269	.281	6.83	7.14	5.367	2.436
	AS3569-439	6.435	6.515	163.45	165.48	.269	.281	6.83	7.14	5.582	2.534
	AS3569-440	6.685	6.765	169.80	171.83	.269	.281	6.83	7.14	5.798	2.632
	AS3569-441	6.935	7.015	176.15	178.18	.269	.281	6.83	7.14	6.013	2.730
	AS3569-442	7.180	7.270	182.37	184.66	.269	.281	6.83	7.14	6.229	2.828
	AS3569-443	7.430	7.520	188.72	191.01	.269	.281	6.83	7.14	6.444	2.926
	AS3569-444	7.680	7.770	195.07	197.36	.269	.281	6.83	7.14	6.660	3.024
	AS3569-445	7.930	8.020	201.42	203.71	.269	.281	6.83	7.14	6.875	3.121
	AS3569-446	8.420	8.530	213.87	216.66	.269	.281	6.83	7.14	7.306	3.317
	AS3569-447	8.920	9.030	226.57	229.36	.269	.281	6.83	7.14	7.737	3.513
	AS3569-448	9.420	9.530	239.27	242.06	.269	.281	6.83	7.14	8.168	3.708
	AS3569-449	9.920	10.030	251.97	254.76	.269	.281	6.83	7.14	8.599	3.904
	AS3569-450	10.415	10.535	264.54	267.59	.269	.281	6.83	7.14	9.030	4.100
	AS3569-451	10.915	11.035	277.24	280.29	.269	.281	6.83	7.14	9.461	4.296
	AS3569-452	11.415	11.535	289.94	292.99	.269	.281	6.83	7.14	9.892	4.491
	AS3569-453	11.915	12.035	302.64	305.69	.269	.281	6.83	7.14	10.324	4.687
	AS3569-454	12.415	12.535	315.34	318.39	.269	.281	6.83	7.14	10.755	4.883
	AS3569-455	12.915	13.035	328.04	331.09	.269	.281	6.83	7.14	11.186	5.078
	AS3569-456	13.405	13.545	340.49	344.04	.269	.281	6.83	7.14	11.617	5.274
	AS3569-457	13.905	14.045	353.19	356.74	.269	.281	6.83	7.14	12.048	5.470
	AS3569-458	14.405	14.545	365.89	369.44	.269	.281	6.83	7.14	12.479	5.665
	AS3569-459	14.905	15.045	378.59	382.14	.269	.281	6.83	7.14	12.910	5.861
	AS3569-460	15.405	15.545	391.29	394.84	.269	.281	6.83	7.14	13.341	6.057
(B) ↓	AS3569-461	15.880	16.030	403.35	407.16	.269	.281	6.83	7.14	13.755	6.245
	AS3569-462	16.380	16.530	416.05	419.86	.269	.281	6.83	7.14	14.186	6.440
	AS3569-463	16.875	17.035	428.63	432.69	.269	.281	6.83	7.14	14.617	6.636
	AS3569-464	17.370	17.540	441.20	445.52	.269	.281	6.83	7.14	15.048	6.832
	AS3569-465	17.870	18.040	453.90	458.22	.269	.281	6.83	7.14	15.479	7.028

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

NOTE	PART NUMBER	ØD (IN)		ØD (MM)		ØW (IN)		ØW (MM)		APPROX MASS	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	(LB/100)	(KG/100)
(B)	AS3569-466	18.370	18.540	466.60	470.92	.269	.281	6.83	7.14	15.910	7.223
	AS3569-467	18.865	19.045	479.17	483.74	.269	.281	6.83	7.14	16.341	7.419
	AS3569-468	19.365	19.545	491.87	496.44	.269	.281	6.83	7.14	16.772	7.615
	AS3569-469	19.860	20.050	504.44	509.27	.269	.281	6.83	7.14	17.203	7.810
	AS3569-470	20.860	21.050	529.84	534.67	.269	.281	6.83	7.14	18.065	8.202
	AS3569-471	21.855	22.055	555.12	560.20	.269	.281	6.83	7.14	18.927	8.593
	AS3569-472	22.835	23.045	580.01	585.34	.269	.281	6.83	7.14	19.776	8.979
	AS3569-473	23.830	24.050	605.28	610.87	.269	.281	6.83	7.14	20.638	9.370
	AS3569-474	24.825	25.055	630.56	636.40	.269	.281	6.83	7.14	21.500	9.761
	AS3569-475	25.820	26.060	655.83	661.92	.269	.281	6.83	7.14	22.363	10.153

NOTES:

(A) THE FOLLOWING O-RING SIZES ARE INTENDED TO ONLY BE USED AS STATIC SEALS AND ARE NOT TO BE USED IN APPLICATIONS WITH RECIPROCATING OR ROTARY INVOLVEMENT:

- -013 THROUGH -028
- -117 THROUGH -149
- -223 THROUGH -247

THIS IS DUE TO THE POSSIBILITY OF SPIRAL FAILURE OCCURRING IN THESE SMALLER CROSS-SECTION-LARGER DIAMETER O-RING SIZES.

(B) THE FOLLOWING O-RING SIZES ARE ONLY INTENDED FOR NON-STANDARD APPLICATIONS AS STATIC SEALS:

- -029 THROUGH -050
- -150 THROUGH -178
- -248 THROUGH -284
- -350 THROUGH -395
- -461 THROUGH -475

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	<b>AEROSPACE STANDARD</b>	<b>AS3569™</b> SHEET 10 OF 13	<b>REV.</b> <b>A</b>
	(R) O-RING MOLDED FROM AMS7270 BUTADIENE-ACRYLONITRILE (NBR) RUBBER MATERIAL		