AEROSPACE RECOMMENDED PRACTICE

ARP1232™	REV. C

Issued 1973-04
Reaffirmed 2012-10
Revised 2020-11

Superseding ARP1232B

Gland Design Criteria and Dimensions for Static Radial O-Ring Seal Applications Without Anti-Extrusion Devices Specifically for Engine and Engine Control Systems

RATIONALE

The Standard has been reformatted for ease of use, with no technical changes.

NOTE: This standard was transferred from the E-25 General Standards for Aerospace and Propulsion Systems Committee to the A-6C Seals Committee.

1. SCOPE

This document recommends standard gland dimensions for static radial O-ring seal applications specifically for engine and engine control systems and provides recommendations for modifying these glands in special applications.

NOTE: No provisions are made in this document for anti-extrusion devices.

1.1 Purpose

The purpose of this document is to provide the aerospace industry with standardized dimensional criteria for static radial elastomeric O-ring seal glands specifically for engines and engine control systems. It supplements ARP1231 and ARP1233.

2. APPLICABLE DOCUMENTS

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 +1 724-776-4970 (outside USA), www.sae.org.

ARP1231 Gland Design, Elastomeric O-Ring Seals, General Considerations

ARP1233 Gland Design, Elastomeric O-Ring Seals, Dynamic Radial, 1500 psi Max

AS568 Aerospace Size Standard for O-Rings

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For more information on this standard, visit
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2.2 ANSI Accredited Publications

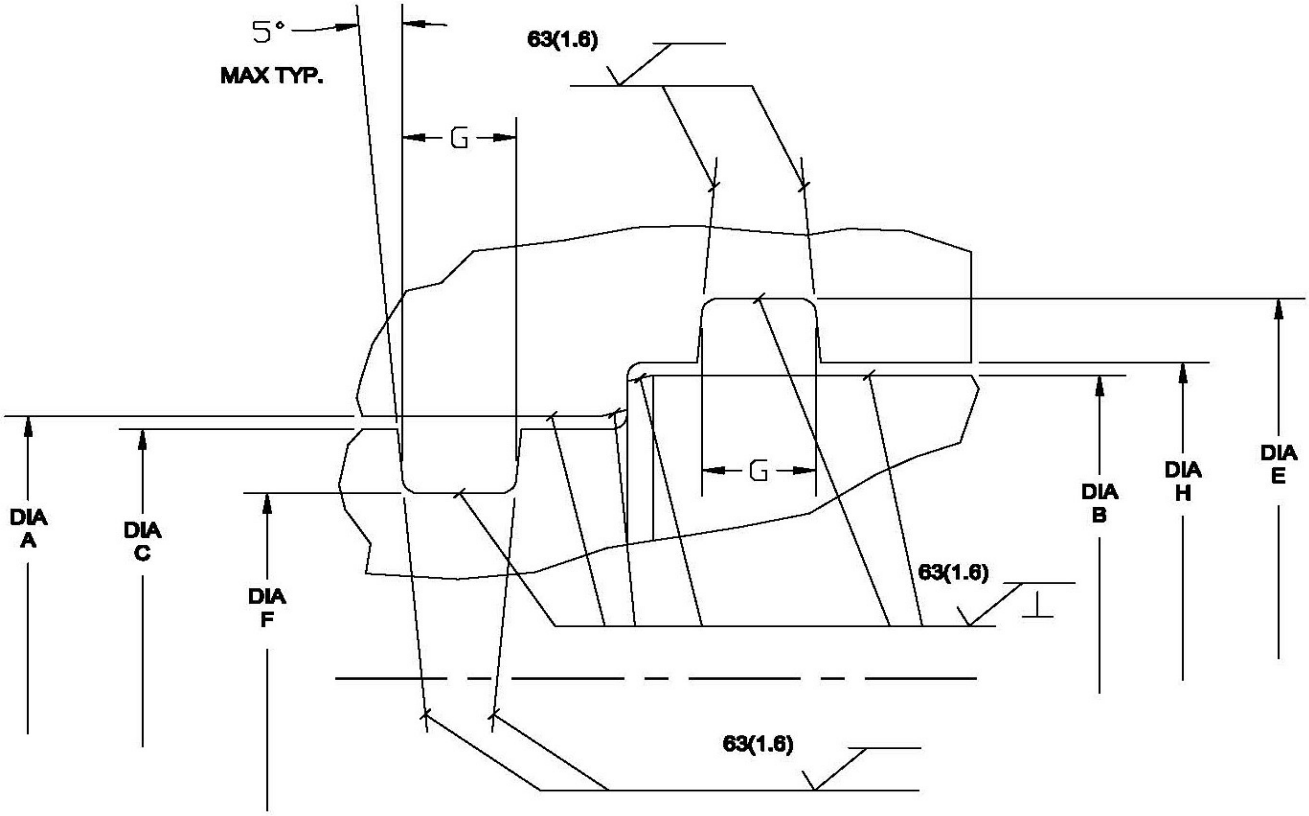
Copies of these documents are available online at http://webstore.ansi.org/.

ANSI B46.1 Surface Texture

3. GENERAL REQUIREMENTS

3.1 Standard Glands

Figure 1 depicts piston and rod radial O-ring seal glands. Standard dimensions for these glands are tabulated in Tables 1A and 1B. These dimensions are designed for use with seals conforming to AS568 tolerances. They are computed in accordance with the criteria defined in Section 4 of this document and in ARP1231.



NOTE
SURFACE TEXTURE: ANSI B46.1. INDICATED SURFACES SHALL BE FREE OF ANY FLAWS EXCEEDING THE ALLOWED SURFACE ROUGHNESS VALUES

GEOMETRIC TOLERANCES, EDGE BREAKS, CORNER RADII, AND LEAD IN RAMP DIMENSIONS: SEE ARP 1231

DIMENSIONS IN MICROINCHES AND (MICROMETERS)

Figure 1 - Typical O-ring seal glands

NOTE: The standard gland dimensions for the glands in the shaded rows in the Tables have been provided for reference purposes only. Since the sizes are so small, a gland cannot be designed which will meet all the stated criteria. The dimensions as given in this table will result in maximum seal stretch and minimum seal squeeze and minimum gland volume which may differ significantly from the desirable values.

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Table 1A - Standard gland dimensions in inches

Gland and AS568 Dash No.	ØC Min Max	ØA Min Max		ØF Min Max	ØB Min Max	ØH Min Max	ØE Min Max	G Min Max
001	0.080	0.082		0.034	0.034	0.036	0.083	0.101
	0.081	0.084		0.035	0.035	0.038	0.084	0.111
002	0.113	0.115		0.047	0.047	0.049	0.115	0.101
	0.114	0.117		0.048	0.048	0.051	0.117	0.111
003	0.146	0.148		0.061	0.061	0.063	0.149	0.106
	0.147	0.150		0.062	0.062	0.065	0.150	0.116
004	0.179	0.181		0.076	0.076	0.078	0.182	0.114
	0.180	0.183		0.077	0.077	0.080	0.183	0.124
005	0.213	0.215		0.108	0.108	0.110	0.216	0.114
	0.214	0.217		0.109	0.109	0.112	0.217	0.124
006	0.227	0.229		0.121	0.121	0.123	0.230	0.110
	0.228	0.231		0.122	0.122	0.125	0.231	0.120
007	0.260	0.262		0.153	0.153	0.155	0.263	0.110
	0.261	0.264		0.154	0.154	0.157	0.264	0.120
008	0.293	0.295		0.185	0.185	0.187	0.296	0.105
	0.294	0.297		0.186	0.186	0.189	0.297	0.115
009	0.324	0.326		0.217	0.217	0.219	0.327	0.105
	0.325	0.328		0.218	0.218	0.221	0.328	0.115
010	0.357	0.359		0.249	0.249	0.251	0.360	0.105
	0.358	0.361		0.250	0.250	0.253	0.361	0.115
011	0.419	0.421		0.312	0.312	0.314	0.422	0.105
	0.420	0.423		0.313	0.313	0.316	0.423	0.115
012	0.484	0.486		0.376	0.376	0.378	0.487	0.105
	0.485	0.488		0.377	0.377	0.380	0.488	0.115
013	0.548	0.550		0.440	0.440	0.442	0.551	0.105
	0.549	0.552		0.441	0.441	0.444	0.552	0.115
014	0.612	0.614		0.504	0.504	0.506	0.615	0.105
	0.613	0.616		0.505	0.505	0.508	0.616	0.115
015	0.677	0.680		0.569	0.569	0.572	0.679	0.105
	0.679	0.682		0.572	0.571	0.574	0.682	0.115
016	0.743	0.746		0.635	0.635	0.638	0.745	0.105
	0.745	0.748		0.638	0.637	0.640	0.748	0.115
017	0.807	0.810		0.699	0.699	0.702	0.809	0.105
	0.809	0.812		0.702	0.701	0.704	0.812	0.115
018	0.871	0.874		0.763	0.763	0.766	0.873	0.105
	0.873	0.876		0.766	0.765	0.768	0.876	0.115
019	0.934	0.937		0.826	0.826	0.829	0.935	0.105
	0.936	0.939		0.829	0.828	0.831	0.938	0.115
020	0.997	1.000		0.890	0.890	0.893	0.999	0.105
	0.999	1.002		0.893	0.892	0.895	1.002	0.115

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Table 1A - Standard gland dimensions in inches (continued)

Gland and AS568 Dash No.	ØC Min Max	ØA Min Max	ØF Min Max	ØB Min Max	ØH Min Max	ØE Min Max	G Min Max
021	1.061	1.064	0.954	0.954	0.957	1.063	0.105
	1.063	1.066	0.957	0.956	0.959	1.066	0.115
022	1.126	1.129	1.019	1.019	1.022	1.128	0.105
	1.128	1.131	1.022	1.021	1.024	1.131	0.115
023	1.189	1.192	1.082	1.082	1.085	1.191	0.105
	1.191	1.194	1.085	1.084	1.087	1.194	0.115
024	1.254	1.257	1.146	1.146	1.149	1.256	0.105
	1.256	1.259	1.149	1.148	1.151	1.259	0.115
025	1.318	1.321	1.211	1.211	1.214	1.320	0.105
	1.320	1.323	1.214	1.213	1.216	1.323	0.115
026	1.383	1.386	1.275	1.275	1.278	1.385	0.105
	1.385	1.388	1.278	1.277	1.280	1.388	0.115
027	1.446	1.449	1.338	1.338	1.341	1.448	0.105
	1.448	1.451	1.341	1.340	1.343	1.451	0.115
028	1.512	1.515	1.405	1.405	1.408	1.514	0.105
	1.514	1.517	1.408	1.407	1.410	1.517	0.115
029	1.640	1.643	1.532	1.532	1.535	1.542	0.105
	1.642	1.645	1.535	1.534	1.537	1.545	0.115
030	1.768	1.771	1.660	1.660	1.663	1.770	0.105
	1.770	1.773	1.663	1.662	1.665	1.773	0.115
031	1.897	1.900	1.789	1.789	1.792	1.899	0.105
	1.899	1.902	1.792	1.791	1.794	1.902	0.115
032	2.025	2.028	1.917	1.917	1.920	2.027	0.105
	2.027	2.030	1.920	1.919	1.922	2.030	0.115
033	2.155	2.158	2.047	---	---	---	0.105
	2.157	2.160	2.050	---	---	---	0.115
034	2.283	2.286	2.175	---	---	---	0.105
	2.285	2.288	2.178	---	---	---	0.115
035	2.410	2.413	2.302	---	---	---	0.105
	2.412	2.415	2.305	---	---	---	0.115
036	2.538	2.541	2.430	---	---	---	0.105
	2.540	2.543	2.433	---	---	---	0.115
037	2.665	2.668	2.557	---	---	---	0.105
	2.667	2.670	2.560	---	---	---	0.115
038	2.795	2.798	2.687	---	---	---	0.105
	2.797	2.800	2.690	---	---	---	0.115
039	2.922	2.925	2.814	---	---	---	0.105
	2.924	2.927	2.817	---	---	---	0.115
040	3.050	3.053	2.942	---	---	---	0.105
	3.052	3.055	2.945	---	---	---	0.115

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Table 1A - Standard gland dimensions in inches (continued)

Gland and AS568 Dash No.	ØC Min Max	ØA Min Max	ØF Min Max	ØB Min Max	ØH Min Max	ØE Min Max	G Min Max
041	3.181	3.184	3.073	---	---	---	0.105
	3.183	3.186	3.076	---	---	---	0.115
042	3.436	3.439	3.328	---	---	---	0.105
	3.438	3.441	3.331	---	---	---	0.115
043	3.691	3.694	3.583	---	---	---	0.105
	3.693	3.696	3.586	---	---	---	0.115
044	3.949	3.952	3.841	---	---	---	0.105
	3.951	3.954	3.844	---	---	---	0.115
045	4.204	4.207	4.096	---	---	---	0.105
	4.206	4.209	4.099	---	---	---	0.115
046	4.462	4.465	4.354	---	---	---	0.105
	4.464	4.467	4.357	---	---	---	0.115
047	4.717	4.720	4.609	---	---	---	0.105
	4.719	4.722	4.612	---	---	---	0.115
048	4.972	4.975	4.864	---	---	---	0.105
	4.974	4.977	4.867	---	---	---	0.115
049	5.235	5.238	5.127	---	---	---	0.105
	5.237	5.240	5.130	---	---	---	0.115
050	5.490	5.493	5.382	---	---	---	0.105
	5.492	5.495	5.385	---	---	---	0.115
102	0.210	0.213	0.055	0.055	0.058	0.212	0.182
	0.212	0.216	0.059	0.057	0.061	0.216	0.192
103	0.248	0.251	0.088	0.088	0.091	0.250	0.165
	0.250	0.254	0.092	0.090	0.094	0.254	0.175
104	0.282	0.285	0.119	0.119	0.122	0.284	0.158
	0.284	0.288	0.123	0.121	0.125	0.288	0.168
105	0.315	0.318	0.151	0.151	0.154	0.317	0.158
	0.317	0.321	0.155	0.153	0.157	0.321	0.168
106	0.347	0.350	0.183	0.183	0.186	0.349	0.153
	0.349	0.353	0.187	0.185	0.189	0.353	0.163
107	0.379	0.382	0.215	0.215	0.218	0.381	0.153
	0.381	0.385	0.219	0.217	0.221	0.385	0.163
108	0.412	0.415	0.247	0.247	0.250	0.414	0.153
	0.414	0.418	0.251	0.249	0.253	0.418	0.163
109	0.475	0.478	0.310	0.310	0.313	0.477	0.146
	0.477	0.481	0.314	0.312	0.316	0.481	0.156
110	0.538	0.541	0.374	0.374	0.377	0.540	0.146
	0.540	0.544	0.378	0.376	0.380	0.544	0.156
111	0.603	0.606	0.438	0.438	0.441	0.605	0.146
	0.605	0.609	0.442	0.440	0.444	0.609	0.156
112	0.666	0.669	0.502	0.502	0.505	0.668	0.146
	0.668	0.672	0.506	0.504	0.508	0.672	0.156

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Table 1A - Standard gland dimensions in inches (continued)

Gland and AS568 Dash No.	ØC Min Max	ØA Min Max	ØF Min Max	ØB Min Max	ØH Min Max	ØE Min Max	G Min Max
113	0.731	0.734	0.567	0.567	0.570	0.733	0.146
	0.733	0.737	0.571	0.569	0.573	0.737	0.156
114	0.797	0.800	0.633	0.633	0.636	0.799	0.146
	0.799	0.803	0.637	0.635	0.639	0.803	0.156
115	0.861	0.864	0.697	0.697	0.700	0.863	0.146
	0.863	0.867	0.701	0.699	0.703	0.867	0.156
116	0.926	0.929	0.761	0.761	0.764	0.928	0.146
	0.928	0.932	0.765	0.763	0.767	0.932	0.156
117	0.990	0.993	0.825	0.825	0.828	0.992	0.146
	0.992	0.996	0.829	0.827	0.831	0.996	0.156
118	1.053	1.056	0.889	0.889	0.892	1.055	0.146
	1.055	1.059	0.893	0.891	0.895	1.059	0.156
119	1.117	1.120	0.953	0.953	0.956	1.119	0.146
	1.119	1.123	0.957	0.955	0.959	1.123	0.156
120	1.181	1.184	1.017	1.017	1.020	1.183	0.146
	1.183	1.187	1.021	1.019	1.023	1.187	0.156
121	1.244	1.247	1.080	1.080	1.083	1.246	0.146
	1.246	1.250	1.084	1.082	1.086	1.250	0.156
122	1.308	1.311	1.144	1.144	1.147	1.310	0.146
	1.310	1.314	1.148	1.146	1.150	1.314	0.156
123	1.374	1.377	1.210	1.210	1.213	1.376	0.146
	1.376	1.380	1.214	1.212	1.216	1.380	0.156
124	1.438	1.441	1.274	1.274	1.277	1.440	0.146
	1.440	1.444	1.278	1.276	1.280	1.444	0.156
125	1.501	1.504	1.337	1.337	1.340	1.503	0.146
	1.503	1.507	1.341	1.339	1.343	1.507	0.156
126	1.565	1.568	1.401	1.401	1.404	1.567	0.146
	1.567	1.571	1.405	1.403	1.407	1.571	0.156
127	1.630	1.633	1.465	1.465	1.468	1.632	0.146
	1.632	1.636	1.469	1.467	1.471	1.636	0.156
128	1.693	1.696	1.529	1.529	1.532	1.695	0.146
	1.695	1.699	1.533	1.531	1.535	1.699	0.156
129	1.759	1.762	1.595	1.595	1.598	1.761	0.146
	1.761	1.765	1.599	1.597	1.601	1.765	0.156
130	1.824	1.827	1.660	1.660	1.663	1.826	0.146
	1.826	1.830	1.664	1.662	1.666	1.830	0.156
131	1.887	1.890	1.723	1.723	1.726	1.889	0.146
	1.889	1.893	1.727	1.725	1.729	1.893	0.156
132	1.951	1.954	1.787	1.787	1.790	1.953	0.146
	1.953	1.957	1.791	1.789	1.793	1.957	0.156

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Table 1A - Standard gland dimensions in inches (continued)

Gland and AS568 Dash No.	ØC Min Max	ØA Min Max	ØF Min Max	ØB Min Max	ØH Min Max	ØE Min Max	G Min Max
133	2.015	2.018	1.850	1.850	1.853	2.017	0.146
	2.017	2.021	1.854	1.852	1.856	2.021	0.156
134	2.080	2.083	1.915	1.915	1.918	2.082	0.146
	2.082	2.086	1.919	1.917	1.921	2.086	0.156
135	2.145	2.148	1.981	1.981	1.984	2.147	0.146
	2.147	2.151	1.985	1.983	1.987	2.151	0.156
136	2.208	2.211	2.044	2.044	2.047	2.210	0.146
	2.210	2.214	2.048	2.046	2.050	2.214	0.156
137	2.273	2.276	2.108	2.108	2.111	2.275	0.146
	2.275	2.279	2.112	2.110	2.114	2.279	0.156
138	2.337	2.340	2.172	2.172	2.175	2.339	0.146
	2.339	2.343	2.176	2.174	2.178	2.343	0.156
139	2.400	2.403	2.236	2.236	2.239	2.402	0.146
	2.402	2.406	2.240	2.238	2.242	2.406	0.156
140	2.463	2.466	2.299	2.299	2.302	2.465	0.146
	2.465	2.469	2.303	2.301	2.305	2.469	0.156
141	2.530	2.533	2.366	2.366	2.369	2.532	0.146
	2.532	2.536	2.370	2.368	2.372	2.536	0.156
142	2.594	2.597	2.430	2.430	2.433	2.596	0.146
	2.596	2.600	2.434	2.432	2.436	2.600	0.156
143	2.659	2.662	2.494	2.494	2.497	2.661	0.146
	2.661	2.665	2.498	2.496	2.500	2.665	0.156
144	2.721	2.724	2.557	2.557	2.560	2.723	0.146
	2.723	2.727	2.561	2.559	2.563	2.727	0.156
145	2.785	2.788	2.621	2.621	2.624	2.787	0.146
	2.787	2.791	2.625	2.623	2.627	2.791	0.156
146	2.849	2.852	2.685	2.685	2.688	2.851	0.146
	2.851	2.855	2.689	2.687	2.691	2.855	0.156
147	2.916	2.919	2.751	2.751	2.754	2.918	0.146
	2.918	2.922	2.755	2.753	2.757	2.922	0.156
148	2.978	2.981	2.814	2.814	2.817	2.980	0.146
	2.980	2.984	2.818	2.816	2.820	2.984	0.156
149	3.042	3.045	2.878	2.878	2.881	3.044	0.146
	3.044	3.048	2.882	2.880	2.884	3.048	0.156
150	3.106	3.109	2.942	2.942	2.965	3.108	0.146
	3.108	3.112	2.946	2.944	2.968	3.112	0.156
151	3.235	3.238	3.071	3.071	3.074	3.237	0.146
	3.237	3.241	3.075	3.073	3.077	3.241	0.156
152	3.490	3.493	3.326	---	---	---	0.146
	3.492	3.496	3.330	---	---	---	0.156

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Table 1A - Standard gland dimensions in inches (continued)

Gland and AS568 Dash No.	ØC Min Max	ØA Min Max	ØF Min Max	ØB Min Max	ØH Min Max	ØE Min Max	G Min Max
153	3.745	3.748	3.581	---	---	---	0.146
	3.747	3.751	3.585	---	---	---	0.156
154	4.004	4.007	3.840	---	---	---	0.146
	4.006	4.010	3.844	---	---	---	0.156
155	4.259	4.262	4.095	---	---	---	0.146
	4.261	4.265	4.099	---	---	---	0.156
156	4.516	4.519	4.352	---	---	---	0.146
	4.518	4.522	4.356	---	---	---	0.156
157	4.771	4.774	4.607	---	---	---	0.146
	4.773	4.777	4.611	---	---	---	0.156
158	5.026	5.029	4.862	---	---	---	0.146
	5.028	5.032	4.866	---	---	---	0.156
159	5.286	5.289	5.122	---	---	---	0.146
	5.288	5.292	5.126	---	---	---	0.156
160	5.541	5.544	5.377	---	---	---	0.146
	5.543	5.547	5.381	---	---	---	0.156
161	5.796	5.799	5.632	---	---	---	0.146
	5.798	5.802	5.636	---	---	---	0.156
162	6.051	6.054	5.887	---	---	---	0.146
	6.053	6.057	5.891	---	---	---	0.156
163	6.306	6.309	6.142	---	---	---	0.146
	6.308	6.312	6.146	---	---	---	0.156
164	6.567	6.570	6.403	---	---	---	0.146
	6.569	6.573	6.407	---	---	---	0.156
165	6.822	6.825	6.658	---	---	---	0.146
	6.824	6.828	6.662	---	---	---	0.156
166	7.077	7.080	6.913	---	---	---	0.146
	7.079	7.083	6.917	---	---	---	0.156
167	7.332	7.335	7.168	---	---	---	0.146
	7.334	7.338	7.172	---	---	---	0.156
168	7.592	7.595	7.428	---	---	---	0.146
	7.594	7.598	7.432	---	---	---	0.156
169	7.847	7.850	7.683	---	---	---	0.146
	7.849	7.853	7.687	---	---	---	0.156
170	8.102	8.105	7.938	---	---	---	0.146
	8.104	8.108	7.942	---	---	---	0.156
171	8.357	8.360	8.193	---	---	---	0.146
	8.359	8.363	8.197	---	---	---	0.156
172	8.617	8.620	8.453	---	---	---	0.146
	8.619	8.623	8.457	---	---	---	0.156

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Table 1A - Standard gland dimensions in inches (continued)

Gland and AS568 Dash No.	ØC Min Max	ØA Min Max	ØF Min Max	ØB Min Max	ØH Min Max	ØE Min Max	G Min Max
173	8.872	8.875	8.708	---	---	---	0.146
	8.874	8.878	8.712	---	---	---	0.156
174	9.127	9.130	8.963	---	---	---	0.146
	9.129	9.133	8.967	---	---	---	0.156
175	9.382	9.385	9.218	---	---	---	0.146
	9.384	9.388	9.222	---	---	---	0.156
176	9.642	9.645	9.478	---	---	---	0.146
	9.644	9.648	9.482	---	---	---	0.156
177	9.897	9.900	9.733	---	---	---	0.146
	9.899	9.903	9.737	---	---	---	0.156
178	10.152	10.155	9.988	---	---	---	0.146
	10.154	10.158	9.992	---	---	---	0.156
201	0.403	0.408	0.180	0.180	0.185	0.405	0.205
	0.406	0.411	0.186	0.183	0.189	0.411	0.215
202	0.467	0.472	0.244	0.244	0.249	0.469	0.205
	0.470	0.475	0.250	0.247	0.252	0.475	0.215
203	0.529	0.534	0.307	0.307	0.312	0.531	0.205
	0.532	0.537	0.313	0.310	0.315	0.537	0.215
204	0.594	0.599	0.371	0.371	0.376	0.596	0.195
	0.597	0.602	0.377	0.374	0.379	0.602	0.205
205	0.658	0.663	0.435	0.435	0.440	0.660	0.195
	0.661	0.666	0.441	0.438	0.443	0.666	0.205
206	0.721	0.726	0.499	0.499	0.504	0.723	0.195
	0.724	0.729	0.505	0.502	0.507	0.729	0.205
207	0.787	0.792	0.564	0.564	0.569	0.789	0.195
	0.790	0.795	0.570	0.567	0.572	0.795	0.205
208	0.853	0.858	0.630	0.630	0.635	0.855	0.195
	0.856	0.861	0.636	0.633	0.638	0.861	0.205
209	0.916	0.921	0.694	0.694	0.699	0.918	0.195
	0.919	0.924	0.700	0.697	0.702	0.924	0.205
210	0.981	0.986	0.759	0.759	0.764	0.983	0.195
	0.984	0.989	0.765	0.762	0.767	0.989	0.205
211	1.045	1.050	0.822	0.822	0.827	1.047	0.195
	1.048	1.053	0.828	0.825	0.830	1.053	0.205
212	1.109	1.114	0.886	0.886	0.891	1.111	0.195
	1.112	1.117	0.892	0.889	0.894	1.117	0.205
213	1.172	1.177	0.950	0.950	0.955	1.174	0.195
	1.175	1.180	0.956	0.953	0.958	1.180	0.205
214	1.237	1.242	1.014	1.014	1.019	1.239	0.195
	1.240	1.245	1.020	1.017	1.022	1.245	0.205
215	1.300	1.305	1.077	1.077	1.082	1.302	0.195
	1.303	1.308	1.083	1.080	1.085	1.308	0.205

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Table 1A - Standard gland dimensions in inches (continued)

Gland and AS568 Dash No.	ØC Min Max	ØA Min Max	ØF Min Max	ØB Min Max	ØH Min Max	ØE Min Max	G Min Max
216	1.365	1.370	1.143	1.143	1.148	1.367	0.195
	1.368	1.373	1.149	1.146	1.151	1.373	0.205
217	1.430	1.435	1.207	1.207	1.212	1.432	0.195
	1.433	1.438	1.213	1.210	1.215	1.438	0.205
218	1.494	1.499	1.271	1.271	1.276	1.496	0.195
	1.497	1.502	1.277	1.274	1.279	1.502	0.205
219	1.557	1.562	1.334	1.334	1.339	1.559	0.195
	1.560	1.565	1.340	1.337	1.342	1.565	0.205
220	1.621	1.626	1.398	1.398	1.403	1.623	0.195
	1.624	1.629	1.404	1.401	1.406	1.629	0.205
221	1.685	1.690	1.462	1.462	1.467	1.687	0.195
	1.688	1.693	1.468	1.465	1.470	1.693	0.205
222	1.752	1.757	1.529	1.529	1.534	1.754	0.195
	1.755	1.760	1.535	1.532	1.537	1.760	0.205
223	1.879	1.884	1.656	1.656	1.661	1.881	0.195
	1.882	1.887	1.662	1.659	1.664	1.887	0.205
224	2.007	2.012	1.784	1.784	1.789	2.009	0.195
	2.010	2.015	1.790	1.787	1.792	2.015	0.205
225	2.138	2.143	1.915	1.915	1.920	2.140	0.195
	2.141	2.146	1.921	1.918	1.923	2.146	0.205
226	2.265	2.270	2.042	2.042	2.047	2.267	0.195
	2.268	2.273	2.048	2.045	2.050	2.273	0.205
227	2.393	2.398	2.170	2.170	2.175	2.395	0.195
	2.396	2.401	2.176	2.173	2.178	2.401	0.205
228	2.522	2.527	2.299	2.299	2.304	2.524	0.195
	2.525	2.530	2.305	2.302	2.307	2.530	0.205
229	2.650	2.655	2.427	2.427	2.432	2.652	0.195
	2.653	2.658	2.433	2.430	2.435	2.658	0.205
230	2.776	2.781	2.554	2.554	2.559	2.778	0.195
	2.779	2.784	2.560	2.557	2.562	2.784	0.205
231	2.904	2.909	2.682	2.682	2.687	2.906	0.195
	2.907	2.912	2.688	2.685	2.690	2.912	0.205
232	3.036	3.041	2.813	2.813	2.818	3.038	0.195
	3.039	3.044	2.819	2.816	2.821	3.044	0.205
233	3.164	3.169	2.941	2.941	2.946	3.166	0.195
	3.167	3.172	2.947	2.944	2.949	3.172	0.205
234	3.290	3.295	3.068	3.068	3.073	3.292	0.195
	3.293	3.298	3.074	3.071	3.076	3.298	0.205
235	3.418	3.423	3.196	3.196	3.201	3.420	0.195
	3.421	3.426	3.202	3.199	3.204	3.426	0.205
236	3.546	3.551	3.323	3.323	3.328	3.548	0.195
	3.549	3.554	3.329	3.326	3.331	3.554	0.205

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Table 1A - Standard gland dimensions in inches (continued)

Gland and AS568 Dash No.	ØC Min Max	ØA Min Max	ØF Min Max	ØB Min Max	ØH Min Max	ØE Min Max	G Min Max
237	3.674	3.679	3.451	3.451	3.456	3.676	0.195
	3.677	3.682	3.457	3.454	3.459	3.682	0.205
238	3.801	3.806	3.578	3.578	3.583	3.803	0.195
	3.804	3.809	3.584	3.581	3.586	3.809	0.205
239	3.932	3.937	3.710	3.710	3.715	3.934	0.195
	3.935	3.940	3.716	3.713	3.718	3.940	0.205
240	4.060	4.065	3.837	3.837	3.842	4.062	0.195
	4.063	4.068	3.843	3.840	3.845	4.068	0.205
241	4.188	4.193	3.965	3.965	3.970	4.190	0.195
	4.191	4.196	3.971	3.968	3.973	4.196	0.205
242	4.315	4.320	4.092	4.092	4.097	4.317	0.195
	4.318	4.323	4.098	4.095	4.100	4.323	0.205
243	4.443	4.448	4.220	4.220	4.225	4.445	0.195
	4.446	4.451	4.226	4.223	4.228	4.451	0.205
244	4.572	4.577	4.349	4.349	4.354	4.574	0.195
	4.575	4.580	4.355	4.352	4.357	4.580	0.205
245	4.700	4.705	4.477	---	---	---	0.195
	4.703	4.708	4.483	---	---	---	0.205
246	4.827	4.832	4.604	---	---	---	0.195
	4.830	4.835	4.610	---	---	---	0.205
247	4.955	4.960	4.732	---	---	---	0.195
	4.958	4.963	4.738	---	---	---	0.205
248	5.082	5.087	4.859	---	---	---	0.195
	5.085	5.090	4.865	---	---	---	0.205
249	5.215	5.220	4.992	---	---	---	0.195
	5.218	5.223	4.998	---	---	---	0.205
250	5.342	5.347	5.119	---	---	---	0.195
	5.345	5.350	5.125	---	---	---	0.205
251	5.470	5.475	5.247	---	---	---	0.195
	5.473	5.478	5.253	---	---	---	0.205
252	5.597	5.602	5.374	---	---	---	0.195
	5.600	5.605	5.380	---	---	---	0.205
253	5.725	5.730	5.502	---	---	---	0.195
	5.728	5.733	5.508	---	---	---	0.205
254	5.852	5.857	5.629	---	---	---	0.195
	5.855	5.860	5.635	---	---	---	0.205
255	5.980	5.985	5.757	---	---	---	0.195
	5.983	5.988	5.763	---	---	---	0.205
256	6.107	6.112	5.884	---	---	---	0.195
	6.110	6.115	5.890	---	---	---	0.205
257	6.235	6.240	6.012	---	---	---	0.195
	6.238	6.243	6.018	---	---	---	0.205

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Table 1A - Standard gland dimensions in inches (continued)

Gland and AS568 Dash No.	ØC Min Max	ØA Min Max	ØF Min Max	ØB Min Max	ØH Min Max	ØE Min Max	G Min Max
258	6.362	6.367	6.139	---	---	---	0.195
	6.365	6.370	6.145	---	---	---	0.205
259	6.622	6.627	6.399	---	---	---	0.195
	6.625	6.630	6.405	---	---	---	0.205
260	6.877	6.882	6.654	---	---	---	0.195
	6.880	6.885	6.660	---	---	---	0.205
261	7.132	7.137	6.909	---	---	---	0.195
	7.135	7.140	6.915	---	---	---	0.205
262	7.387	7.392	7.164	---	---	---	0.195
	7.390	7.395	7.170	---	---	---	0.205
263	7.648	7.653	7.425	---	---	---	0.195
	7.651	7.656	7.431	---	---	---	0.205
264	7.903	7.908	7.680	---	---	---	0.195
	7.906	7.911	7.686	---	---	---	0.205
265	8.158	8.163	7.935	---	---	---	0.195
	8.161	8.166	7.941	---	---	---	0.205
266	8.413	8.418	8.190	---	---	---	0.195
	8.416	8.421	8.196	---	---	---	0.205
267	8.673	8.678	8.450	---	---	---	0.195
	8.676	8.681	8.456	---	---	---	0.205
268	8.928	8.933	8.705	---	---	---	0.195
	8.931	8.936	8.711	---	---	---	0.205
269	9.183	9.188	8.960	---	---	---	0.195
	9.186	9.191	8.966	---	---	---	0.205
270	9.437	9.442	9.215	---	---	---	0.195
	9.440	9.445	9.221	---	---	---	0.205
271	9.698	9.703	9.475	---	---	---	0.195
	9.701	9.706	9.481	---	---	---	0.205
272	9.953	9.958	9.730	---	---	---	0.195
	9.956	9.961	9.736	---	---	---	0.205
273	10.208	10.213	9.985	---	---	---	0.195
	10.211	10.216	9.991	---	---	---	0.205
274	10.462	10.467	10.240	---	---	---	0.195
	10.465	10.470	10.246	---	---	---	0.205
275	10.972	10.977	10.750	---	---	---	0.195
	10.975	10.980	10.756	---	---	---	0.205
276	11.493	11.498	11.270	---	---	---	0.195
	11.496	11.501	11.276	---	---	---	0.205
277	12.003	12.008	11.780	---	---	---	0.195
	12.006	12.011	11.786	---	---	---	0.205

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Table 1A - Standard gland dimensions in inches (continued)

Gland and AS568 Dash No.	ØC Min Max	ØA Min Max	ØF Min Max	ØB Min Max	ØH Min Max	ØE Min Max	G Min Max
278	12.512	12.517	12.290	---	---	---	0.195
	12.515	12.520	12.296	---	---	---	0.205
279	13.532	13.537	13.310	---	---	---	0.195
	13.535	13.540	13.316	---	---	---	0.205
280	14.553	14.558	14.330	---	---	---	0.195
	14.556	14.561	14.336	---	---	---	0.205
281	15.573	15.578	15.350	---	---	---	0.195
	15.576	15.581	15.356	---	---	---	0.205
282	16.573	16.578	16.351	---	---	---	0.195
	16.576	16.581	16.357	---	---	---	0.205
283	17.598	17.603	17.376	---	---	---	0.195
	17.601	17.606	17.382	---	---	---	0.205
284	18.623	18.628	18.401	---	---	---	0.195
	18.626	18.631	18.407	---	---	---	0.205
309	0.772	0.778	0.425	0.425	0.431	0.773	0.280
	0.775	0.781	0.433	0.428	0.434	0.781	0.290
310	0.837	0.843	0.490	0.490	0.496	0.838	0.280
	0.840	0.846	0.498	0.493	0.499	0.846	0.290
311	0.902	0.908	0.555	0.555	0.561	0.903	0.280
	0.905	0.911	0.563	0.558	0.564	0.911	0.290
312	0.967	0.973	0.621	0.621	0.627	0.968	0.280
	0.970	0.976	0.629	0.624	0.630	0.976	0.290
313	1.031	1.037	0.684	0.684	0.690	1.032	0.280
	1.034	1.040	0.692	0.687	0.693	1.040	0.290
314	1.097	1.103	0.750	0.750	0.756	1.098	0.280
	1.100	1.106	0.758	0.753	0.759	1.106	0.290
315	1.159	1.165	0.813	0.813	0.819	1.160	0.280
	1.162	1.168	0.821	0.816	0.822	1.168	0.290
316	1.224	1.230	0.877	0.877	0.883	1.225	0.280
	1.227	1.233	0.885	0.880	0.886	1.233	0.290
317	1.286	1.292	0.940	0.940	0.946	1.287	0.280
	1.289	1.295	0.948	0.943	0.949	1.295	0.290
318	1.352	1.358	1.005	1.005	1.011	1.353	0.280
	1.355	1.361	1.013	1.008	1.014	1.361	0.290
319	1.415	1.421	1.068	1.068	1.074	1.416	0.280
	1.418	1.424	1.076	1.071	1.077	1.424	0.290
320	1.481	1.487	1.134	1.134	1.140	1.482	0.280
	1.484	1.490	1.142	1.137	1.143	1.490	0.290
321	1.544	1.550	1.197	1.197	1.203	1.545	0.280
	1.547	1.553	1.205	1.200	1.206	1.553	0.290

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