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AS5728™

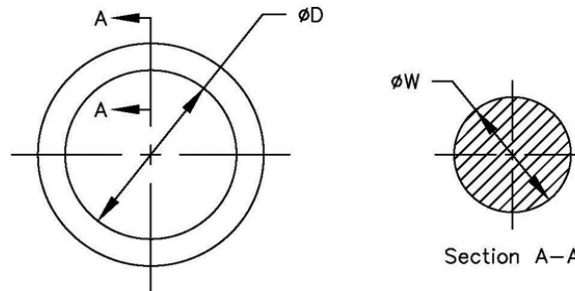
FEDERAL SUPPLY CLASS
5331

RATIONALE

THIS STANDARD HAS BEEN REVISED TO INCORPORATE MINOR TECHNICAL CHANGES.

FOREWORD

THIS STANDARD ESTABLISHES THE DIMENSIONAL AND VISUAL QUALITY REQUIREMENTS, LOT REQUIREMENTS AND PACKAGING AND LABELING REQUIREMENTS FOR O-RINGS MOLDED FROM AMS7268 RUBBER. IT SHALL BE USED FOR PROCUREMENT PURPOSES.



NOTE: DIMENSIONS AND TOLERANCING PER ASME Y14.5-2009

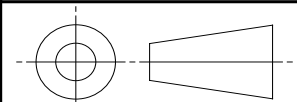
FIGURE 1 - O-RING DIMENSIONS: WIDTH (ØW) AND INSIDE DIAMETER (ØD)

TABLE 1 - PART NUMBERS AND DIMENSIONS

APP NOTE	PART NUMBER	ØD	ØD	ØW	ØW	APPROX MASS	
		(IN)	(MM)	(IN)	(MM)	(LB/100)	(KG/100)
	AS5728-001	.025 / .033	0.635 / 0.838	.037 / .043	0.940 / 1.092	.002	0.001
	AS5728-002	.038 / .046	0.965 / 1.168	.047 / .053	1.194 / 1.346	.003	0.002
	AS5728-003	.052 / .060	1.321 / 1.524	.057 / .063	1.448 / 1.600	.005	0.002
	AS5728-004	.065 / .075	1.651 / 1.905	.067 / .073	1.702 / 1.854	.009	0.004
	AS5728-005	.096 / .106	2.438 / 2.692	.067 / .073	1.702 / 1.854	.011	0.005
	AS5728-006	.109 / .119	2.769 / 3.023	.067 / .073	1.702 / 1.854	.011	0.005
	AS5728-007	.140 / .150	3.556 / 3.810	.067 / .073	1.702 / 1.854	.013	0.006
	AS5728-008	.171 / .181	4.343 / 4.597	.067 / .073	1.702 / 1.854	.015	0.006
	AS5728-009	.203 / .213	5.156 / 5.410	.067 / .073	1.702 / 1.854	.017	0.008
	AS5728-010	.234 / .244	5.944 / 6.198	.067 / .073	1.702 / 1.854	.019	0.009
	AS5728-011	.296 / .306	7.518 / 7.772	.067 / .073	1.702 / 1.854	.023	0.011
	AS5728-012	.359 / .369	9.119 / 9.373	.067 / .073	1.702 / 1.854	.027	0.012
(a)	AS5728-013	.421 / .431	10.693 / 10.947	.067 / .073	1.702 / 1.854	.031	0.014
	AS5728-014	.484 / .494	12.294 / 12.548	.067 / .073	1.702 / 1.854	.035	0.015
	AS5728-015	.544 / .558	13.818 / 14.173	.067 / .073	1.702 / 1.854	.038	0.017
	AS5728-016	.605 / .623	15.367 / 15.824	.067 / .073	1.702 / 1.854	.042	0.019
	AS5728-017	.667 / .685	16.942 / 17.399	.067 / .073	1.702 / 1.854	.046	0.021
	AS5728-018	.730 / .748	18.542 / 18.999	.067 / .073	1.702 / 1.854	.050	0.023
	AS5728-019	.792 / .810	20.117 / 20.574	.067 / .073	1.702 / 1.854	.054	0.024
	AS5728-020	.855 / .873	21.717 / 22.174	.067 / .073	1.702 / 1.854	.058	0.026

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5728B/>

THIRD ANGLE PROJECTION



CUSTODIAN: A-6/A-6C2

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

O-RING MOLDED FROM
AMS7268 (SILICONE) MATERIAL

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TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD	ØD	ØW	ØW	APPROX MASS	
		(IN)	(MM)	(IN)	(MM)	(LB/100)	(KG/100)
(a)	AS5728-021	.917 / .935	23.292 / 23.749	.067 / .073	1.702 / 1.854	.062	0.028
	AS5728-022	.979 / .999	24.867 / 25.375	.067 / .073	1.702 / 1.854	.066	0.030
	AS5728-023	1.041 / 1.061	26.441 / 26.949	.067 / .073	1.702 / 1.854	.069	0.032
	AS5728-024	1.104 / 1.124	28.042 / 28.550	.067 / .073	1.702 / 1.854	.073	0.033
	AS5728-025	1.165 / 1.187	29.591 / 30.150	.067 / .073	1.702 / 1.854	.077	0.035
	AS5728-026	1.228 / 1.250	31.191 / 31.750	.067 / .073	1.702 / 1.854	.081	0.036
	AS5728-027	1.290 / 1.312	32.766 / 33.325	.067 / .073	1.702 / 1.854	.084	0.038
	AS5728-028	1.351 / 1.377	34.315 / 34.976	.067 / .073	1.702 / 1.854	.088	0.041
(b)	AS5728-029	1.476 / 1.502	37.490 / 38.151	.067 / .073	1.702 / 1.854	.097	0.044
	AS5728-030	1.601 / 1.627	40.665 / 41.326	.067 / .073	1.702 / 1.854	.104	0.047
	AS5728-031	1.724 / 1.754	43.790 / 44.552	.067 / .073	1.702 / 1.854	.112	0.051
	AS5728-032	1.849 / 1.879	46.965 / 47.727	.067 / .073	1.702 / 1.854	.119	0.054
	AS5728-033	1.971 / 2.007	50.063 / 50.978	.067 / .073	1.702 / 1.854	.127	0.058
	AS5728-034	2.096 / 2.132	53.238 / 54.153	.067 / .073	1.702 / 1.854	.135	0.061
	AS5728-035	2.221 / 2.257	56.413 / 57.328	.067 / .073	1.702 / 1.854	.143	0.065
	AS5728-036	2.346 / 2.382	59.588 / 60.503	.067 / .073	1.702 / 1.854	.150	0.068
	AS5728-037	2.471 / 2.507	62.763 / 63.678	.067 / .073	1.702 / 1.854	.158	0.071
	AS5728-038	2.594 / 2.634	65.888 / 66.904	.067 / .073	1.702 / 1.854	.165	0.075
	AS5728-039	2.719 / 2.759	69.063 / 70.079	.067 / .073	1.702 / 1.854	.174	0.079
	AS5728-040	2.844 / 2.884	72.238 / 73.254	.067 / .073	1.702 / 1.854	.181	0.082
	AS5728-041	2.965 / 3.013	75.311 / 76.530	.067 / .073	1.702 / 1.854	.189	0.086
	AS5728-042	3.215 / 3.263	81.661 / 82.880	.067 / .073	1.702 / 1.854	.204	0.092
	AS5728-043	3.465 / 3.513	88.011 / 89.230	.067 / .073	1.702 / 1.854	.220	0.100
	AS5728-044	3.712 / 3.766	94.285 / 95.656	.067 / .073	1.702 / 1.854	.235	0.107
	AS5728-045	3.962 / 4.016	100.635 / 102.006	.067 / .073	1.702 / 1.854	.251	0.114
	AS5728-046	4.209 / 4.269	106.909 / 108.433	.067 / .073	1.702 / 1.854	.266	0.121
	AS5728-047	4.459 / 4.519	113.259 / 114.783	.067 / .073	1.702 / 1.854	.281	0.128
	AS5728-048	4.709 / 4.769	119.609 / 121.133	.067 / .073	1.702 / 1.854	.297	0.135
	AS5728-049	4.952 / 5.026	125.781 / 127.660	.067 / .073	1.702 / 1.854	.312	0.142
	AS5728-050	5.202 / 5.276	132.131 / 134.010	.067 / .073	1.702 / 1.854	.328	0.148
(a)	AS5728-102	0.044 / 0.054	1.118 / 1.372	.100 / .106	2.540 / 2.692	.020	0.009
	AS5728-103	0.076 / 0.086	1.930 / 2.184	.100 / .106	2.540 / 2.692	.024	0.011
	AS5728-104	0.107 / 0.117	2.718 / 2.972	.100 / .106	2.540 / 2.692	.028	0.013
	AS5728-105	0.138 / 0.148	3.505 / 3.759	.100 / .106	2.540 / 2.692	.033	0.015
	AS5728-106	0.169 / 0.179	4.293 / 4.547	.100 / .106	2.540 / 2.692	.037	0.017
	AS5728-107	0.201 / 0.211	5.105 / 5.359	.100 / .106	2.540 / 2.692	.041	0.019
	AS5728-108	0.232 / 0.242	5.893 / 6.147	.100 / .106	2.540 / 2.692	.045	0.020
	AS5728-109	0.294 / 0.304	7.468 / 7.722	.100 / .106	2.540 / 2.692	.054	0.024
	AS5728-110	0.357 / 0.367	9.068 / 9.322	.100 / .106	2.540 / 2.692	.062	0.028
	AS5728-111	0.419 / 0.429	10.643 / 10.897	.100 / .106	2.540 / 2.692	.071	0.032
	AS5728-112	0.482 / 0.492	12.243 / 12.497	.100 / .106	2.540 / 2.692	.079	0.036
	AS5728-113	0.542 / 0.556	13.767 / 14.122	.100 / .106	2.540 / 2.692	.088	0.040
	AS5728-114	0.603 / 0.621	15.316 / 15.773	.100 / .106	2.540 / 2.692	.096	0.043
	AS5728-115	0.665 / 0.683	16.891 / 17.348	.100 / .106	2.540 / 2.692	.104	0.047
	AS5728-116	0.728 / 0.746	18.491 / 18.948	.100 / .106	2.540 / 2.692	.113	0.051
	AS5728-117	0.789 / 0.809	20.041 / 20.549	.100 / .106	2.540 / 2.692	.121	0.054
	AS5728-118	0.852 / 0.872	21.641 / 22.149	.100 / .106	2.540 / 2.692	.129	0.058
	AS5728-119	0.914 / 0.934	23.216 / 23.724	.100 / .106	2.540 / 2.692	.137	0.062
	AS5728-120	0.977 / 0.997	24.816 / 25.324	.100 / .106	2.540 / 2.692	.146	0.067



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TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD	ØD	ØW	ØW	APPROX MASS	
		(IN)	(MM)	(IN)	(MM)	(LB/100)	(KG/100)
(a)	AS5728-121	1.039 / 1.059	26.391 / 26.899	.100 / .106	2.540 / 2.692	.154	0.070
	AS5728-122	1.102 / 1.122	27.991 / 28.499	.100 / .106	2.540 / 2.692	.162	0.074
	AS5728-123	1.162 / 1.186	29.515 / 30.124	.100 / .106	2.540 / 2.692	.171	0.078
	AS5728-124	1.225 / 1.249	31.115 / 31.725	.100 / .106	2.540 / 2.692	.179	0.081
	AS5728-125	1.287 / 1.311	32.690 / 33.299	.100 / .106	2.540 / 2.692	.187	0.085
	AS5728-126	1.350 / 1.374	34.290 / 34.900	.100 / .106	2.540 / 2.692	.196	0.089
	AS5728-127	1.412 / 1.436	35.865 / 36.474	.100 / .106	2.540 / 2.692	.204	0.092
	AS5728-128	1.475 / 1.499	37.465 / 38.075	.100 / .106	2.540 / 2.692	.212	0.097
	AS5728-129	1.534 / 1.564	38.964 / 39.726	.100 / .106	2.540 / 2.692	.221	0.101
	AS5728-130	1.597 / 1.627	40.564 / 41.326	.100 / .106	2.540 / 2.692	.230	0.104
	AS5728-131	1.659 / 1.689	42.139 / 42.901	.100 / .106	2.540 / 2.692	.238	0.108
	AS5728-132	1.722 / 1.752	43.739 / 44.501	.100 / .106	2.540 / 2.692	.246	0.112
	AS5728-133	1.784 / 1.814	45.314 / 46.076	.100 / .106	2.540 / 2.692	.255	0.115
	AS5728-134	1.847 / 1.877	46.914 / 47.676	.100 / .106	2.540 / 2.692	.263	0.119
	AS5728-135	1.908 / 1.942	48.463 / 49.327	.100 / .106	2.540 / 2.692	.271	0.123
	AS5728-136	1.970 / 2.004	50.038 / 50.902	.100 / .106	2.540 / 2.692	.280	0.127
	AS5728-137	2.033 / 2.067	51.638 / 52.502	.100 / .106	2.540 / 2.692	.288	0.131
	AS5728-138	2.095 / 2.129	53.213 / 54.077	.100 / .106	2.540 / 2.692	.296	0.135
	AS5728-139	2.158 / 2.192	54.813 / 55.677	.100 / .106	2.540 / 2.692	.305	0.138
	AS5728-140	2.220 / 2.254	56.388 / 57.252	.100 / .106	2.540 / 2.692	.313	0.142
	AS5728-141	2.280 / 2.320	57.912 / 58.928	.100 / .106	2.540 / 2.692	.321	0.146
	AS5728-142	2.342 / 2.382	59.487 / 60.503	.100 / .106	2.540 / 2.692	.330	0.149
	AS5728-143	2.405 / 2.445	61.087 / 62.103	.100 / .106	2.540 / 2.692	.338	0.153
	AS5728-144	2.467 / 2.507	62.662 / 63.678	.100 / .106	2.540 / 2.692	.346	0.157
	AS5728-145	2.530 / 2.570	64.262 / 65.278	.100 / .106	2.540 / 2.692	.355	0.161
	AS5728-146	2.592 / 2.632	65.837 / 66.853	.100 / .106	2.540 / 2.692	.363	0.165
	AS5728-147	2.653 / 2.697	67.386 / 68.504	.100 / .106	2.540 / 2.692	.371	0.169
	AS5728-148	2.715 / 2.759	68.961 / 70.079	.100 / .106	2.540 / 2.692	.380	0.172
	AS5728-149	2.778 / 2.822	70.561 / 71.679	.100 / .106	2.540 / 2.692	.388	0.176
	AS5728-150	2.840 / 2.884	72.136 / 73.254	.100 / .106	2.540 / 2.692	.397	0.180
(b)	AS5728-151	2.963 / 3.011	75.260 / 76.479	.100 / .106	2.540 / 2.692	.414	0.187
	AS5728-152	3.213 / 3.261	81.610 / 82.829	.100 / .106	2.540 / 2.692	.447	0.203
	AS5728-153	3.463 / 3.511	87.960 / 89.179	.100 / .106	2.540 / 2.692	.480	0.218
	AS5728-154	3.709 / 3.765	94.209 / 95.631	.100 / .106	2.540 / 2.692	.513	0.233
	AS5728-155	3.959 / 4.015	100.559 / 101.981	.100 / .106	2.540 / 2.692	.547	0.248
	AS5728-156	4.207 / 4.267	106.858 / 108.382	.100 / .106	2.540 / 2.692	.581	0.264
	AS5728-157	4.457 / 4.517	113.208 / 114.732	.100 / .106	2.540 / 2.692	.614	0.278
	AS5728-158	4.707 / 4.767	119.558 / 121.082	.100 / .106	2.540 / 2.692	.647	0.294
	AS5728-159	4.952 / 5.022	125.781 / 127.559	.100 / .106	2.540 / 2.692	.680	0.309
	AS5728-160	5.202 / 5.272	132.131 / 133.909	.100 / .106	2.540 / 2.692	.714	0.324
	AS5728-161	5.452 / 5.522	138.481 / 140.259	.100 / .106	2.540 / 2.692	.748	0.339
	AS5728-162	5.702 / 5.772	144.831 / 146.609	.100 / .106	2.540 / 2.692	.781	0.354
	AS5728-163	5.952 / 6.022	151.181 / 152.959	.100 / .106	2.540 / 2.692	.814	0.370
	AS5728-164	6.197 / 6.277	157.404 / 159.436	.100 / .106	2.540 / 2.692	.848	0.384
	AS5728-165	6.447 / 6.527	163.754 / 165.786	.100 / .106	2.540 / 2.692	.882	0.400
	AS5728-166	6.697 / 6.777	170.104 / 172.136	.100 / .106	2.540 / 2.692	.915	0.415
	AS5728-167	6.947 / 7.027	176.454 / 178.486	.100 / .106	2.540 / 2.692	.948	0.430
	AS5728-168	7.192 / 7.282	182.677 / 184.963	.100 / .106	2.540 / 2.692	.981	0.445
	AS5728-169	7.442 / 7.532	189.027 / 191.313	.100 / .106	2.540 / 2.692	1.015	0.461
	AS5728-170	7.692 / 7.782	195.377 / 197.663	.100 / .106	2.540 / 2.692	1.049	0.475



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TABLE 1 - PART NUMBERS AND DIMENSIONS (CONTINUED)

APP NOTE	PART NUMBER	ØD	ØD	ØW	ØW	APPROX MASS	
		(IN)	(MM)	(IN)	(MM)	(LB/100)	(KG/100)
(b)	AS5728-171	7.942 / 8.032	201.727 / 204.013	.100 / .106	2.540 / 2.692	1.082	0.491
	AS5728-172	8.187 / 8.287	207.950 / 210.490	.100 / .106	2.540 / 2.692	1.115	0.506
	AS5728-173	8.437 / 8.537	214.300 / 216.840	.100 / .106	2.540 / 2.692	1.149	0.521
	AS5728-174	8.687 / 8.787	220.650 / 223.190	.100 / .106	2.540 / 2.692	1.182	0.536
	AS5728-175	8.937 / 9.037	227.000 / 229.540	.100 / .106	2.540 / 2.692	1.216	0.551
	AS5728-176	9.182 / 9.292	233.223 / 236.017	.100 / .106	2.540 / 2.692	1.249	0.567
	AS5728-177	9.432 / 9.542	239.573 / 242.367	.100 / .106	2.540 / 2.692	1.283	0.581
	AS5728-178	9.682 / 9.792	245.923 / 248.717	.100 / .106	2.540 / 2.692	1.316	0.597
	AS5728-201	.166 / .176	4.216 / 4.470	.135 / .143	3.429 / 3.632	.075	0.034
	AS5728-202	.229 / .239	5.817 / 6.071	.135 / .143	3.429 / 3.632	.091	0.041
	AS5728-203	.291 / .301	7.391 / 7.645	.135 / .143	3.429 / 3.632	.106	0.048
	AS5728-204	.354 / .364	8.992 / 9.246	.135 / .143	3.429 / 3.632	.122	0.055
	AS5728-205	.416 / .426	10.566 / 10.820	.135 / .143	3.429 / 3.632	.136	0.062
	AS5728-206	.479 / .489	12.167 / 12.421	.135 / .143	3.429 / 3.632	.152	0.062
	AS5728-207	.539 / .553	13.691 / 14.046	.135 / .143	3.429 / 3.632	.167	0.075
	AS5728-208	.600 / .618	15.240 / 15.697	.135 / .143	3.429 / 3.632	.182	0.083
	AS5728-209	.662 / .680	16.815 / 17.272	.135 / .143	3.429 / 3.632	.197	0.089
	AS5728-210	.724 / .744	18.390 / 18.898	.135 / .143	3.429 / 3.632	.212	0.097
	AS5728-211	.786 / .806	19.964 / 20.472	.135 / .143	3.429 / 3.632	.228	0.103
	AS5728-212	.849 / .869	21.565 / 22.073	.135 / .143	3.429 / 3.632	.243	0.110
	AS5728-213	.911 / .931	23.139 / 23.647	.135 / .143	3.429 / 3.632	.258	0.117
	AS5728-214	.974 / .994	24.740 / 25.248	.135 / .143	3.429 / 3.632	.273	0.124
	AS5728-215	1.036 / 1.056	26.314 / 26.822	.135 / .143	3.429 / 3.632	.289	0.131
	AS5728-216	1.097 / 1.121	27.864 / 28.473	.135 / .143	3.429 / 3.632	.304	0.138
	AS5728-217	1.159 / 1.183	29.439 / 30.048	.135 / .143	3.429 / 3.632	.319	0.144
	AS5728-218	1.222 / 1.246	31.039 / 31.648	.135 / .143	3.429 / 3.632	.334	0.152
	AS5728-219	1.284 / 1.308	32.614 / 33.223	.135 / .143	3.429 / 3.632	.350	0.158
	AS5728-220	1.347 / 1.371	34.214 / 34.823	.135 / .143	3.429 / 3.632	.365	0.165
	AS5728-221	1.409 / 1.433	35.789 / 36.398	.135 / .143	3.429 / 3.632	.380	0.173
	AS5728-222	1.469 / 1.499	37.313 / 38.075	.135 / .143	3.429 / 3.632	.395	0.179
	AS5728-223	1.594 / 1.624	40.488 / 41.250	.135 / .143	3.429 / 3.632	.426	0.193
	AS5728-224	1.719 / 1.749	43.663 / 44.425	.135 / .143	3.429 / 3.632	.457	0.207
	AS5728-225	1.841 / 1.877	46.761 / 47.676	.135 / .143	3.429 / 3.632	.487	0.221
(a)	AS5728-226	1.966 / 2.002	49.936 / 50.851	.135 / .143	3.429 / 3.632	.517	0.234
	AS5728-227	2.091 / 2.127	53.111 / 54.026	.135 / .143	3.429 / 3.632	.547	0.248
	AS5728-228	2.214 / 2.254	56.236 / 57.252	.135 / .143	3.429 / 3.632	.578	0.262
	AS5728-229	2.339 / 2.379	59.411 / 60.427	.135 / .143	3.429 / 3.632	.608	0.276
	AS5728-230	2.464 / 2.504	62.586 / 63.602	.135 / .143	3.429 / 3.632	.639	0.290
	AS5728-231	2.589 / 2.629	65.761 / 66.777	.135 / .143	3.429 / 3.632	.669	0.303
	AS5728-232	2.710 / 2.758	68.834 / 70.053	.135 / .143	3.429 / 3.632	.700	0.317
	AS5728-233	2.835 / 2.883	72.009 / 73.228	.135 / .143	3.429 / 3.632	.730	0.331
	AS5728-234	2.960 / 3.008	75.184 / 76.403	.135 / .143	3.429 / 3.632	.761	0.345
	AS5728-235	3.085 / 3.133	78.359 / 79.578	.135 / .143	3.429 / 3.632	.792	0.358
	AS5728-236	3.210 / 3.258	81.534 / 82.753	.135 / .143	3.429 / 3.632	.822	0.373
	AS5728-237	3.335 / 3.383	84.709 / 85.928	.135 / .143	3.429 / 3.632	.852	0.387
	AS5728-238	3.460 / 3.508	87.884 / 89.103	.135 / .143	3.429 / 3.632	.882	0.401
	AS5728-239	3.581 / 3.637	90.957 / 92.380	.135 / .143	3.429 / 3.632	.913	0.414
	AS5728-240	3.706 / 3.762	94.132 / 95.555	.135 / .143	3.429 / 3.632	.943	0.428



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