

RATIONALE

AS3551 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

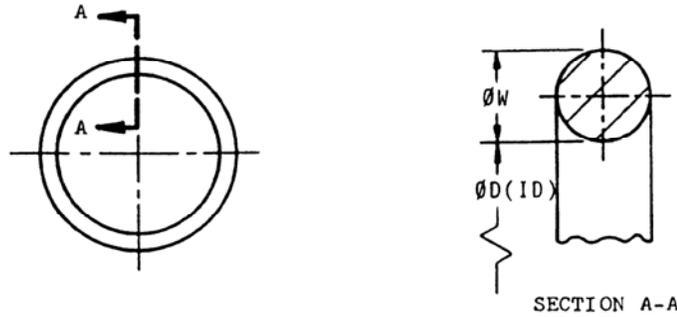


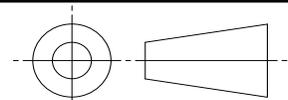
FIGURE 1

TABLE 1 - DIMENSION

DASH NO.	ØD	ØW	APPROX MASS LB/100
-001	.025- .033	.037- .043	.0014
-002	.038- .046	.047- .053	.0028
-003	.052- .060	.057- .063	.0046
-004	.065- .075	.067- .073	.0078
-005	.096- .106	.067- .073	.0097
-006	.109- .119	.067- .073	.0101
-007	.140- .150	.067- .073	.0120
-008	.171- .181	.067- .073	.0138
-009	.203- .213	.067- .073	.0156
-010	.234- .244	.067- .073	.0170
-011	.296- .306	.067- .073	.0207
-012	.359- .369	.067- .073	.0239
-013	.421- .431	.067- .073	.0276
-014	.484- .494	.067- .073	.0313
-015	.544- .558	.067- .073	.0345
-016	.605- .623	.067- .073	.0382
-017	.667- .685	.067- .073	.0414
-018	.730- .748	.067- .073	.0451
-019	.792- .810	.067- .073	.0483
-020	.855- .873	.067- .073	.0520

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS3551>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

PACKING, PREFORMED – O-RING SEAL
AMS7272

SAE AS3551
SHEET 1 OF 13

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SAE AS3551

ISSUED 1994-11 REAFFIRMED 2012-11

TABLE 1 (CONTINUED)

DASH NO.	ϕD	ϕW	APPROX MASS LB/100
-021	.917-.935	.067-.073	.0552
-022	.979-.999	.067-.073	.0589
-023	1.041-1.061	.067-.073	.0626
-024	1.104-1.124	.067-.073	.0658
-025	1.165-1.187	.067-.073	.0695
-026	1.228-1.250	.067-.073	.0727
-027	1.290-1.312	.067-.073	.0764
-028	1.351-1.377	.067-.073	.0796
-029	1.476-1.502	.067-.073	.0865
-030	1.601-1.627	.067-.073	.0938
-031	1.724-1.754	.067-.073	.1007
-032	1.849-1.879	.067-.073	.1076
-033	1.971-2.007	.067-.073	.1145
-034	2.096-2.132	.067-.073	.1214
-035	2.221-2.257	.067-.073	.1283
-036	2.346-2.382	.067-.073	.1352
-037	2.471-2.507	.067-.073	.1421
-038	2.594-2.634	.067-.073	.1495
-039	2.719-2.759	.067-.073	.1564
-040	2.844-2.884	.067-.073	.1633
-041	2.965-3.013	.067-.073	.1702
-042	3.215-3.263	.067-.073	.1840
-043	3.465-3.513	.067-.073	.1978
-044	3.712-3.766	.067-.073	.2121
-045	3.962-4.016	.067-.073	.2259
-046	4.209-4.269	.067-.073	.2397
-047	4.459-4.519	.067-.073	.2535
-048	4.709-4.769	.067-.073	.2673
-049	4.952-5.026	.067-.073	.2815
-050	5.202-5.276	.067-.073	.2953
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-102	.044-.054	.100-.106	.0184
-103	.076-.086	.100-.106	.0221
-104	.107-.117	.100-.106	.0258
-105	.138-.148	.100-.106	.0294

TABLE 1 (CONTINUED)

DASH NO.	ϕD	ϕW	APPROX MASS LB/100
-106	.169- .179	.100-.106	.0336
-107	.201- .211	.100-.106	.0373
-108	.232- .242	.100-.106	.0409
-109	.294- .304	.100-.106	.0483
-110	.357- .367	.100-.106	.0561
-111	.419- .429	.100-.106	.0635
-112	.482- .492	.100-.106	.0708
-113	.542- .556	.100-.106	.0787
-114	.603- .621	.100-.106	.0860
-115	.665- .683	.100-.106	.0934
-116	.728- .746	.100-.106	.1012
-117	.789- .809	.100-.106	.1086
-118	.852- .872	.100-.106	.1164
-119	.914- .934	.100-.106	.1237
-120	.977- .997	.100-.106	.1311
-121	1.039-1.059	.100-.106	.1389
-122	1.102-1.122	.100-.106	.1463
-123	1.162-1.186	.100-.106	.1536
-124	1.225-1.249	.100-.106	.1615
-125	1.287-1.311	.100-.106	.1688
-126	1.350-1.374	.100-.106	.1762
-127	1.412-1.436	.100-.106	.1840
-128	1.475-1.499	.100-.106	.1914
-129	1.534-1.564	.100-.106	.1987
-130	1.597-1.627	.100-.106	.2065
-131	1.659-1.689	.100-.106	.2139
-132	1.722-1.752	.100-.106	.2217
-133	1.784-1.814	.100-.106	.2291
-134	1.847-1.877	.100-.106	.2364
-135	1.908-1.942	.100-.106	.2443
-136	1.970-2.004	.100-.106	.2516
-137	2.033-2.067	.100-.106	.2594
-138	2.095-2.129	.100-.106	.2668
-139	2.158-2.192	.100-.106	.2742
-140	2.220-2.254	.100-.106	.2820

TABLE 1 (CONTINUED)

DASH NO.	ϕD	ϕW	APPROX MASS LB/100
-141	2.280-2.320	.100-.106	.2893
-142	2.342-2.382	.100-.106	.2967
-143	2.405-2.445	.100-.106	.3045
-144	2.467-2.507	.100-.106	.3119
-145	2.530-2.570	.100-.106	.3192
-146	2.592-2.632	.100-.106	.3271
-147	2.653-2.697	.100-.106	.3344
-148	2.715-2.759	.100-.106	.3418
-149	2.778-2.822	.100-.106	.3496
-150	2.840-2.884	.100-.106	.3570
-151	2.963-3.011	.100-.106	.3721
-152	3.213-3.261	.100-.106	.4020
-153	3.463-3.511	.100-.106	.4324
-154	3.709-3.765	.100-.106	.4623
-155	3.959-4.015	.100-.106	.4927
-156	4.207-4.267	.100-.106	.5226
-157	4.457-4.517	.100-.106	.5529
-158	4.707-4.767	.100-.106	.5828
-159	4.952-5.022	.100-.106	.6127
-160	5.202-5.272	.100-.106	.6431
-161	5.452-5.522	.100-.106	.6730
-162	5.702-5.772	.100-.106	.7033
-163	5.952-6.022	.100-.106	.7332
-164	6.197-6.277	.100-.106	.7636
-165	6.447-6.527	.100-.106	.7935
-166	6.697-6.777	.100-.106	.8234
-167	6.947-7.027	.100-.106	.8538
-168	7.192-7.282	.100-.106	.8837
-169	7.442-7.532	.100-.106	.9140
-170	7.692-7.782	.100-.106	.9439
-171	7.942-8.032	.100-.106	.9743
-172	8.187-8.287	.100-.106	1.0042
-173	8.437-8.537	.100-.106	1.0345
-174	8.687-8.787	.100-.106	1.0644
-175	8.937-9.037	.100-.106	1.0943

TABLE 1 (CONTINUED)

DASH NO.	ϕD	ϕW	APPROX MASS LB/100
-176	9.182-9.292	.100-.106	1.1247
-177	9.432-9.542	.100-.106	1.1546
-178	9.682-9.792	.100-.106	1.1850
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-201	.166-.176	.135-.143	.0681
-202	.229-.239	.135-.143	.0819
-203	.291-.301	.135-.143	.0952
-204	.354-.364	.135-.143	.1090
-205	.416-.426	.135-.143	.1228
-206	.479-.489	.135-.143	.1366
-207	.539-.553	.135-.143	.1504
-208	.600-.618	.135-.143	.1642
-209	.662-.680	.135-.143	.1776
-210	.724-.744	.135-.143	.1914
-211	.786-.806	.135-.143	.2052
-212	.849-.869	.135-.143	.2190
-213	.911-.931	.135-.143	.2323
-214	.974-.994	.135-.143	.2461
-215	1.036-1.056	.135-.143	.2599
-216	1.097-1.121	.135-.143	.2737
-217	1.159-1.183	.135-.143	.2875
-218	1.222-1.246	.135-.143	.3013
-219	1.284-1.308	.135-.143	.3146
-220	1.347-1.371	.135-.143	.3284
-221	1.409-1.433	.135-.143	.3422
-222	1.469-1.499	.135-.143	.3560
-223	1.594-1.624	.135-.143	.3832
-224	1.719-1.749	.135-.143	.4108
-225	1.841-1.877	.135-.143	.4379
-226	1.966-2.002	.135-.143	.4655
-227	2.091-2.127	.135-.143	.4931
-228	2.214-2.254	.135-.143	.5203
-229	2.339-2.379	.135-.143	.5479
-230	2.464-2.504	.135-.143	.5750

TABLE 1 (CONTINUED)

DASH NO.	ϕD	ϕW	APPROX MASS LB/100
-231	2.589-2.629	.135-.143	.6026
-232	2.710-2.758	.135-.143	.6302
-233	2.835-2.883	.135-.143	.6573
-234	2.960-3.008	.135-.143	.6849
-235	3.085-3.133	.135-.143	.7121
-236	3.210-3.258	.135-.143	.7397
-237	3.335-3.383	.135-.143	.7673
-238	3.460-3.508	.135-.143	.7944
-239	3.581-3.637	.135-.143	.8220
-240	3.706-3.762	.135-.143	.8492
-241	3.831-3.887	.135-.143	.8768
-242	3.956-4.012	.135-.143	.9044
-243	4.081-4.137	.135-.143	.9315
-244	4.204-4.264	.135-.143	.9591
-245	4.329-4.389	.135-.143	.9862
-246	4.454-4.514	.135-.143	1.0138
-247	4.579-4.639	.135-.143	1.0410
-248	4.704-4.764	.135-.143	1.0686
-249	4.824-4.894	.135-.143	1.0962
-250	4.949-5.019	.135-.143	1.1233
-251	5.074-5.144	.135-.143	1.1509
-252	5.199-5.269	.135-.143	1.1781
-253	5.324-5.394	.135-.143	1.2057
-254	5.449-5.519	.135-.143	1.2333
-255	5.574-5.644	.135-.143	1.2604
-256	5.699-5.769	.135-.143	1.2880
-257	5.824-5.894	.135-.143	1.3151
-258	5.949-6.019	.135-.143	1.3427
-259	6.194-6.274	.135-.143	1.3975
-260	6.444-6.524	.135-.143	1.4522
-261	6.694-6.774	.135-.143	1.5074
-262	6.944-7.024	.135-.143	1.5622
-263	7.189-7.279	.135-.143	1.6169
-264	7.439-7.529	.135-.143	1.6716
-265	7.689-7.779	.135-.143	1.7264

TABLE 1 (CONTINUED)

DASH NO.	ϕD	ϕW	APPROX MASS LB/100
-266	7.939- 8.029	.135-.143	1.7811
-267	8.184- 8.284	.135-.143	1.8363
-268	8.434- 8.534	.135-.143	1.8911
-269	8.684- 8.784	.135-.143	1.9458
-270	8.934- 9.034	.135-.143	2.0005
-271	9.179- 9.289	.135-.143	2.0553
-272	9.429- 9.539	.135-.143	2.1105
-273	9.679- 9.789	.135-.143	2.1652
-274	9.929-10.039	.135-.143	2.2200
-275	10.429-10.539	.135-.143	2.3294
-276	10.919-11.049	.135-.143	2.4394
-277	11.419-11.549	.135-.143	2.5489
-278	11.919-12.049	.135-.143	2.6583
-279	12.919-13.049	.135-.143	2.8778
-280	13.919-14.049	.135-.143	3.0972
-281	14.919-15.049	.135-.143	3.3166
-282	15.880-16.030	.135-.143	3.5391
-283	16.875-17.035	.135-.143	3.7485
-284	17.870-18.040	.135-.143	3.9680
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-309	.407- .417	.205-.215	.3114
-310	.470- .480	.205-.215	.3427
-311	.530- .544	.205-.215	.3740
-312	.591- .609	.205-.215	.4053
-313	.653- .671	.205-.215	.4365
-314	.715- .735	.205-.215	.4678
-315	.777- .797	.205-.215	.4991
-316	.840- .860	.205-.215	.5304
-317	.902- .922	.205-.215	.5617
-318	.965- .985	.205-.215	.5929
-319	1.027- 1.047	.205-.215	.6242
-320	1.088- 1.112	.205-.215	.6555

TABLE 1 (CONTINUED)

DASH NO.	ϕD	ϕW	APPROX MASS LB/100
-321	1.150-1.174	.205-.215	.6868
-322	1.213-1.237	.205-.215	.7181
-323	1.275-1.299	.205-.215	.7493
-324	1.338-1.362	.205-.215	.7806
-325	1.460-1.490	.205-.215	.8432
-326	1.585-1.615	.205-.215	.9062
-327	1.710-1.740	.205-.215	.9688
-328	1.835-1.865	.205-.215	1.0313
-329	1.957-1.993	.205-.215	1.0939
-330	2.082-2.118	.205-.215	1.1564
-331	2.207-2.243	.205-.215	1.2190
-332	2.332-2.368	.205-.215	1.2816
-333	2.455-2.495	.205-.215	1.3441
-334	2.580-2.620	.205-.215	1.4067
-335	2.705-2.745	.205-.215	1.4692
-336	2.830-2.870	.205-.215	1.5318
-337	2.951-2.999	.205-.215	1.5944
-338	3.076-3.124	.205-.215	1.6569
-339	3.201-3.249	.205-.215	1.7195
-340	3.326-3.374	.205-.215	1.7820
-341	3.451-3.499	.205-.215	1.8446
-342	3.572-3.628	.205-.215	1.9072
-343	3.697-3.753	.205-.215	1.9697
-344	3.822-3.878	.205-.215	2.0323
-345	3.947-4.003	.205-.215	2.0948
-346	4.072-4.128	.205-.215	2.1574
-347	4.195-4.255	.205-.215	2.2200
-348	4.320-4.380	.205-.215	2.2825
-349	4.445-4.505	.205-.215	2.3451
-350	4.570-4.630	.205-.215	2.4076
-351	4.695-4.755	.205-.215	2.4702
-352	4.820-4.880	.205-.215	2.5328
-353	4.938-5.012	.205-.215	2.5953
-354	5.063-5.137	.205-.215	2.6579
-355	5.188-5.262	.205-.215	2.7204

TABLE 1 (CONTINUED)

DASH NO.	ϕD	ϕW	APPROX MASS LB/100
-356	5.313- 5.387	.205-.215	2.7830
-357	5.438- 5.512	.205-.215	2.8456
-358	5.563- 5.637	.205-.215	2.9081
-359	5.688- 5.762	.205-.215	2.9707
-360	5.813- 5.887	.205-.215	3.0332
-361	5.938- 6.012	.205-.215	3.0958
-362	6.185- 6.265	.205-.215	3.2209
-363	6.435- 6.515	.205-.215	3.3460
-364	6.685- 6.765	.205-.215	3.4712
-365	6.935- 7.015	.205-.215	3.5963
-366	7.180- 7.270	.205-.215	3.7214
-367	7.430- 7.520	.205-.215	3.8465
-368	7.680- 7.770	.205-.215	3.9716
-369	7.930- 8.020	.205-.215	4.0968
-370	8.175- 8.275	.205-.215	4.2219
-371	8.425- 8.525	.205-.215	4.3470
-372	8.675- 8.775	.205-.215	4.4721
-373	8.925- 9.025	.205-.215	4.5972
-374	9.170- 9.280	.205-.215	4.7224
-375	9.420- 9.530	.205-.215	4.8475
-376	9.670- 9.780	.205-.215	4.9731
-377	9.920-10.030	.205-.215	5.0982
-378	10.415-10.535	.205-.215	5.3484
-379	10.915-11.035	.205-.215	5.5987
-380	11.410-11.540	.205-.215	5.8489
-381	11.910-12.040	.205-.215	6.0991
-382	12.910-13.040	.205-.215	6.5996
-383	13.905-14.045	.205-.215	7.1001
-384	14.905-15.045	.205-.215	7.6006
-385	15.880-16.030	.205-.215	8.0914
-386	16.875-17.035	.205-.215	8.5919
-387	17.870-18.040	.205-.215	9.0924
-388	18.865-19.045	.205-.215	9.5920
-389	19.860-20.050	.205-.215	10.0933
-390	20.860-21.050	.205-.215	10.5938

TABLE 1 (CONTINUED)

DASH NO.	ϕD	ϕW	APPROX MASS LB/100
-391	21.855-22.055	.205-.215	11.0943
-392	22.835-23.045	.205-.215	11.5874
-393	23.830-24.050	.205-.215	12.0879
-394	24.825-25.055	.205-.215	12.5884
-395	25.820-26.060	.205-.215	13.0888
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-425	4.442- 4.508	.269-.281	4.0770
-426	4.567- 4.633	.269-.281	4.1846
-427	4.692- 4.758	.269-.281	4.2918
-428	4.817- 4.883	.269-.281	4.3990
-429	4.938- 5.012	.269-.281	4.5062
-430	5.063- 5.137	.269-.281	4.6138
-431	5.188- 5.262	.269-.281	4.7210
-432	5.313- 5.387	.269-.281	4.8282
-433	5.438- 5.512	.269-.281	4.9353
-434	5.563- 5.637	.269-.281	5.0430
-435	5.688- 5.762	.269-.281	5.1502
-436	5.813- 5.887	.269-.281	5.2573
-437	5.938- 6.012	.269-.281	5.3645
-438	6.185- 6.265	.269-.281	5.5793
-439	6.435- 6.515	.269-.281	5.7937
-440	6.685- 6.765	.269-.281	6.0085
-441	6.935- 7.015	.269-.281	6.2229
-442	7.180- 7.270	.269-.281	6.4377
-443	7.430- 7.520	.269-.281	6.6521
-444	7.680- 7.770	.269-.281	6.8669
-445	7.930- 8.020	.269-.281	7.0812
-446	8.420- 8.530	.269-.281	7.5104
-447	8.920- 9.030	.269-.281	7.9396
-448	9.420- 9.530	.269-.281	8.3688
-449	9.920-10.030	.269-.281	8.7980
-450	10.415-10.535	.269-.281	9.2271