

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

AS3578™

FEDERAL SUPPLY CLASS
5330

RATIONALE

AS3578 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

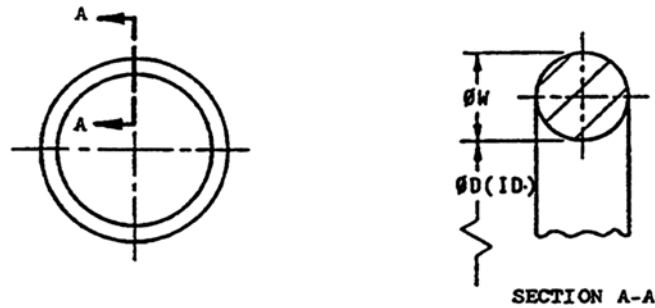


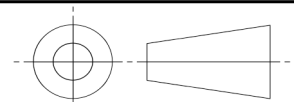
FIGURE 1

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
-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

SAE values your input. To provide feedback on this Technical Report, please visit
<http://standards.sae.org/AS3578>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

PACKING, PREFORMED – O-RING SEAL
AMST271

AS3578™
SHEET 1 OF 9

Documents

Copyright © 2018 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

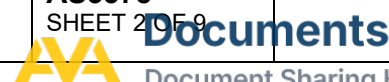
SAE WEB ADDRESS: <http://www.sae.org>

TABLE 1 (CONTINUED)

DASH NO.	ϕ D	ϕ W	APPROX MASS LB/100
-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
-102	.044 - .054	.100 - .106	.0184
-103	.076 - .086	.100 - .106	.0221
-104	.107 - .117	.100 - .106	.0258
-105	.138 - .148	.100 - .106	.0294
-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



AEROSPACE STANDARD

PACKING, PREFORMED – O-RING SEAL
AMS7271AS3578™
SHEET 2 OF 9

Document Sharing Hub

TABLE 1 (CONTINUED)

DASH NO.	ϕD	ϕW	APPROX MASS LB/100
-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
-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
-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



AEROSPACE STANDARD

PACKING, PREFORMED – O-RING SEAL
AMS7271AS3578™
SHEET 3 OF 9

Document Sharing Hub