



AEROSPACE STANDARD

AS9955™**REV. B**Issued 1998-05
Revised 2020-06

Superseding AS9955A

(R) O-Ring Machined from AMS3668 Material

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. For the sake of efficiency, the O-rings previously listed in AS9956 are now integrated into this standard. AS9956 is cancelled and the reader directed to AS9955.

FOREWORD

The initial release of this document was intended to replace Military Specification MS9955. Any Part Numbers established by the original Specification remain unchanged.

1. SCOPE

This standard establishes the dimensional and visual quality requirements, lot requirements, and packaging and labeling requirements for O-rings machined from AMS3668 material. It shall be used for procurement purposes.

1.1 Field of Application

These O-rings are used in applications requiring chemical inertness up to 500 °F (260 °C) and provide improved mechanical and/or electrical properties but usage is not limited to such applications.

NOTES:

1. Each application should be considered separately.
2. The operating temperature range of the material is a general temperature range, but the presence of particular fluids and design parameters may modify this range.
3. Each user should make his own tests to determine the suitability for his own particular use.
4. These O-rings are intended only for use as static seals.

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.

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.

Copyright © 2020 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)
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
http://www.sae.org

SAE WEB ADDRESS:

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9955B/>

2.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15086-7511, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

AMS2817	Packaging and Identification of Molded Elastomeric Seals and Sealing Components
AMS3668	Polytetrafluoroethylene (PTFE) Moldings Premium Grade, As Sintered
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
AS4099	Adapter, Assembly - Port Connection Ring Locked To Flareless Tube End
AS4383	Fitting Assembly, Reducer Ring Locked Port Connection To Beam Seal 5000 PSI
AS33649	Bosses, Fluid Connection, Internal Straight Thread

2.2 ASQ Publications

Available from American Society for Quality, 600 North Plankinton Avenue, Milwaukee, WI 53203, Tel: 800-248-1946 (United States or Canada), 001-800-514-1564 (Mexico) or +1-414-272-8575 (all other locations), www.asq.org.

ANSI/ASQ Z1.4 2003	Sampling Procedures and Tables for Inspection by Attributes
--------------------	---

2.3 ASME Publications

Available from ASME, P.O. Box 2900, 22 Law Drive, Fairfield, NJ 07007-2900, Tel: 800-843-2763 (U.S./Canada), 001-800-843-2763 (Mexico), 973-882-1170 (outside North America), www.asme.org.

ASME Y14.5	Dimensioning and Tolerancing
------------	------------------------------

3. REQUIREMENTS

3.1 Material

The material shall be in accordance with AMS3668, Type 2.

3.2 Dimensions

See Figure 1 and Table 1 for standard sizes and Table 2 for boss O-ring sizes for AS33649 ports.

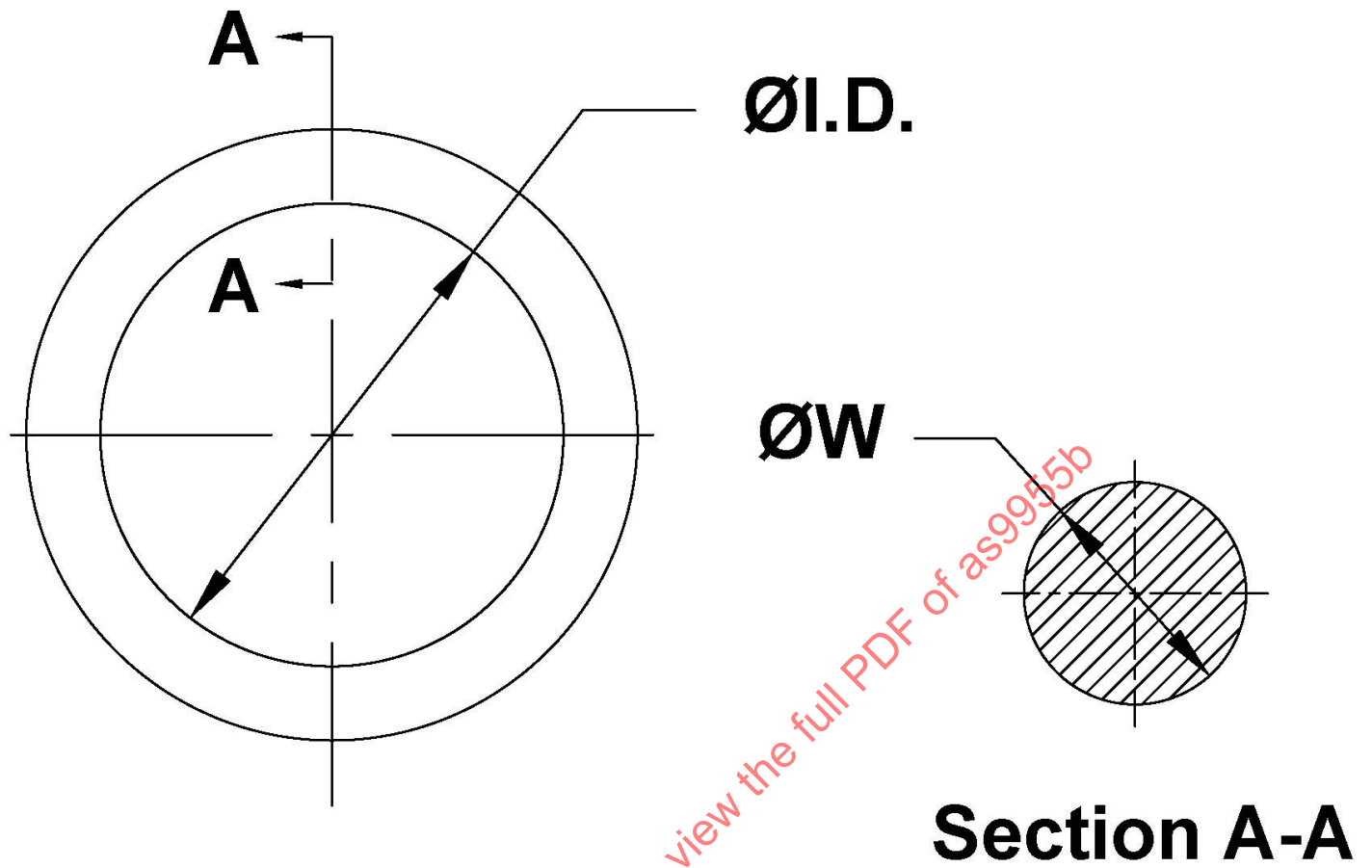


Figure 1 - O-Ring dimensions - width ($\emptyset W$) and inside diameter ($\emptyset ID$)

NOTE: Dimensions and tolerancing per ASME Y14.5.

Table 1 - Part numbers and dimensions

Part Number	Ø ID	Ø ID	ØW	ØW	Approx Mass	
	Inches	mm	Inches	mm	LB/100	KG/100
MS9955-001	.025/ .033	0.64/ 0.84	.037/.043	0.94/1.09	.002	0.001
MS9955-002	.038/ .046	0.97/ 1.17	.047/.053	1.19/1.35	.005	0.002
MS9955-003	.052/ .060	1.32/ 1.52	.057/.063	1.45/1.60	.008	0.004
MS9955-004	.065/ .075	1.65/ 1.91	.067/.073	1.70/1.85	.013	0.006
MS9955-005	.096/ .106	2.44/ 2.69	.067/.073	1.70/1.85	.016	0.007
MS9955-006	.109/ .119	2.77/ 3.02	.067/.073	1.70/1.85	.017	0.008
MS9955-007	.140/ .150	3.56/ 3.81	.067/.073	1.70/1.85	.020	0.009
MS9955-008	.171/ .181	4.34/ 4.60	.067/.073	1.70/1.85	.023	0.010
MS9955-009	.203/ .213	5.16/ 5.41	.067/.073	1.70/1.85	.027	0.012
MS9955-010	.234/ .244	5.94/ 6.20	.067/.073	1.70/1.85	.029	0.013
MS9955-011	.296/ .306	7.52/ 7.77	.067/.073	1.70/1.85	.035	0.016
MS9955-012	.359/ .369	9.12/ 9.37	.067/.073	1.70/1.85	.041	0.019
MS9955-013	.421/ .431	10.69/ 10.95	.067/.073	1.70/1.85	.047	0.021
MS9955-014	.484/ .494	12.29/ 12.55	.067/.073	1.70/1.85	.053	0.024
MS9955-015	.544/ .558	13.82/ 14.17	.067/.073	1.70/1.85	.058	0.026
MS9955-016	.605/ .623	15.37/ 15.82	.067/.073	1.70/1.85	.065	0.030
MS9955-017	.667/ .685	16.94/ 17.40	.067/.073	1.70/1.85	.070	0.032
MS9955-018	.730/ .748	18.54/ 19.00	.067/.073	1.70/1.85	.076	0.035
MS9955-019	.792/ .810	20.12/ 20.57	.067/.073	1.70/1.85	.082	0.037
MS9955-020	.855/ .873	21.72/ 22.17	.067/.073	1.70/1.85	.088	0.040
MS9955-021	.917/ .935	23.29/ 23.75	.067/.073	1.70/1.85	.094	0.043
MS9955-022	.979/ .999	24.87/ 25.37	.067/.073	1.70/1.85	.100	0.045
MS9955-023	1.041/1.061	26.44/ 26.95	.067/.073	1.70/1.85	.106	0.048
MS9955-024	1.104/1.124	28.04/ 28.55	.067/.073	1.70/1.85	.112	0.051
MS9955-025	1.165/1.187	29.59/ 30.15	.067/.073	1.70/1.85	.118	0.054
MS9955-026	1.228/1.250	31.19/ 31.75	.067/.073	1.70/1.85	.123	0.056
MS9955-027	1.290/1.312	32.77/ 33.33	.067/.073	1.70/1.85	.129	0.059
MS9955-028	1.351/1.377	34.32/ 34.98	.067/.073	1.70/1.85	.135	0.061
MS9955-029	1.476/1.502	37.49/ 38.15	.067/.073	1.70/1.85	.147	0.067
MS9955-030	1.601/1.627	40.67/ 41.33	.067/.073	1.70/1.85	.159	0.072
MS9955-031	1.724/1.754	43.79/ 44.55	.067/.073	1.70/1.85	.171	0.078
MS9955-032	1.849/1.879	46.97/ 47.73	.067/.073	1.70/1.85	.183	0.083
MS9955-033	1.971/2.007	50.06/ 50.98	.067/.073	1.70/1.85	.194	0.088
MS9955-034	2.096/2.132	53.24/ 54.15	.067/.073	1.70/1.85	.206	0.094
MS9955-035	2.221/2.257	56.41/ 57.33	.067/.073	1.70/1.85	.218	0.099
MS9955-036	2.346/2.382	59.59/ 60.50	.067/.073	1.70/1.85	.229	0.104
MS9955-037	2.471/2.507	62.76/ 63.68	.067/.073	1.70/1.85	.241	0.109
MS9955-038	2.594/2.634	65.89/ 66.90	.067/.073	1.70/1.85	.253	0.115
MS9955-039	2.719/2.759	69.06/ 70.08	.067/.073	1.70/1.85	.265	0.120
MS9955-040	2.844/2.884	72.24/ 73.25	.067/.073	1.70/1.85	.277	0.126
MS9955-041	2.965/3.013	75.31/ 76.53	.067/.073	1.70/1.85	.289	0.131
MS9955-042	3.215/3.263	81.66/ 82.88	.067/.073	1.70/1.85	.312	0.142
MS9955-043	3.465/3.513	88.01/ 89.23	.067/.073	1.70/1.85	.336	0.153
MS9955-044	3.712/3.766	94.29/ 95.66	.067/.073	1.70/1.85	.359	0.163
MS9955-045	3.962/4.016	100.64/102.01	.067/.073	1.70/1.85	.383	0.174
MS9955-046	4.209/4.269	106.91/108.43	.067/.073	1.70/1.85	.406	0.184
MS9955-047	4.459/4.519	113.26/114.78	.067/.073	1.70/1.85	.430	0.195
MS9955-048	4.709/4.769	119.61/121.13	.067/.073	1.70/1.85	.454	0.206
MS9955-049	4.952/5.026	125.78/127.66	.067/.073	1.70/1.85	.477	0.217
MS9955-050	5.202/5.276	132.13/134.01	.067/.073	1.70/1.85	.500	0.227

Table 1 - Part numbers and dimensions (continued)

Part Number	Ø ID	Ø ID	ØW	ØW	Approx Mass	
	Inches	mm	Inches	mm	LB/100	KG/100
MS9955-102	.044/ .054	1.12/ 1.37	.100/.106	2.54/2.69	.031	0.014
MS9955-103	.076/ .086	1.93/ 2.18	.100/.106	2.54/2.69	.037	0.017
MS9955-104	.107/ .117	2.72/ 2.97	.100/.106	2.54/2.69	.044	0.020
MS9955-105	.138/ .148	3.51/ 3.76	.100/.106	2.54/2.69	.050	0.023
MS9955-106	.169/ .179	4.29/ 4.55	.100/.106	2.54/2.69	.057	0.026
MS9955-107	.201/ .211	5.11/ 5.36	.100/.106	2.54/2.69	.063	0.029
MS9955-108	.232/ .242	5.89/ 6.15	.100/.106	2.54/2.69	.069	0.031
MS9955-109	.294/ .304	7.47/ 7.72	.100/.106	2.54/2.69	.082	0.037
MS9955-110	.357/ .367	9.07/ 9.32	.100/.106	2.54/2.69	.095	0.043
MS9955-111	.419/ .429	10.64/10.90	.100/.106	2.54/2.69	.108	0.049
MS9955-112	.482/ .492	12.24/12.50	.100/.106	2.54/2.69	.120	0.054
MS9955-113	.542/ .556	13.77/14.12	.100/.106	2.54/2.69	.133	0.060
MS9955-114	.603/ .621	15.32/15.77	.100/.106	2.54/2.69	.146	0.066
MS9955-115	.665/ .683	16.89/17.35	.100/.106	2.54/2.69	.158	0.072
MS9955-116	.728/ .746	18.49/18.95	.100/.106	2.54/2.69	.172	0.078
MS9955-117	.789/ .809	20.04/20.55	.100/.106	2.54/2.69	.184	0.084
MS9955-118	.852/ .872	21.64/22.15	.100/.106	2.54/2.69	.197	0.089
MS9955-119	.914/ .934	23.22/23.72	.100/.106	2.54/2.69	.210	0.095
MS9955-120	.977/ .997	24.82/25.32	.100/.106	2.54/2.69	.222	0.101
MS9955-121	1.039/1.059	26.39/26.90	.100/.106	2.54/2.69	.236	0.107
MS9955-122	1.102/1.122	27.99/28.50	.100/.106	2.54/2.69	.248	0.113
MS9955-123	1.162/1.186	29.52/30.12	.100/.106	2.54/2.69	.261	0.118
MS9955-124	1.225/1.249	31.12/31.73	.100/.106	2.54/2.69	.274	0.124
MS9955-125	1.287/1.311	32.69/33.30	.100/.106	2.54/2.69	.286	0.130
MS9955-126	1.350/1.374	34.29/34.90	.100/.106	2.54/2.69	.299	0.136
MS9955-127	1.412/1.436	35.87/36.47	.100/.106	2.54/2.69	.312	0.142
MS9955-128	1.475/1.499	37.47/38.08	.100/.106	2.54/2.69	.324	0.147
MS9955-129	1.534/1.564	38.96/39.73	.100/.106	2.54/2.69	.337	0.153
MS9955-130	1.597/1.627	40.56/41.33	.100/.106	2.54/2.69	.350	0.159
MS9955-131	1.659/1.689	42.14/42.90	.100/.106	2.54/2.69	.363	0.165
MS9955-132	1.722/1.752	43.74/44.50	.100/.106	2.54/2.69	.376	0.171
MS9955-133	1.784/1.814	45.31/46.08	.100/.106	2.54/2.69	.388	0.176
MS9955-134	1.847/1.877	46.91/47.68	.100/.106	2.54/2.69	.401	0.182
MS9955-135	1.908/1.942	48.46/49.33	.100/.106	2.54/2.69	.414	0.188
MS9955-136	1.970/2.004	50.04/50.90	.100/.106	2.54/2.69	.427	0.194
MS9955-137	2.033/2.067	51.64/52.50	.100/.106	2.54/2.69	.440	0.200
MS9955-138	2.095/2.129	53.21/54.08	.100/.106	2.54/2.69	.452	0.205
MS9955-139	2.158/2.192	54.81/55.68	.100/.106	2.54/2.69	.465	0.211
MS9955-140	2.220/2.254	56.39/57.25	.100/.106	2.54/2.69	.477	0.217
MS9955-141	2.280/2.320	57.91/58.93	.100/.106	2.54/2.69	.491	0.223
MS9955-142	2.342/2.382	59.49/60.50	.100/.106	2.54/2.69	.503	0.228
MS9955-143	2.405/2.445	61.09/62.10	.100/.106	2.54/2.69	.516	0.234
MS9955-144	2.467/2.507	62.66/63.68	.100/.106	2.54/2.69	.529	0.240
MS9955-145	2.530/2.570	64.26/65.28	.100/.106	2.54/2.69	.541	0.246
MS9955-146	2.592/2.632	65.84/66.85	.100/.106	2.54/2.69	.555	0.252
MS9955-147	2.653/2.697	67.39/68.50	.100/.106	2.54/2.69	.567	0.257
MS9955-148	2.715/2.759	68.96/70.08	.100/.106	2.54/2.69	.580	0.263
MS9955-149	2.778/2.822	70.56/71.68	.100/.106	2.54/2.69	.593	0.269
MS9955-150	2.840/2.884	72.14/73.25	.100/.106	2.54/2.69	.605	0.275

Table 1 - Part numbers and dimensions (continued)

Part Number	Ø ID	Ø ID	ØW	ØW	Approx Mass	
	Inches	mm	Inches	mm	LB/100	KG/100
MS9955-151	2.963/3.011	75.26/ 76.48	.100/.106	2.54/2.69	.631	0.286
MS9955-152	3.213/3.261	81.61/ 82.83	.100/.106	2.54/2.69	.682	0.310
MS9955-153	3.463/3.511	87.96/ 89.18	.100/.106	2.54/2.69	.733	0.333
MS9955-154	3.709/3.765	94.21/ 95.63	.100/.106	2.54/2.69	.784	0.356
MS9955-155	3.959/4.015	100.56/101.98	.100/.106	2.54/2.69	.835	0.379
MS9955-156	4.207/4.267	106.86/108.38	.100/.106	2.54/2.69	.886	0.402
MS9955-157	4.457/4.517	113.21/114.73	.100/.106	2.54/2.69	.938	0.426
MS9955-158	4.707/4.767	119.56/121.08	.100/.106	2.54/2.69	.988	0.449
MS9955-159	4.952/5.022	125.78/127.56	.100/.106	2.54/2.69	1.039	0.472
MS9955-160	5.202/5.272	132.13/133.91	.100/.106	2.54/2.69	1.090	0.495
MS9955-161	5.452/5.522	138.48/140.26	.100/.106	2.54/2.69	1.141	0.518
MS9955-162	5.702/5.772	144.83/146.61	.100/.106	2.54/2.69	1.193	0.542
MS9955-163	5.952/6.022	151.18/152.96	.100/.106	2.54/2.69	1.243	0.564
MS9955-164	6.197/6.277	157.40/159.44	.100/.106	2.54/2.69	1.293	0.587
MS9955-165	6.447/6.527	163.75/165.79	.100/.106	2.54/2.69	1.345	0.611
MS9955-166	6.697/6.777	170.10/172.14	.100/.106	2.54/2.69	1.395	0.633
MS9955-167	6.947/7.027	176.45/178.49	.100/.106	2.54/2.69	1.446	0.656
MS9955-168	7.192/7.282	182.68/184.96	.100/.106	2.54/2.69	1.498	0.680
MS9955-169	7.442/7.532	189.03/191.31	.100/.106	2.54/2.69	1.548	0.703
MS9955-170	7.692/7.782	195.38/197.66	.100/.106	2.54/2.69	1.600	0.726
MS9955-171	7.942/8.032	201.73/204.01	.100/.106	2.54/2.69	1.650	0.749
MS9955-172	8.187/8.287	207.95/210.49	.100/.106	2.54/2.69	1.701	0.772
MS9955-173	8.437/8.537	214.30/216.84	.100/.106	2.54/2.69	1.753	0.796
MS9955-174	8.687/8.787	220.65/223.19	.100/.106	2.54/2.69	1.803	0.819
MS9955-175	8.937/9.037	227.00/229.54	.100/.106	2.54/2.69	1.854	0.842
MS9955-176	9.182/9.292	233.22/236.02	.100/.106	2.54/2.69	1.906	0.865
MS9955-177	9.432/9.542	239.57/242.37	.100/.106	2.54/2.69	1.956	0.888
MS9955-178	9.682/9.792	245.92/248.72	.100/.106	2.54/2.69	2.008	0.912
MS9955-201	.166/ .176	4.22/ 4.47	.135/.143	3.43/3.63	.115	0.052
MS9955-202	.229/ .239	5.82/ 6.07	.135/.143	3.43/3.63	.139	0.063
MS9955-203	.291/ .301	7.39/ 7.65	.135/.143	3.43/3.63	.161	0.073
MS9955-204	.354/ .364	8.99/ 9.25	.135/.143	3.43/3.63	.185	0.084
MS9955-205	.416/ .426	10.57/ 10.82	.135/.143	3.43/3.63	.208	0.094
MS9955-206	.479/ .489	12.17/ 12.42	.135/.143	3.43/3.63	.232	0.105
MS9955-207	.539/ .553	13.69/ 14.05	.135/.143	3.43/3.63	.255	0.116
MS9955-208	.600/ .618	15.24/ 15.70	.135/.143	3.43/3.63	.278	0.126
MS9955-209	.662/ .680	16.81/ 17.27	.135/.143	3.43/3.63	.301	0.137
MS9955-210	.724/ .744	18.39/ 18.90	.135/.143	3.43/3.63	.324	0.147
MS9955-211	.786/ .806	19.96/ 20.47	.135/.143	3.43/3.63	.348	0.158
MS9955-212	.849/ .869	21.56/ 22.07	.135/.143	3.43/3.63	.371	0.168
MS9955-213	.911/ .931	23.14/ 23.65	.135/.143	3.43/3.63	.394	0.179
MS9955-214	.974/ .994	24.74/ 25.25	.135/.143	3.43/3.63	.417	0.189
MS9955-215	1.036/1.056	26.31/ 26.82	.135/.143	3.43/3.63	.441	0.200
MS9955-216	1.097/1.121	27.86/ 28.47	.135/.143	3.43/3.63	.464	0.211
MS9955-217	1.159/1.183	29.44/ 30.05	.135/.143	3.43/3.63	.487	0.221
MS9955-218	1.222/1.246	31.04/ 31.65	.135/.143	3.43/3.63	.512	0.232
MS9955-219	1.284/1.308	32.61/ 33.22	.135/.143	3.43/3.63	.534	0.242
MS9955-220	1.347/1.371	34.21/ 34.82	.135/.143	3.43/3.63	.557	0.253

Table 1 - Part numbers and dimensions (continued)

Part Number	Ø ID	Ø ID	ØW	ØW	Approx Mass	
	Inches	mm	Inches	mm	LB/100	KG/100
MS9955-221	1.409/1.433	35.79/ 36.40	.135/.143	3.43/3.63	.580	0.263
MS9955-222	1.469/1.499	37.31/ 38.08	.135/.143	3.43/3.63	.604	0.274
MS9955-223	1.594/1.624	40.49/ 41.25	.135/.143	3.43/3.63	.650	0.295
MS9955-224	1.719/1.749	43.66/ 44.42	.135/.143	3.43/3.63	.697	0.316
MS9955-225	1.841/1.877	46.76/ 47.68	.135/.143	3.43/3.63	.743	0.337
MS9955-226	1.966/2.002	49.94/ 50.85	.135/.143	3.43/3.63	.789	0.358
MS9955-227	2.091/2.127	53.11/ 54.03	.135/.143	3.43/3.63	.836	0.380
MS9955-228	2.214/2.254	56.24/ 57.25	.135/.143	3.43/3.63	.882	0.400
MS9955-229	2.339/2.379	59.41/ 60.43	.135/.143	3.43/3.63	.929	0.422
MS9955-230	2.464/2.504	62.59/ 63.60	.135/.143	3.43/3.63	.975	0.443
MS9955-231	2.589/2.629	65.76/ 66.78	.135/.143	3.43/3.63	1.022	0.464
MS9955-232	2.710/2.758	68.83/ 70.05	.135/.143	3.43/3.63	1.069	0.485
MS9955-233	2.835/2.883	72.01/ 73.23	.135/.143	3.43/3.63	1.115	0.506
MS9955-234	2.960/3.008	75.18/ 76.40	.135/.143	3.43/3.63	1.161	0.527
MS9955-235	3.085/3.133	78.36/ 79.58	.135/.143	3.43/3.63	1.207	0.548
MS9955-236	3.210/3.258	81.53/ 82.75	.135/.143	3.43/3.63	1.254	0.569
MS9955-237	3.335/3.383	84.71/ 85.93	.135/.143	3.43/3.63	1.301	0.591
MS9955-238	3.460/3.508	87.88/ 89.10	.135/.143	3.43/3.63	1.347	0.612
MS9955-239	3.581/3.637	90.96/ 92.38	.135/.143	3.43/3.63	1.394	0.633
MS9955-240	3.706/3.762	94.13/ 95.56	.135/.143	3.43/3.63	1.440	0.654
MS9955-241	3.831/3.887	97.31/ 98.73	.135/.143	3.43/3.63	1.487	0.675
MS9955-242	3.956/4.012	100.48/101.91	.135/.143	3.43/3.63	1.533	0.696
MS9955-243	4.081/4.137	103.66/105.08	.135/.143	3.43/3.63	1.580	0.717
MS9955-244	4.204/4.264	106.78/108.31	.135/.143	3.43/3.63	1.626	0.738
MS9955-245	4.329/4.389	109.96/111.48	.135/.143	3.43/3.63	1.672	0.759
MS9955-246	4.454/4.514	113.13/114.66	.135/.143	3.43/3.63	1.719	0.780
MS9955-247	4.579/4.639	116.31/117.83	.135/.143	3.43/3.63	1.766	0.802
MS9955-248	4.704/4.764	119.48/121.01	.135/.143	3.43/3.63	1.812	0.823
MS9955-249	4.824/4.894	122.53/124.31	.135/.143	3.43/3.63	1.859	0.844
MS9955-250	4.949/5.019	125.71/127.48	.135/.143	3.43/3.63	1.905	0.865
MS9955-251	5.074/5.144	128.88/130.66	.135/.143	3.43/3.63	1.952	0.886
MS9955-252	5.199/5.269	132.06/133.83	.135/.143	3.43/3.63	2.000	0.908
MS9955-253	5.324/5.394	135.23/137.01	.135/.143	3.43/3.63	2.044	0.928
MS9955-254	5.449/5.519	138.41/140.18	.135/.143	3.43/3.63	2.091	0.949
MS9955-255	5.574/5.644	141.58/143.36	.135/.143	3.43/3.63	2.137	0.970
MS9955-256	5.699/5.769	144.76/146.53	.135/.143	3.43/3.63	2.184	0.992
MS9955-257	5.824/5.894	147.93/149.71	.135/.143	3.43/3.63	2.223	1.009
MS9955-258	5.949/6.019	151.11/152.88	.135/.143	3.43/3.63	2.277	1.034
MS9955-259	6.194/6.274	157.33/159.36	.135/.143	3.43/3.63	2.370	1.076
MS9955-260	6.444/6.524	163.68/165.71	.135/.143	3.43/3.63	2.462	1.118
MS9955-261	6.694/6.774	170.03/172.06	.135/.143	3.43/3.63	2.555	1.160
MS9955-262	6.944/7.024	176.38/178.41	.135/.143	3.43/3.63	2.649	1.203
MS9955-263	7.189/7.279	182.60/184.89	.135/.143	3.43/3.63	2.742	1.245
MS9955-264	7.439/7.529	188.95/191.24	.135/.143	3.43/3.63	2.835	1.287
MS9955-265	7.689/7.779	195.30/197.59	.135/.143	3.43/3.63	2.927	1.329
MS9955-266	7.939/8.029	201.65/203.94	.135/.143	3.43/3.63	3.020	1.371
MS9955-267	8.184/8.284	207.87/210.41	.135/.143	3.43/3.63	3.114	1.414
MS9955-268	8.434/8.534	214.22/216.76	.135/.143	3.43/3.63	3.207	1.456
MS9955-269	8.684/8.784	220.57/223.11	.135/.143	3.43/3.63	3.300	1.498
MS9955-270	8.934/9.034	226.92/229.46	.135/.143	3.43/3.63	3.392	1.540

Table 1 - Part numbers and dimensions (continued)

Part Number	Ø ID		ØW		Approx Mass	
	Inches	mm	Inches	mm	LB/100	KG/100
MS9955-271	9.179/ 9.289	233.15/235.94	.135/.143	3.43/3.63	3.485	1.582
MS9955-272	9.429/ 9.539	239.50/242.29	.135/.143	3.43/3.63	3.579	1.625
MS9955-273	9.679/ 9.789	245.85/248.64	.135/.143	3.43/3.63	3.671	1.667
MS9955-274	9.929/ 1.039	252.20/254.99	.135/.143	3.43/3.63	3.764	1.709
MS9955-275	1.429/ 1.539	264.90/267.69	.135/.143	3.43/3.63	3.950	1.793
MS9955-276	1.919/11.049	277.34/280.65	.135/.143	3.43/3.63	4.136	1.878
MS9955-277	11.419/11.549	290.04/293.35	.135/.143	3.43/3.63	4.322	1.962
MS9955-278	11.919/12.049	302.74/306.05	.135/.143	3.43/3.63	4.508	2.047
MS9955-279	12.919/13.049	328.14/331.45	.135/.143	3.43/3.63	4.880	2.216
MS9955-280	13.919/14.049	353.54/356.85	.135/.143	3.43/3.63	5.252	2.384
MS9955-281	14.919/15.049	378.94/382.25	.135/.143	3.43/3.63	5.624	2.553
MS9955-282	15.880/16.030	403.35/407.16	.135/.143	3.43/3.63	5.987	2.718
MS9955-283	16.875/17.035	428.63/432.69	.135/.143	3.43/3.63	6.361	2.888
MS9955-284	17.870/18.040	453.90/458.22	.135/.143	3.43/3.63	6.729	3.055
MS9955-309	.407/ .417	10.34/ 10.59	.205/.215	5.21/5.46	.528	0.240
MS9955-310	.470/ .480	11.94/ 12.19	.205/.215	5.21/5.46	.581	0.264
MS9955-311	.530/ .544	13.46/ 13.82	.205/.215	5.21/5.46	.634	0.288
MS9955-312	.591/ .609	15.01/ 15.47	.205/.215	5.21/5.46	.687	0.312
MS9955-313	.653/ .671	16.59/ 17.04	.205/.215	5.21/5.46	.740	0.336
MS9955-314	.715/ .735	18.16/ 18.67	.205/.215	5.21/5.46	.793	0.360
MS9955-315	.777/ .797	19.74/ 20.24	.205/.215	5.21/5.46	.846	0.384
MS9955-316	.840/ .860	21.34/ 21.84	.205/.215	5.21/5.46	.899	0.408
MS9955-317	.902/ .922	22.91/ 23.42	.205/.215	5.21/5.46	.952	0.432
MS9955-318	.965/ .985	24.51/ 25.02	.205/.215	5.21/5.46	1.005	0.456
MS9955-319	1.027/ 1.047	26.09/ 26.59	.205/.215	5.21/5.46	1.058	0.480
MS9955-320	1.088/ 1.112	27.64/ 28.25	.205/.215	5.21/5.46	1.112	0.505
MS9955-321	1.150/ 1.174	29.21/ 29.82	.205/.215	5.21/5.46	1.165	0.529
MS9955-322	1.213/ 1.237	30.81/ 31.42	.205/.215	5.21/5.46	1.218	0.553
MS9955-323	1.275/ 1.299	32.39/ 33.00	.205/.215	5.21/5.46	1.271	0.577
MS9955-324	1.338/ 1.362	33.99/ 34.60	.205/.215	5.21/5.46	1.324	0.601
MS9955-325	1.460/ 1.490	37.08/ 37.85	.205/.215	5.21/5.46	1.430	0.649
MS9955-326	1.585/ 1.615	40.26/ 41.02	.205/.215	5.21/5.46	1.537	0.698
MS9955-327	1.710/ 1.740	43.43/ 44.20	.205/.215	5.21/5.46	1.643	0.746
MS9955-328	1.835/ 1.865	46.61/ 47.37	.205/.215	5.21/5.46	1.749	0.794
MS9955-329	1.957/ 1.993	49.71/ 50.62	.205/.215	5.21/5.46	1.855	0.842
MS9955-330	2.082/ 2.118	52.88/ 53.80	.205/.215	5.21/5.46	1.961	0.890
MS9955-331	2.207/ 2.243	56.06/ 56.97	.205/.215	5.21/5.46	2.067	0.938
MS9955-332	2.332/ 2.368	59.23/ 60.15	.205/.215	5.21/5.46	2.173	0.987
MS9955-333	2.455/ 2.495	62.36/ 63.37	.205/.215	5.21/5.46	2.279	1.035
MS9955-334	2.580/ 2.620	65.53/ 66.55	.205/.215	5.21/5.46	2.385	1.083
MS9955-335	2.705/ 2.745	68.71/ 69.72	.205/.215	5.21/5.46	2.491	1.131
MS9955-336	2.830/ 2.870	71.88/ 72.90	.205/.215	5.21/5.46	2.597	1.179
MS9955-337	2.951/ 2.999	74.96/ 76.18	.205/.215	5.21/5.46	2.703	1.227
MS9955-338	3.076/ 3.124	78.13/ 79.35	.205/.215	5.21/5.46	2.810	1.276
MS9955-339	3.201/ 3.249	81.31/ 82.53	.205/.215	5.21/5.46	2.916	1.324
MS9955-340	3.326/ 3.374	84.48/ 85.70	.205/.215	5.21/5.46	3.022	1.372

Table 1 - Part numbers and dimensions (continued)

Part Number	Ø ID	Ø ID	ØW	ØW	Approx Mass	
	Inches	mm	Inches	mm	LB/100	KG/100
MS9955-341	3.451/ 3.499	87.66/ 88.88	.205/.215	5.21/5.46	3.128	1.420
MS9955-342	3.572/ 3.628	90.73/ 92.15	.205/.215	5.21/5.46	3.234	1.468
MS9955-343	3.697/ 3.753	93.90/ 95.33	.205/.215	5.21/5.46	3.340	1.516
MS9955-344	3.822/ 3.878	97.08/ 98.50	.205/.215	5.21/5.46	3.446	1.564
MS9955-345	3.947/ 4.003	100.25/101.68	.205/.215	5.21/5.46	3.552	1.613
MS9955-346	4.072/ 4.128	103.43/104.85	.205/.215	5.21/5.46	3.658	1.661
MS9955-347	4.195/ 4.255	106.55/108.08	.205/.215	5.21/5.46	3.764	1.709
MS9955-348	4.320/ 4.380	109.73/111.25	.205/.215	5.21/5.46	3.870	1.757
MS9955-349	4.445/ 4.505	112.90/114.43	.205/.215	5.21/5.46	3.976	1.805
MS9955-350	4.570/ 4.630	116.08/117.60	.205/.215	5.21/5.46	4.090	1.857
MS9955-351	4.695/ 4.755	119.25/120.78	.205/.215	5.21/5.46	4.196	1.905
MS9955-352	4.820/ 4.880	122.43/123.95	.205/.215	5.21/5.46	4.302	1.953
MS9955-353	4.938/ 5.012	125.43/127.31	.205/.215	5.21/5.46	4.409	2.002
MS9955-354	5.063/ 5.137	128.60/130.48	.205/.215	5.21/5.46	4.515	2.050
MS9955-355	5.188/ 5.262	131.78/133.66	.205/.215	5.21/5.46	4.621	2.098
MS9955-356	5.313/ 5.387	134.95/136.83	.205/.215	5.21/5.46	4.727	2.146
MS9955-357	5.438/ 5.512	138.13/140.01	.205/.215	5.21/5.46	4.834	2.195
MS9955-358	5.563/ 5.637	141.30/143.18	.205/.215	5.21/5.46	4.940	2.243
MS9955-359	5.688/ 5.762	144.48/146.36	.205/.215	5.21/5.46	5.046	2.291
MS9955-360	5.813/ 5.887	147.65/149.53	.205/.215	5.21/5.46	5.152	2.339
MS9955-361	5.938/ 6.012	150.83/152.71	.205/.215	5.21/5.46	5.259	2.388
MS9955-362	6.185/ 6.265	157.10/159.13	.205/.215	5.21/5.46	5.471	2.484
MS9955-363	6.435/ 6.515	163.45/165.48	.205/.215	5.21/5.46	5.684	2.581
MS9955-364	6.685/ 6.765	169.80/171.83	.205/.215	5.21/5.46	5.896	2.677
MS9955-365	6.935/ 7.015	176.15/178.18	.205/.215	5.21/5.46	6.109	2.773
MS9955-366	7.180/ 7.270	182.37/184.66	.205/.215	5.21/5.46	6.321	2.870
MS9955-367	7.430/ 7.520	188.72/191.01	.205/.215	5.21/5.46	6.536	2.967
MS9955-368	7.680/ 7.770	195.07/197.36	.205/.215	5.21/5.46	6.746	3.063
MS9955-369	7.930/ 8.020	201.42/203.71	.205/.215	5.21/5.46	6.959	3.159
MS9955-370	8.175/ 8.275	207.65/210.19	.205/.215	5.21/5.46	7.171	3.256
MS9955-371	8.425/ 8.525	214.00/216.54	.205/.215	5.21/5.46	7.384	3.352
MS9955-372	8.675/ 8.775	220.35/222.89	.205/.215	5.21/5.46	7.596	3.449
MS9955-373	8.925/ 9.025	226.70/229.24	.205/.215	5.21/5.46	7.809	3.545
MS9955-374	9.170/ 9.280	232.94/235.71	.205/.215	5.21/5.46	8.022	3.642
MS9955-375	9.420/ 9.530	239.27/242.06	.205/.215	5.21/5.46	8.234	3.738
MS9955-376	9.670/ 9.780	245.67/248.41	.205/.215	5.21/5.46	8.447	3.835
MS9955-377	9.920/10.030	251.97/254.76	.205/.215	5.21/5.46	8.660	3.932
MS9955-378	10.415/10.535	264.54/267.59	.205/.215	5.21/5.46	9.085	4.125
MS9955-379	10.915/11.035	277.24/280.29	.205/.215	5.21/5.46	9.510	4.318
MS9955-380	11.410/11.540	289.81/293.12	.205/.215	5.21/5.46	9.935	4.510
MS9955-381	11.910/12.040	302.51/305.82	.205/.215	5.21/5.46	10.360	4.703
MS9955-382	12.910/13.040	327.91/331.22	.205/.215	5.21/5.46	11.210	5.089
MS9955-383	13.905/14.045	353.19/356.74	.205/.215	5.21/5.46	12.060	5.475
MS9955-384	14.905/15.045	378.59/382.14	.205/.215	5.21/5.46	12.911	5.862
MS9955-385	15.880/16.030	403.35/407.16	.205/.215	5.21/5.46	13.744	6.240

Table 1 - Part numbers and dimensions (continued)

Part Number	Ø ID	Ø ID	ØW	ØW	APPROX MASS	
	Inches	mm	Inches	mm	LB/100	KG/100
MS9955-386	16.875/17.035	428.63/432.69	.205/.215	5.21/5.46	14.594	6.626
MS9955-387	17.870/18.040	453.90/458.22	.205/.215	5.21/5.46	15.444	7.012
MS9955-388	18.865/19.045	479.17/483.74	.205/.215	5.21/5.46	16.294	7.397
MS9955-389	19.860/20.050	504.44/509.27	.205/.215	5.21/5.46	17.144	7.783
MS9955-390	20.860/21.050	529.84/534.67	.205/.215	5.21/5.46	17.995	8.170
MS9955-391	21.855/22.055	555.12/560.20	.205/.215	5.21/5.46	18.845	8.556
MS9955-392	22.835/23.045	580.01/585.34	.205/.215	5.21/5.46	19.683	8.936
MS9955-393	23.830/24.050	605.28/610.87	.205/.215	5.21/5.46	20.533	9.322
MS9955-394	24.825/25.055	630.56/636.40	.205/.215	5.21/5.46	21.383	9.708
MS9955-395	25.820/26.060	655.83/661.92	.205/.215	5.21/5.46	22.233	10.094
MS9955-425	4.442/ 4.508	112.83/114.50	.269/.281	6.83/7.14	6.913	3.139
MS9955-426	4.567/ 4.633	116.00/117.68	.269/.281	6.83/7.14	7.096	3.222
MS9955-427	4.692/ 4.758	119.18/120.85	.269/.281	6.83/7.14	7.277	3.304
MS9955-428	4.817/ 4.883	122.35/124.03	.269/.281	6.83/7.14	7.459	3.386
MS9955-429	4.938/ 5.012	125.43/127.31	.269/.281	6.83/7.14	7.641	3.469
MS9955-430	5.063/ 5.137	128.60/130.48	.269/.281	6.83/7.14	7.823	3.552
MS9955-431	5.188/ 5.262	131.78/133.66	.269/.281	6.83/7.14	8.005	3.634
MS9955-432	5.313/ 5.387	134.95/136.83	.269/.281	6.83/7.14	8.187	3.717
MS9955-433	5.438/ 5.512	138.13/140.01	.269/.281	6.83/7.14	8.369	3.800
MS9955-434	5.563/ 5.637	141.30/143.18	.269/.281	6.83/7.14	8.550	3.882
MS9955-435	5.688/ 5.762	144.48/146.36	.269/.281	6.83/7.14	8.733	3.965
MS9955-436	5.813/ 5.887	147.65/149.53	.269/.281	6.83/7.14	8.915	4.047
MS9955-437	5.938/ 6.012	150.83/152.71	.269/.281	6.83/7.14	9.096	4.130
MS9955-438	6.185/ 6.265	157.10/159.13	.269/.281	6.83/7.14	9.461	4.295
MS9955-439	6.435/ 6.515	163.45/165.48	.269/.281	6.83/7.14	9.824	4.460
MS9955-440	6.685/ 6.765	169.80/171.83	.269/.281	6.83/7.14	10.188	4.625
MS9955-441	6.935/ 7.015	176.15/178.18	.269/.281	6.83/7.14	10.552	4.791
MS9955-442	7.180/ 7.270	182.37/184.66	.269/.281	6.83/7.14	10.916	4.956
MS9955-443	7.430/ 7.520	188.72/191.01	.269/.281	6.83/7.14	11.280	5.121
MS9955-444	7.680/ 7.770	195.07/197.36	.269/.281	6.83/7.14	11.644	5.286
MS9955-445	7.930/ 8.020	201.42/203.71	.269/.281	6.83/7.14	12.007	5.451
MS9955-446	8.420/ 8.530	213.87/216.66	.269/.281	6.83/7.14	12.735	5.782
MS9955-447	8.920/ 9.030	226.57/229.36	.269/.281	6.83/7.14	13.463	6.112
MS9955-448	9.420/ 9.530	239.27/242.06	.269/.281	6.83/7.14	14.191	6.443
MS9955-449	9.920/10.030	251.97/254.76	.269/.281	6.83/7.14	14.918	6.773
MS9955-450	10.415/10.535	264.54/267.59	.269/.281	6.83/7.14	15.646	7.103
MS9955-451	10.915/11.035	277.24/280.29	.269/.281	6.83/7.14	16.374	7.434
MS9955-452	11.415/11.535	289.94/292.99	.269/.281	6.83/7.14	17.102	7.764
MS9955-453	11.915/12.035	302.64/305.69	.269/.281	6.83/7.14	17.829	8.094
MS9955-454	12.415/12.535	315.34/318.39	.269/.281	6.83/7.14	18.557	8.425
MS9955-455	12.915/13.035	328.04/331.09	.269/.281	6.83/7.14	19.285	8.755
MS9955-456	13.405/13.545	340.49/344.04	.269/.281	6.83/7.14	20.012	9.085
MS9955-457	13.905/14.045	353.19/356.74	.269/.281	6.83/7.14	20.740	9.416
MS9955-458	14.405/14.545	365.89/369.44	.269/.281	6.83/7.14	21.468	9.746
MS9955-459	14.905/15.045	378.59/382.14	.269/.281	6.83/7.14	22.196	10.077
MS9955-460	15.405/15.545	391.29/394.84	.269/.281	6.83/7.14	22.923	10.407
MS9955-461	15.880/16.030	403.35/407.16	.269/.281	6.83/7.14	23.673	10.748
MS9955-462	16.380/16.530	416.05/419.86	.269/.281	6.83/7.14	24.402	11.079
MS9955-463	16.875/17.035	428.63/432.69	.269/.281	6.83/7.14	25.132	11.410
MS9955-464	17.370/17.540	441.20/445.52	.269/.281	6.83/7.14	25.861	11.741
MS9955-465	17.870/18.040	453.90/458.22	.269/.281	6.83/7.14	26.590	12.072