

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.

REV.
C

AS1738

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS1738C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

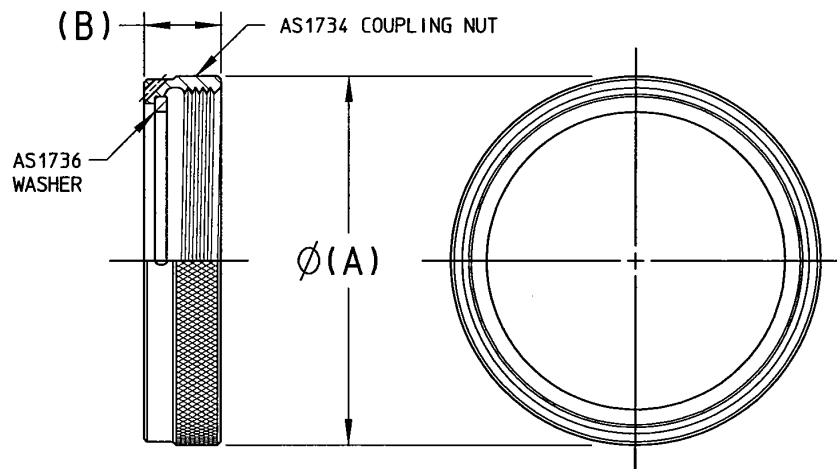


FIGURE 1 - TYPE I COUPLING NUT ASSEMBLY

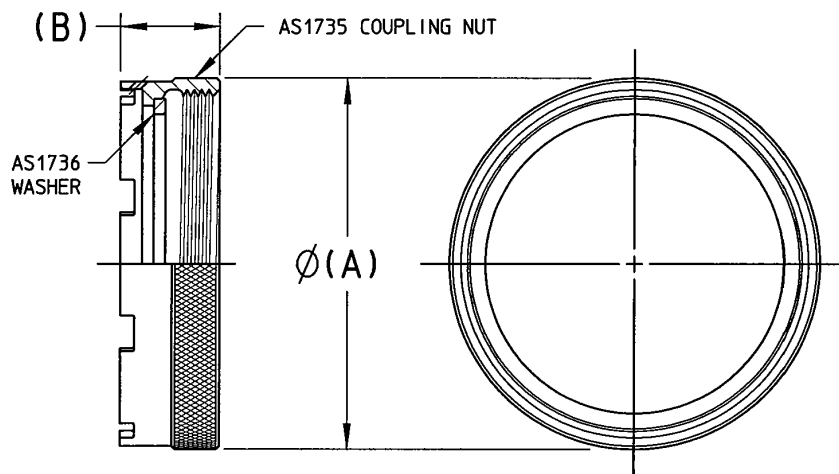
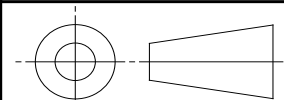


FIGURE 2 - TYPE II COUPLING NUT ASSEMBLY

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS1738C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3A

PROCUREMENT SPECIFICATION: /3/ AS1730



AEROSPACE STANDARD

NUT ASSEMBLY COUPLING, RIGID, FIXED CAVITY,
THREADED FERRULE TYPE TUBE ENDS

AS1738
SHEET 1 OF 3

REV.
C

Documents

Copyright 2015 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 – TYPE I NUT ASSEMBLIES

BASIC NO. AS1738-1 SIZE CODE /4/	TUBE SIZE	NUT PART NO.	WASHER PART NO.	(A MAX)	(B MAX)	ALUM WEIGHT LB/EA APPROX REF
04	.250	AS1734D04	AS1736-04	.829	.418	.009
05	.312	AS1734D05	AS1736-05	.892	.418	.009
06	.375	AS1734D06	AS1736-06	.954	.418	.010
08	.500	AS1734D08	AS1736-08	1.079	.418	.012
10	.625	AS1734D10	AS1736-10	1.214	.434	.015
12	.750	AS1734D12	AS1736-12	1.402	.434	.018
16	1.000	AS1734D16	AS1736-16	1.652	.434	.022
20	1.250	AS1734D20	AS1736-20	1.902	.494	.029
24	1.500	AS1734D24	AS1736-24	2.152	.509	.035
28	1.750	AS1734D28	AS1736-28	2.402	.509	.039
32	2.000	AS1734D32	AS1736-32	2.662	.509	.046
36	2.250	AS1734D36	AS1736-36	2.912	.570	.058
40	2.500	AS1734D40	AS1736-40	3.162	.570	.064
44	2.750	AS1734D44	AS1736-44	3.412	.570	.069
48	3.000	AS1734D48	AS1736-48	3.793	.570	.086
56	3.500	AS1734D56	AS1736-56	4.298	.570	.100
64	4.000	AS1734D64	AS1736-64	4.798	.570	.149
72	4.500	AS1734D72	AS1736-72	5.308	.688	.195
80	5.000	AS1734D80	AS1736-80	5.807	.688	.213

TABLE 2 – TYPE II NUT ASSEMBLIES

BASIC NO. AS1738-2 SIZE CODE /5/	TUBE SIZE	NUT PART NO.	WASHER PART NO.	(A MAX)	(B MAX)	ALUM WEIGHT LB/EA APPROX REF
04	.250	AS1735D04	AS1736-04	.829	.553	.010
05	.312	AS1735D05	AS1736-05	.892	.553	.010
06	.375	AS1735D06	AS1736-06	.954	.553	.012
08	.500	AS1735D08	AS1736-08	1.079	.553	.014
10	.625	AS1735D10	AS1736-10	1.214	.569	.017
12	.750	AS1735D12	AS1736-12	1.402	.569	.021
16	1.000	AS1735D16	AS1736-16	1.652	.569	.025
20	1.250	AS1735D20	AS1736-20	1.902	.629	.033
24	1.500	AS1735D24	AS1736-24	2.152	.644	.040
28	1.750	AS1735D28	AS1736-28	2.402	.644	.044
32	2.000	AS1735D32	AS1736-32	2.662	.644	.051
36	2.250	AS1735D36	AS1736-36	2.912	.705	.065
40	2.500	AS1735D40	AS1736-40	3.162	.705	.071
44	2.750	AS1735D44	AS1736-44	3.412	.705	.077
48	3.000	AS1735D48	AS1736-48	3.793	.705	.095
56	3.500	AS1735D56	AS1736-56	4.298	.705	.110
64	4.000	AS1735D64	AS1736-64	4.798	.705	.159
72	4.500	AS1735D72	AS1736-72	5.308	.823	.206
80	5.000	AS1735D80	AS1736-80	5.807	.823	.226

**AEROSPACE STANDARD**NUT ASSEMBLY COUPLING, RIGID, FIXED CAVITY,
THREADED FERRULE TYPE TUBE ENDSAS1738
SHEET 2 OF 3

REV. 6

**Documents**

Document Sharing Hub