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REV.
C

AS1738

FEDERAL SUPPLY CLASS
4730

RATIONALE

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

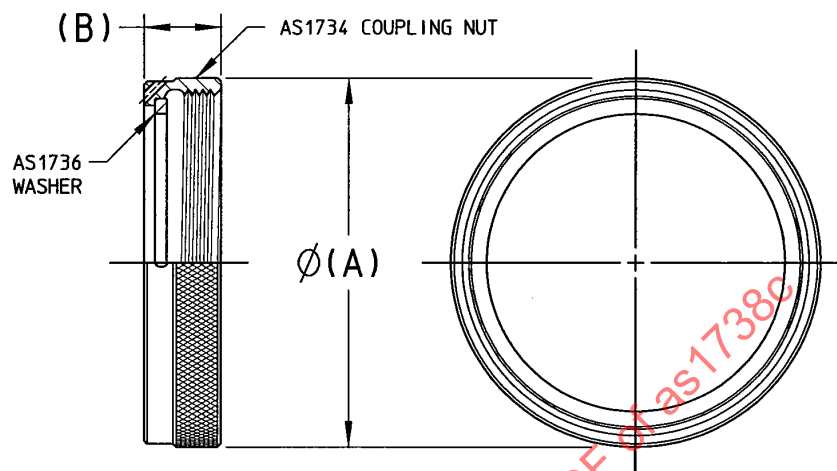


FIGURE 1 - TYPE I COUPLING NUT ASSEMBLY

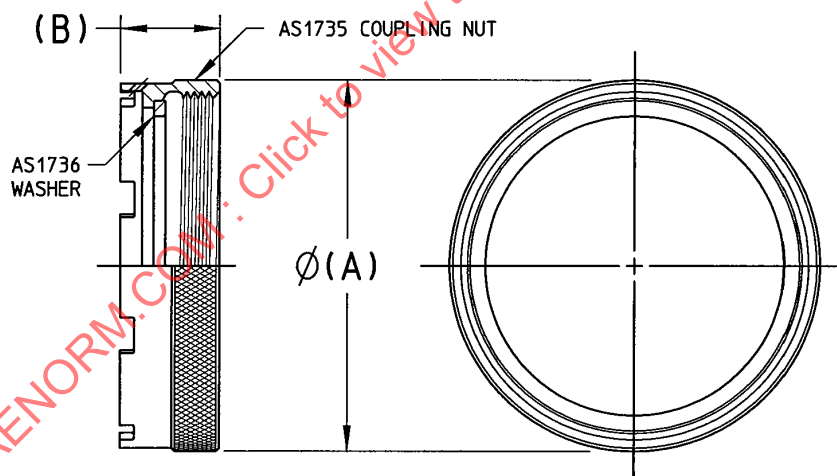
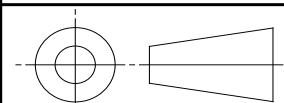


FIGURE 2 - TYPE II COUPLING NUT ASSEMBLY

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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.
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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 ENDS**AS1738**
SHEET 2 OF 3**REV.**
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