

REV.
A

AS1738

SAE Technical 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 the 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 reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

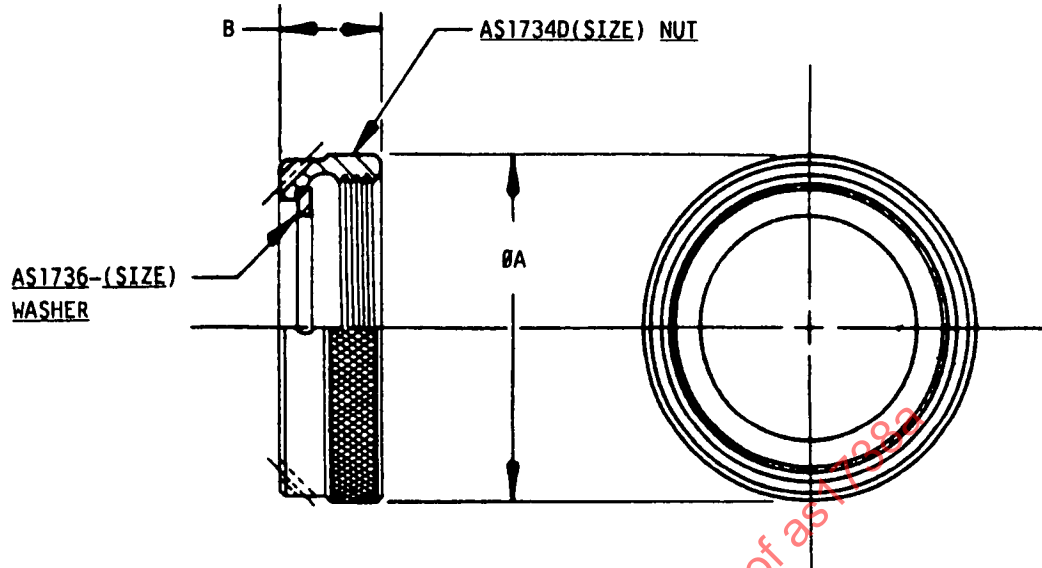


FIGURE 1 - TYPE I COUPLING NUT ASSEMBLY

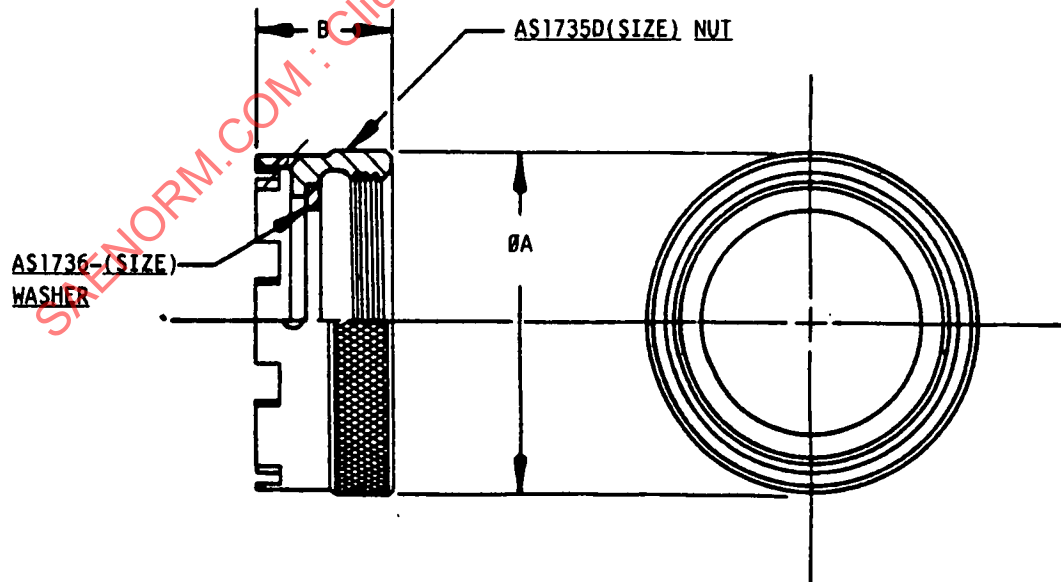


FIGURE 2 - TYPE II COUPLING NUT ASSEMBLY

CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION: AS1730

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space
INTERNATIONAL

400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

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

AS1738

SHEET 1 OF 4

REV.

A

ISSUED 1984-11 REVISED 1991-10-30

TABLE 1

AS1738-1 DASH NUMBER	TUBE SIZE (REF)	A DIA MAX (REF)	B MAX (REF)	AS1734 DASH NUMBER	AS1736 DASH NUMBER
04	.250	.829	.418	04	04
05	.312	.892	.418	05	05
06	.375	.954	.418	06	06
08	.500	1.079	.418	08	08
10	.625	1.214	.434	10	10
12	.750	1.402	.434	12	12
16	1.000	1.652	.434	16	16
20	1.250	1.902	.494	20	20
24	1.500	2.152	.509	24	24
28	1.750	2.402	.509	28	28
32	2.000	2.662	.509	32	32
36	2.250	2.912	.570	36	36
40	2.500	3.162	.570	40	40
44	2.750	3.412	.570	44	44
48	3.000	3.793	.570	48	48
56	3.500	4.298	.570	56	56
64	4.000	4.798	.570	64	64
72	4.500	5.308	.688	72	72
80	5.000	5.807	.688	80	80

REV.
A

AS1738

TABLE 2

AS1738-2 DASH NUMBER	TUBE SIZE (REF)	A DIA MAX (REF)	B MAX (REF)	AS1735 DASH NUMBER	AS1736 DASH NUMBER
04	.250	.829	.553	04	04
05	.312	.892	.553	05	05
06	.375	.954	.553	06	06
08	.500	1.079	.553	08	08
10	.625	1.214	.569	10	10
12	.750	1.402	.569	12	12
16	1.000	1.652	.569	16	16
20	1.250	1.902	.629	20	20
24	1.500	2.152	.629	20	20
28	1.750	2.402	.644	28	28
32	2.000	2.662	.644	32	32
36	2.250	2.912	.705	36	36
40	2.500	3.162	.705	40	40
44	2.750	3.422	.705	44	44
48	3.000	3.793	.705	48	48
56	3.500	4.298	.705	56	56
64	4.000	4.798	.705	64	64
72	4.500	5.308	.823	72	72
80	5.000	5.807	.823	80	80