

REV.
B

AS1735

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

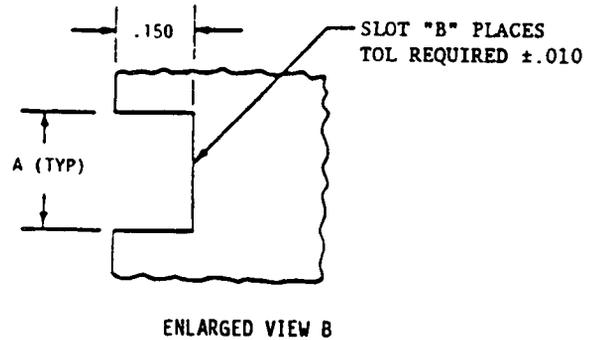
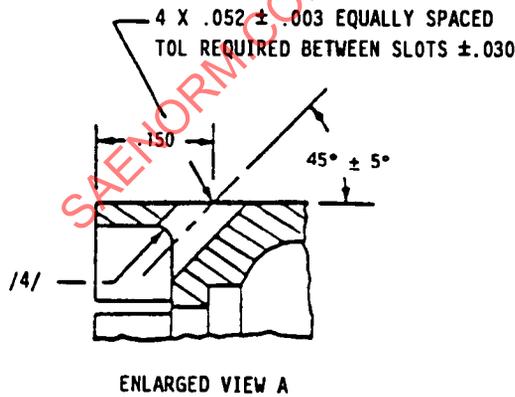
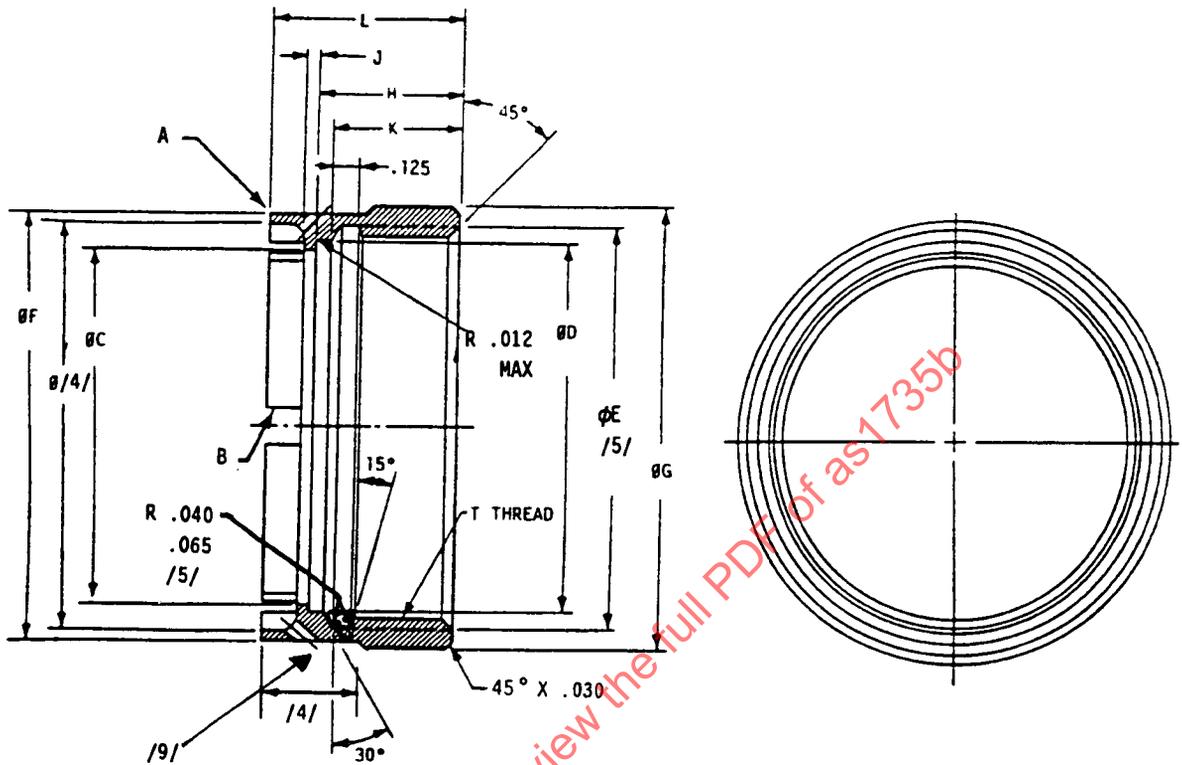


FIGURE 1 - NUT

CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION: /3/ /7/ AS1730

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

400 Commonwealth Drive, Warrendale, PA 15096 0001

AEROSPACE STANDARD

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

AS1735

SHEET 1 OF 4

REV.

B

ISSUED 1984-01 REVISED 1993-09-16 (B)

REV.
B

AS1735

TABLE 1 - NUT DIMENSIONS

BASIC NO. AS1735	THREAD						
SIZE CODE	(TUBE SIZE)	T PER H2B/2	A	B PLCS.	C +.005/- .000	D	D TOL
04	.250	.687-12 UN-2B	.187	4	.529	.583	+.002/- .000
05	.312	.750-12 UN-2B	.187	4	.580	.644	+.002/- .000
06	.375	.812-12 UN-2B	.187	4	.635	.689	+.002/- .000
08	.500	.937-12 UN-2B	.187	8	.762	.815	+.003/- .000
10	.625	1.062-12 UN-2B	.187	8	.900	.960	+.003/- .000
12	.750	1.250-12 UNF-2B	.187	8	1.033	1.128	+.003/- .000
16	1.000	1.500-12 UNF-2B	.187	8	1.284	1.386	+.003/- .000
20	1.250	1.750-12 UN-2B	.187	8	1.534	1.628	+.003/- .000
24	1.500	2.000-12 UN-2B	.250	8	1.783	1.878	+.003/- .000
28	1.750	2.250-12 UN-2B	.250	8	2.045	2.138	+.003/- .000
32	2.000	2.500-12 UN-2B	.250	8	2.292	2.382	+.003/- .000
36	2.250	2.750-12 UN-2B	.250	8	2.549	2.638	+.003/- .000
40	2.500	3.000-12 UN-2B	.250	8	2.800	2.888	+.003/- .000
44	2.750	3.250-12 UN-2B	.250	8	3.045	3.138	+.003/- .000
48	3.000	3.625-12 UN-2B	.250	8	3.395	3.513	+.004/- .000
56	3.500	4.125-12 UN-2B	.250	8	3.895	4.013	+.004/- .000
64	4.000	4.625-12 UN-2B	.250	8	4.395	4.513	+.004/- .000
72	4.500	5.125-12 UN-2B	.250	8	4.895	5.015	+.005/- .000
80	5.000	5.625-12 UN-2B	.250	8	5.378	5.500	+.005/- .000

REV.
B

AS1735

TABLE 2 - NUT DIMENSIONS AND WEIGHTS

BASIC NO. AS1735 SIZE CODE	E	F	G MAX	H +.010/-.000	J ±.015	K	L MAX	WEIGHT MAX LB
04	.691	.787	.829	.338	.065	.300	.553	.009
05	.753	.850	.892	.338	.065	.300	.553	.010
06	.816	.912	.954	.338	.065	.300	.553	.011
08	.941	1.037	1.079	.338	.065	.300	.553	.013
10	1.066	1.172	1.214	.354	.065	.315	.569	.015
12	1.253	1.360	1.402	.354	.065	.315	.569	.017
16	1.503	1.610	1.652	.354	.065	.315	.569	.029
20	1.753	1.860	1.902	.414	.065	.375	.629	.031
24	2.003	2.110	2.152	.429	.065	.375	.644	.033
28	2.253	2.360	2.402	.429	.065	.375	.644	.039
32	2.503	2.620	2.662	.429	.065	.375	.644	.046
36	2.753	2.870	2.912	.455	.100	.392	.705	.054
40	3.003	3.125	3.162	.455	.100	.392	.705	.057
44	3.253	3.370	3.412	.455	.100	.392	.705	.072
48	3.628	3.751	3.793	.455	.100	.392	.705	.087
56	4.128	4.256	4.298	.455	.100	.392	.705	.098
64	4.613	4.756	4.798	.455	.100	.392	.705	.111
72	5.113	5.266	5.308	.543	.130	.475	.823	.142
80	5.613	5.765	5.807	.543	.130	.475	.823	.146