

REV.
B

AS1735

FEDERAL SUPPLY CLASS

4730

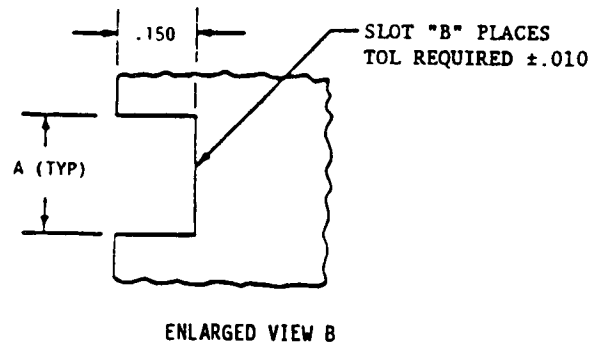
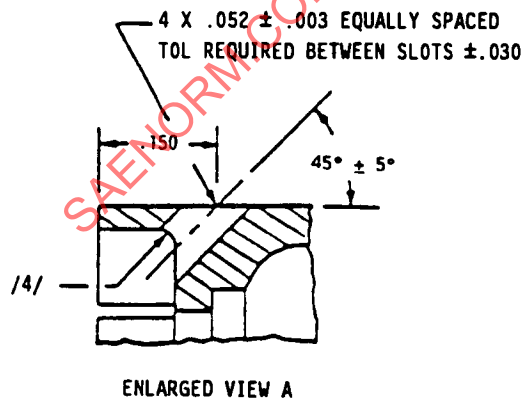
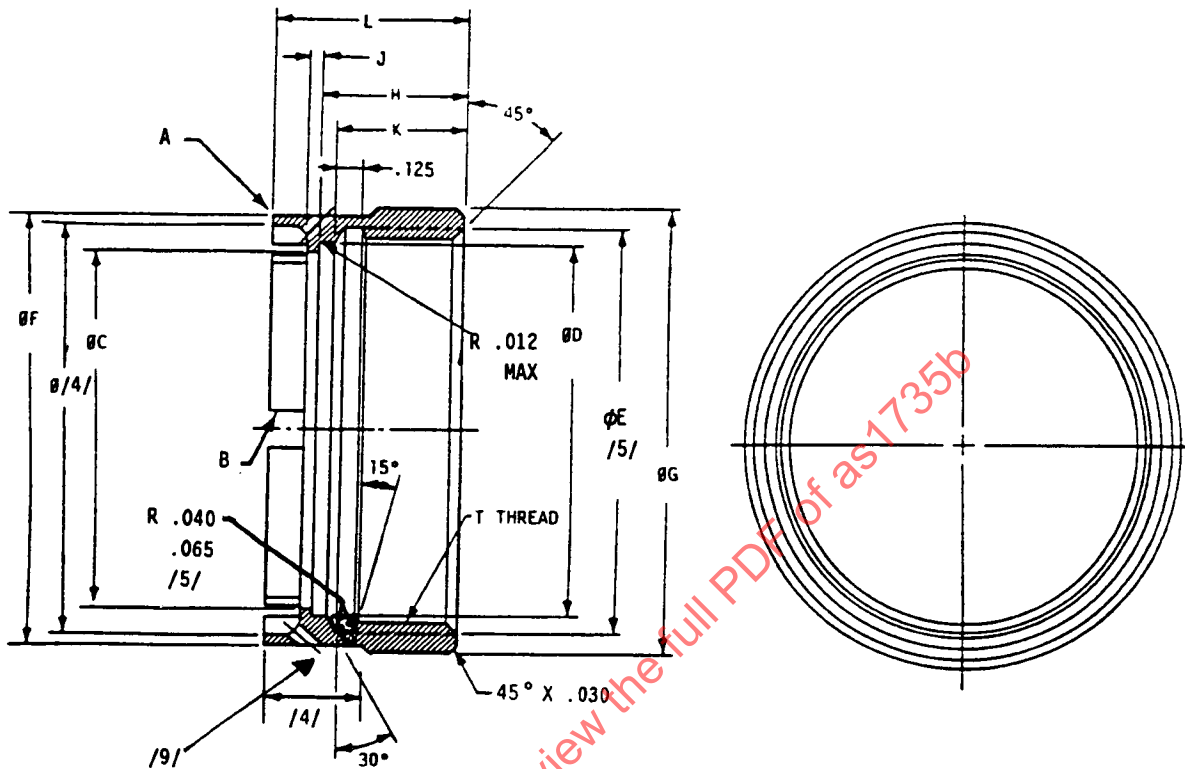


FIGURE 1 - NUT

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

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TABLE 1 - NUT DIMENSIONS

BASIC NO. AS1735		THREAD		B		C		D	
SIZE CODE	(TUBE SIZE)	T PER H2B/2	A	PLCS.	+.005/- .000	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		

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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