

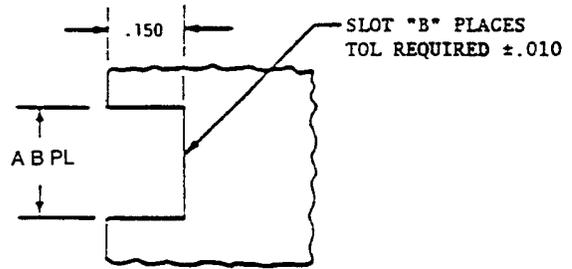
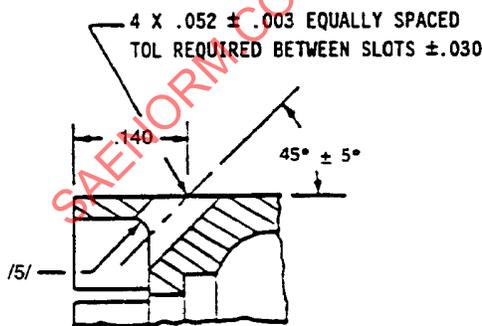
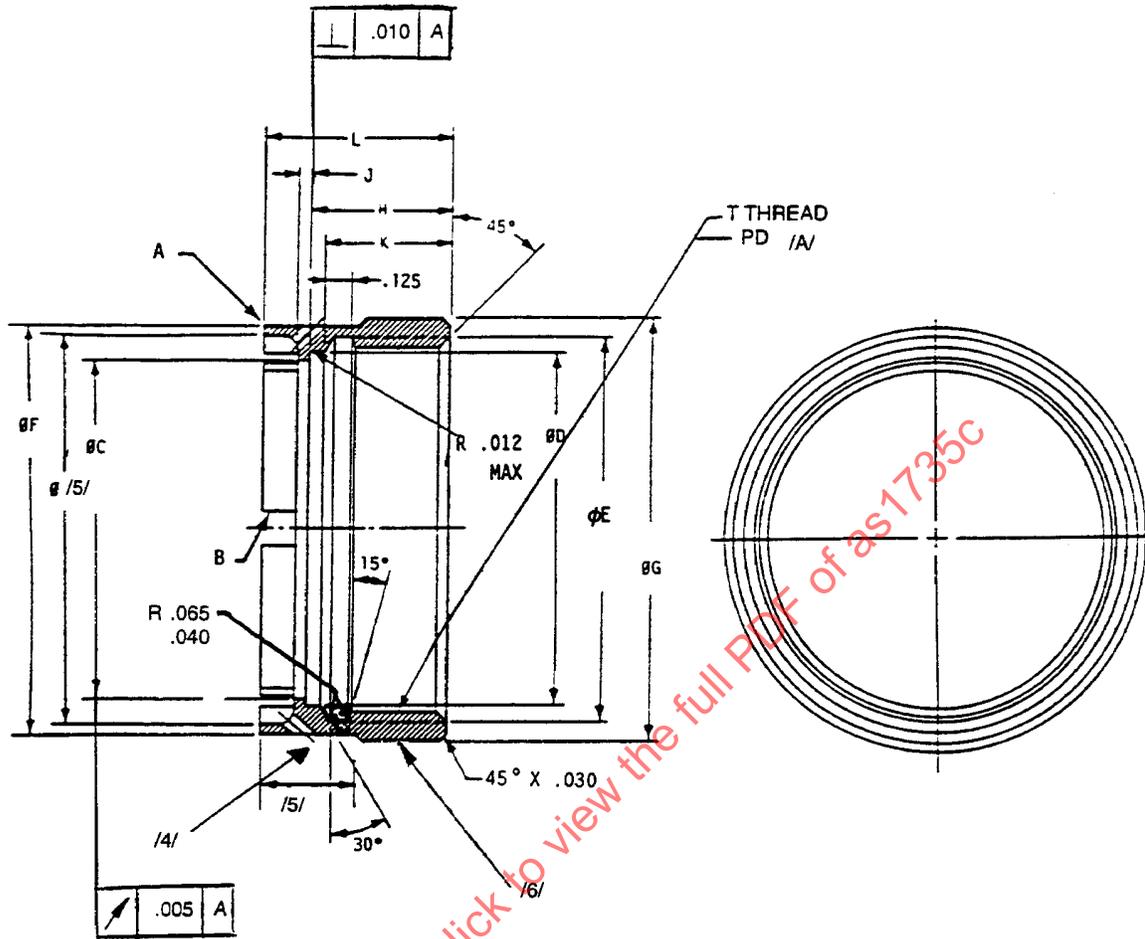
REV. C

AS1735

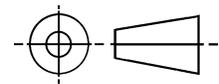
FEDERAL SUPPLY CLASS
4730

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.



THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION: /3/ /7/ AS1730

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

AS1735
SHEET 1 OF 4

REV. C

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.

SAEFORM.COM : Click to view the full PDF of as1735c

ISSUED 1984-01 REVISED 1995-09 REAFFIRMED 2007-09

REV.
C

TABLE 1 - NUT DIMENSIONS

BASIC NO.		THREAD T						
AS1735	SIZE	(TUBE	PER	B	C	D	D	
CODE	SIZE)	FED-STD-H28/2	A	PL	+0.005/-0.000	D	TOL	
04	.250	.687-12 UN-2B	.187	4	.529	.583	+0.002/-0.000	
05	.312	.750-12 UN-2B	.187	4	.580	.644	+0.002/-0.000	
06	.375	.812-12 UN-2B	.187	4	.635	.689	+0.002/-0.000	
08	.500	.937-12 UN-2B	.187	8	.762	.815	+0.003/-0.000	
10	.625	1.062-12 UN-2B	.187	8	.900	.960	+0.003/-0.000	
12	.750	1.250-12 UNF-2B	.187	8	1.033	1.128	+0.003/-0.000	
16	1.000	1.500-12 UNF-2B	.187	8	1.284	1.386	+0.003/-0.000	
20	1.250	1.750-12 UN-2B	.187	8	1.534	1.628	+0.003/-0.000	
24	1.500	2.000-12 UN-2B	.250	8	1.783	1.878	+0.003/-0.000	
28	1.750	2.250-12 UN-2B	.250	8	2.045	2.138	+0.003/-0.000	
32	2.000	2.500-12 UN-2B	.250	8	2.292	2.382	+0.003/-0.000	
36	2.250	2.750-12 UN-2B	.250	8	2.549	2.638	+0.003/-0.000	
40	2.500	3.000-12 UN-2B	.250	8	2.800	2.888	+0.003/-0.000	
44	2.750	3.250-12 UN-2B	.250	8	3.045	3.138	+0.003/-0.000	
48	3.000	3.625-12 UN-2B	.250	8	3.395	3.513	+0.004/-0.000	
56	3.500	4.125-12 UN-2B	.250	8	3.895	4.013	+0.004/-0.000	
64	4.000	4.625-12 UN-2B	.250	8	4.395	4.513	+0.004/-0.000	
72	4.500	5.125-12 UN-2B	.250	8	4.895	5.015	+0.005/-0.000	
80	5.000	5.625-12 UN-2B	.250	8	5.378	5.500	+0.005/-0.000	

REV.
C

AS1735

TABLE 2 - NUT DIMENSIONS AND WEIGHTS

BASIC NO. AS1735								
SIZE CODE	E	F	G MAX	H +.010/-0.000	J ±.015	K	L MAX	LB/EA MAX
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