

REV. F
AS1790

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.

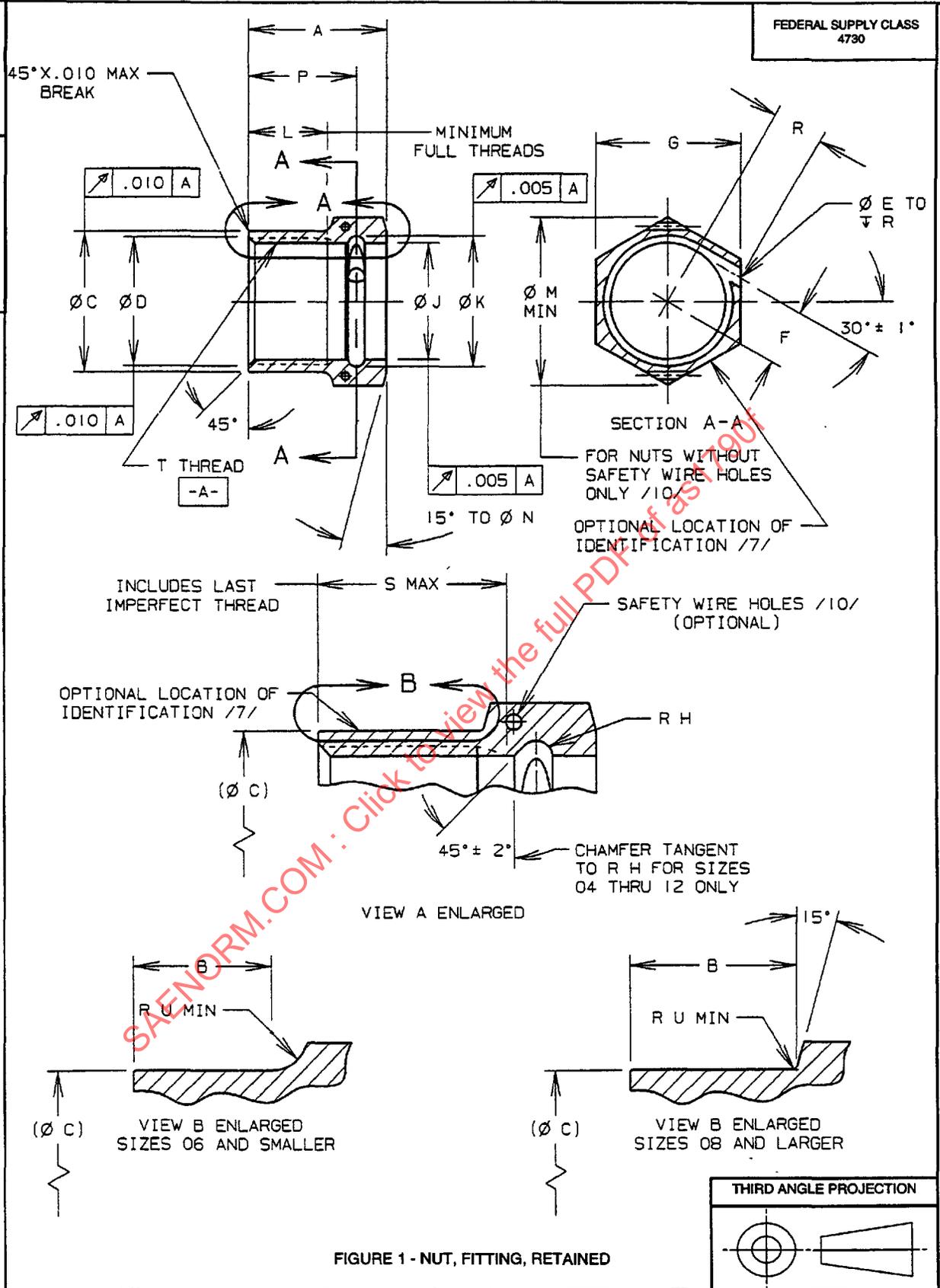


FIGURE 1 - NUT, FITTING, RETAINED

CUSTODIAN: SAE G-3/G-3B PROCUREMENT SPECIFICATION: /4/ MIL-F-18280

<p>The Engineering Society For Advancing Mobility Land Sea Air and Space INTERNATIONAL 400 Commonwealth Drive, Warrendale, PA 15096-0001</p>	AEROSPACE STANDARD		AS1790 SHEET 1 OF 3	REV. F
	(R) NUT, FITTING, RETAINED, LIGHTWEIGHT			

ISSUED 1983-03 REVISED 1985-12

REV. F

AS1790

TABLE 1A - DIMENSIONS A-E

BASIC NO. AS1790 /17/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER MIL-S-8879	A ±.010	B ±.010	C	D ±.010	E
02	.125	.3125-24UNJF-3B	.530	.288	.418	.331	.077
03	.188	.3750-24UNJF-3B	.580	.274	.480	.394	.077
04	.250	.4375-20UNJF-3B	.615	.258	.524	.456	.077
05	.312	.5000-20UNJF-3B	.687	.330	.587	.519	.086
06	.375	.5625-18UNJF-3B	.718	.361	.649	.581	.086
08	.500	.7500-16UNJF-3B	.843	.500	.842	.769	.101
10	.625	.8750-14UNJF-3B	.968	.625	.968	.894	.101
12	.750	1.0625-12UNJ-3B	1.015	.640	1.177	1.082	.131
14	.875	1.1875-12UNJ-3B	1.100	.725	1.302	1.208	.131
16	1.000	1.3125-12UNJ-3B	1.125	.750	1.427	1.332	.131
20	1.250	1.6250-12UNJ-3B	1.168	.778	1.740	1.645	.131
24	1.500	1.8750-12UNJ-3B	1.358	.920	2.055	1.895	.131
32	2.000	2.5000-12UNJ-3B	1.684	1.184	2.678	2.520	.131

TABLE 1B - DIMENSIONS F-L

BASIC NO. AS1790 /17/ SIZE CODE	F	G	H ±.001	J	K	L
02	.136	.428-.440	.038	.2719-.2799	.341-.347	.316
03	.167	.490-.502	.038	.3344-.3418	.401-.411	.362
04	.194	.552-.565	.038	.3888-.3970	.456-.466	.384
05	.224	.615-.628	.043	.4513-.4591	.526-.536	.406
06	.252	.678-.691	.043	.5084-.5166	.583-.593	.422
08	.341	.865-.878	.050	.6892-.6977	.776-.786	.487
10	.396	.990-1.003	.050	.8055-.8152	.891-.901	.586
12	.485	1.238-1.253	.065	.9814-.9914	1.097-1.107	.573
14	.549	1.363-1.380	.065	1.1064-1.1164	1.227-1.237	.573
16	.610	1.488-1.505	.065	1.2314-1.2414	1.347-1.357	.573
20	.766	1.800-1.817	.065	1.5439-1.5539	1.659-1.669	.573
24	.893	2.109-2.135	.065	1.7939-1.8039	1.912-1.922	.661
32	1.200	2.734-2.760	.065	2.4189-2.4289	2.537-2.547	.844

TABLE 1C - DIMENSIONS AND WEIGHTS

BASIC NO. AS1790 /17/ SIZE CODE	M /10/ ±.010	N ±.010	P ±.004	R ±.015	S	U	LB/100 MAX ALUM	LB/100 MAX CRES	LB/100 MAX TI
02	.495	.418	.430	.172	.369	.060	.300	.700	.400
03	.568	.480	.450	.190	.389	.060	.400	1.10	.700
04	.638	.542	.500	.210	.439	.060	.600	1.60	.900
05	.709	.605	.550	.230	.481	.060	.700	2.00	1.20
06	.780	.668	.573	.250	.505	.060	.900	2.50	1.40
08	.993	.855	.660	.306	.581	.060	1.40	4.10	2.40
10	1.120	.980	.762	.347	.693	.070	1.90	5.60	3.30
12	1.400	1.228	.780	.439	.691	.085	3.20	9.30	5.40
14	1.540	1.353	.850	.475	.751	.085	4.10	11.7	6.80
16	1.650	1.474	.875	.512	.776	.115	4.70	13.5	7.80
20	1.993	1.790	.959	.602	.860	.115	6.40	18.3	10.6
24	2.338	2.099	1.105	.710	1.006	.115	11.8	33.9	19.6
32	3.025	2.724	1.340	.893	1.241	.115	20.5	59.0	34.1



AEROSPACE STANDARD

(R) NUT, FITTING,
RETAINED, LIGHTWEIGHT

AS1790
SHEET 2 OF 3

REV. F