

REV.
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AS4370

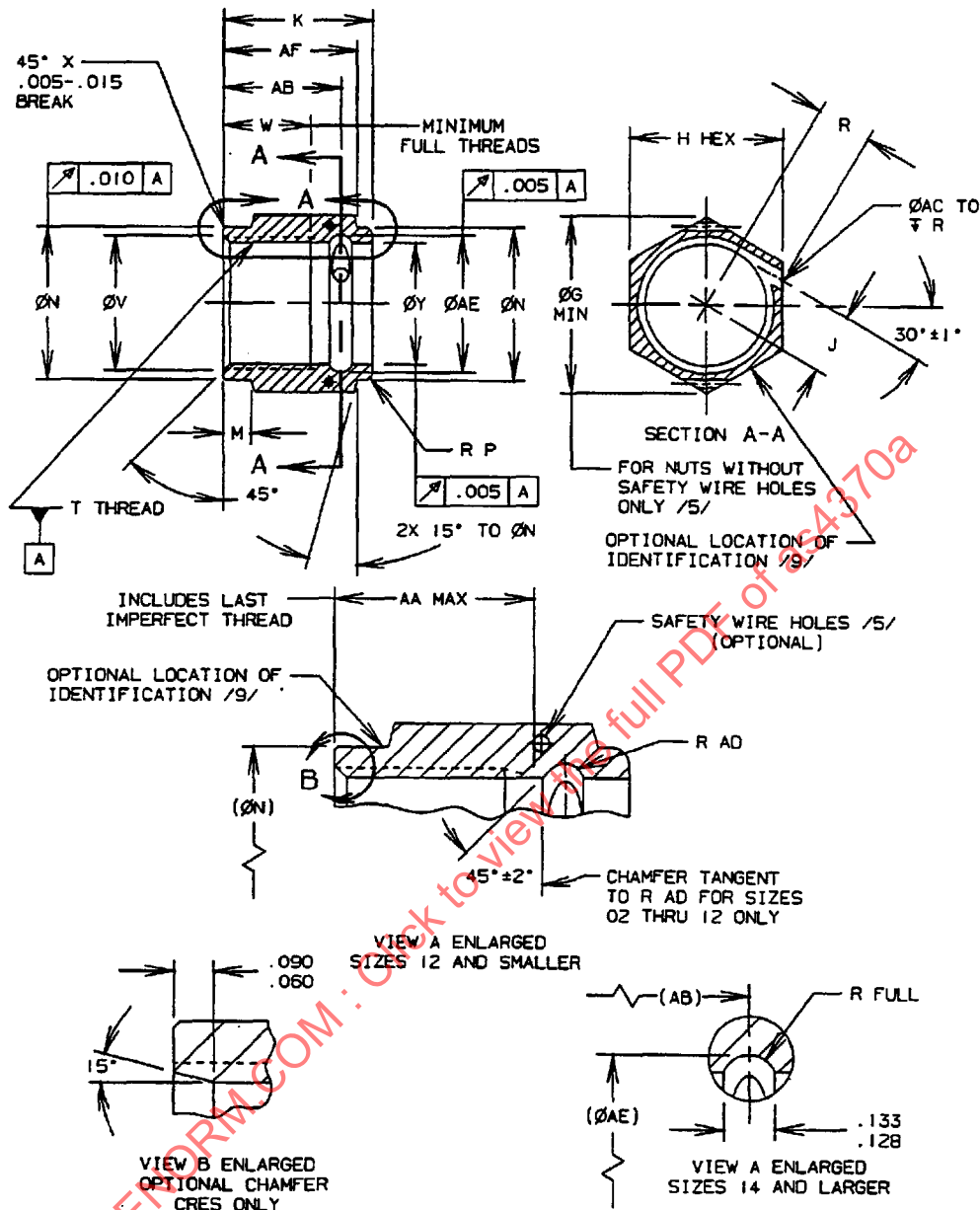
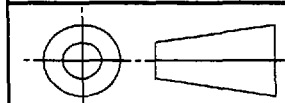
FEDERAL SUPPLY CLASS
4730

FIGURE 1 - NUT, FITTING, RETAINED

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /6/ AS4444

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

400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

(R) NUT, FITTING, RETAINED

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TABLE 1A - DIMENSIONS

BASIC NO. AS4370 /17/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER MIL-S-8879	H	J	K ±.010	M ±.015
02	.125	.3125-24 UNJF-3B	.428- .440	.136	.591	.109
03	.188	.3750-24 UNJF-3B	.490- .502	.167	.594	.141
04	.250	.4375-20 UNJF-3B	.552- .565	.194	.640	.125
05	.312	.5000-20 UNJF-3B	.615- .628	.224	.687	.125
06	.375	.5625-18 UNJF-3B	.678- .691	.252	.718	.156
08	.500	.7500-16 UNJF-3B	.865- .878	.341	.843	.156
10	.625	.8750-14 UNJF-3B	.990-1.003	.396	.968	.172
12	.750	1.0625-12 UNJ-3B	1.238-1.253	.485	1.015	.125
14	.875	1.1875-12 UNJ-3B	1.363-1.380	.549	1.134	.172
16	1.000	1.3125-12 UNJ-3B	1.488-1.505	.610	1.125	.219
20	1.250	1.6250-12 UNJ-3B	1.800-1.817	.766	1.218	.312
24	1.500	1.8750-12 UNJ-3B	2.109-2.135	.893	1.406	.359
32	2.000	2.5000-12 UNJ-3B	2.734-2.760	1.200	1.734	.438

TABLE 1B - DIMENSIONS

BASIC NO. AS4370 /17/ SIZE CODE	N	P ±.015	R ±.015	V ±.010	W	Y	AA	AB ±.004
02	.418	.025	.172	.331	.350	.2719- .2799	.401	.462
03	.480	.031	.190	.394	.378	.3344- .3418	.414	.475
04	.524	.031	.210	.456	.403	.3888- .3970	.439	.500
05	.587	.031	.230	.519	.401	.4513- .4591	.481	.550
06	.649	.047	.250	.581	.413	.5084- .5166	.505	.573
08	.842	.047	.306	.769	.484	.6892- .6977	.581	.660
10	.968	.047	.347	.894	.542	.8055- .8152	.693	.762
12	1.177	.062	.439	1.082	.537	.9814- .9914	.691	.780
14	1.302	.062	.475	1.208	.563	1.1064-1.1164	.768	.866
16	1.427	.077	.512	1.332	.563	1.2314-1.2414	.778	.875
20	1.740	.046	.602	1.645	.563	1.5439-1.5539	.862	.959
24	2.055	.093	.710	1.895	.661	1.7939-1.8039	1.008	1.105
32	2.678	.110	.893	2.520	.844	2.4189-2.4289	1.242	1.340

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TABLE 1C - DIMENSIONS AND WEIGHTS

BASIC NO. AS4370 /17/ SIZE CODE	AC	AD ±.001	AE	AF ±.010	LB/100 MAX ALUM	LB/100 MAX STEEL	LB/100 MAX TI
02	.077	.038	.341-.347	--	.196	1.94	1.07
03	.077	.038	.401-.501	.540	.777	2.23	1.23
04	.077	.038	.456-.466	.551	1.01	2.91	1.60
05	.086	.043	.526-.536	.609	1.26	3.62	2.00
06	.086	.043	.583-.593	.656	1.52	4.36	2.40
08	.101	.050	.776-.786	.754	2.49	7.15	3.94
10	.101	.050	.891-.901	.858	3.49	10.0	5.53
12	.131	.065	1.097-1.107	.875	6.25	17.9	9.90
14	.131	--	1.227-1.237	.923	7.63	21.9	12.1
16	.131	--	1.347-1.357	.983	8.58	24.6	13.6
20	.131	--	1.659-1.669	1.077	11.6	33.3	18.4
24	.131	--	1.912-1.922	1.234	19.2	55.0	30.4
32	.131	--	2.537-2.547	1.515	32.7	93.9	51.8

NOTES:

/1/ MATERIAL:

- NO CODE LETTER - TYPE 4130 CARBON STEEL BAR PER AMS 6370 OR MIL-S-6758.
- CODE LETTER D - TYPE 2024-T6 OR T851 ALUMINUM ALLOY BAR PER AMS 4112 OR QQ-A-225/6.
- CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL BAR PER AMS 5639 OR QQ-S-763.
- CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL BAR PER AMS 5648 OR QQ-S-763.
- CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL BAR PER AMS 5645 OR QQ-S-763.
- CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4928.
- CODE LETTER W - TYPE 7075-T73 OR T7351 ALUMINUM ALLOY BAR PER AMS 4124 OR QQ-A-225/9.

2. HEAT TREATMENT:

- NO MATERIAL CODE LETTER - NONE EXCEPT SEE PROCUREMENT SPECIFICATION.
- MATERIAL CODE LETTERS D AND W - NONE EXCEPT SEE PROCUREMENT SPECIFICATION.
- MATERIAL CODE LETTERS J, K, R, AND T - NONE.

/3/ FINISH:

- NO MATERIAL CODE LETTER - CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2, DYED BLACK, SEE PROCUREMENT SPECIFICATION.
- MATERIAL CODE LETTER D -
 - ANODIZE COLOR CODE LETTER B (FOR USE WITH FLARED FITTING ENDS) - ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, DYED BLUE AND DUPLEX SEALED.
 - ANODIZE COLOR CODE LETTER G (FOR USE WITH FLARELESS FITTING ENDS) - ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, DYED GREEN SIMILAR TO COLOR NO. 14187 OF FED-STD-595 AND DUPLEX SEALED.
- MATERIAL CODE LETTERS J, K, AND R - PASSIVATE PER QQ-P-35, TYPE VI OR VII. FOR TUBE SIZE CODES 16 THROUGH 32 COAT THE INSIDE OF THE NUTS WITH SOLID FILM LUBRICANT PER THE N CODE OF NOTE 4. THE SOLID FILM LUBRICANT CODE LETTER N SHALL BE USED FOR THESE SIZES; THE CODE X SHALL NOT BE USED.
- MATERIAL CODE LETTER T - ANODIZE PER AMS 2488 OR FLUORIDE PHOSPHATE COAT PER AMS 2486 EXCEPT SEE PROCUREMENT SPECIFICATION FOR COLOR MODIFICATION.
- MATERIAL CODE LETTER W - ANODIZE PER MIL-A-8625, TYPE II, CLASS 2, DYED BROWN SIMILAR TO COLOR NO. 10080 OF FED-STD-595 AND DUPLEX SEALED.

/4/ SOLID FILM LUBRICANT - SOLID FILM LUBRICANT CODE N PARTS SHALL HAVE THE INSIDE OF THE NUTS COATED WITH SOLID FILM LUBRICANT PER MIL-L-46010, TYPE I, MINOR OVERSPRAY ON THE OUTSIDE OF THE NUT IS PERMITTED. SOLID FILM LUBRICANT CODE X PARTS SHALL NOT BE COATED, EXCEPT THAT THE CODE X SHALL NOT BE USED FOR MATERIAL CODES J, K, AND R IN TUBE SIZE CODES 16 THROUGH 32.

/5/ SAFETY WIRE HOLES - FOR PARTS THAT REQUIRE SAFETY WIRE HOLES A CODE LETTER S SHALL BE ADDED AS THE LAST DIGIT IN THE PART NUMBER. SAFETY WIRE HOLES SHALL BE PER AS1043 STYLE A.

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