

REV.

SAE AS5234

RATIONALE

FEDERAL SUPPLY CLASS
4730

NEW PART STANDARD

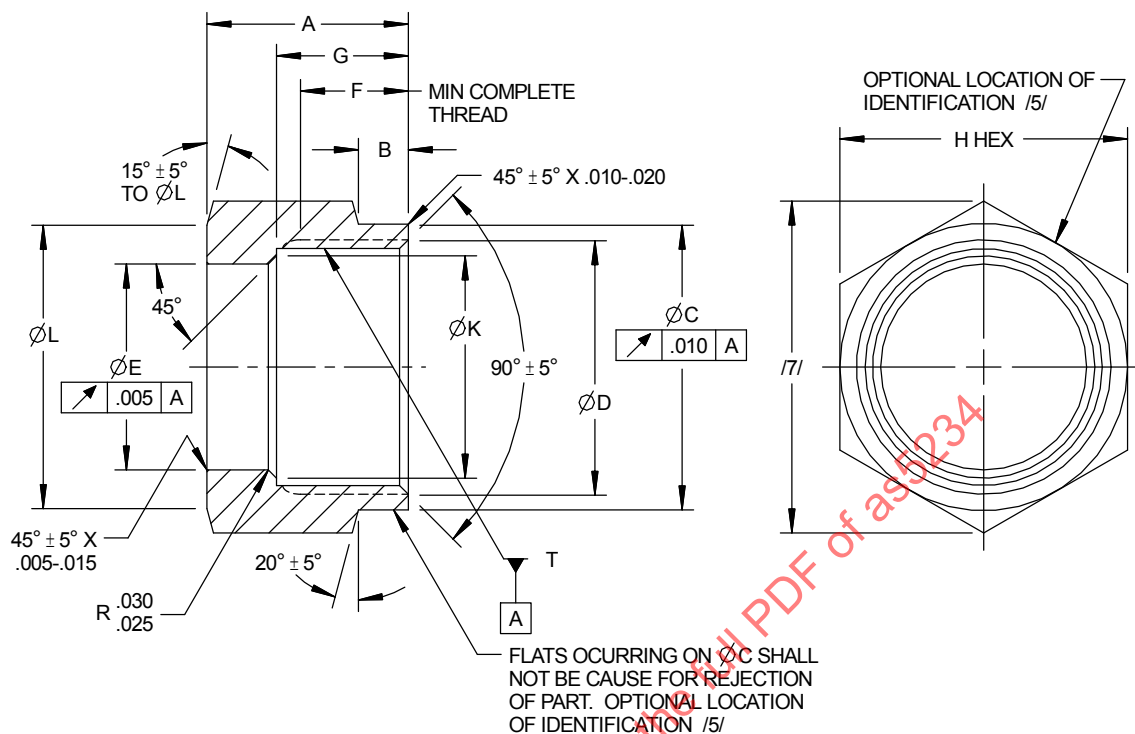
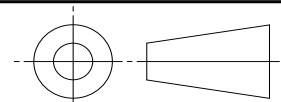


FIGURE 1 - NUT, FLARELESS

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5234>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS18280

SAE Aerospace
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AEROSPACE STANDARD

NUT, COUPLING
FLARELESS

SAE AS5234
SHEET 1 OF 4

REV.

TABLE 1A - DIMENSIONS A - F

BASIC NO. AS5234 /14/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3B	A	B	C ±.005	D ±.016	E +.005 -.000	F
02	.125	.3125-24 UNJF	.530	.140	.365	.328	.171	.360
03	.188	.3750-24 UNJF	.580	.100	.427	.391	.232	.366
04	.250	.4375-20 UNJF	.720	.180	.552	.453	.300	.431
05	.312	.5000-20 UNJF	.760	.180	.615	.516	.366	.444
06	.375	.5625-18 UNJF	.800	.180	.677	.578	.425	.422
08	.500	.7500-16 UNJF	.860	.180	.865	.766	.552	.516
10	.625	.8750-14 UNJF	.980	.220	.990	.891	.690	.578
12	.750	1.0625-12 UNJ	1.000	.240	1.240	1.078	.826	.562
14	.875	1.1875-12 UNJ	1.050	.250	1.358	1.204	.950	.562
16	1.000	1.3125-12 UNJ	1.050	.260	1.490	1.328	1.074	.562
20	1.250	1.6250-12 UNJ	1.050	.260	1.990	1.641	1.330	.562
24	1.500	1.8750-12 UNJ	1.030	.220	2.236	1.891	1.580	.562
32	2.000	2.5000-12 UNJ	1.120	.220	2.865	2.562	2.080	.562

TABLE 1B - DIMENSIONS G - L AND WEIGHTS

BASIC NO. AS5234 /14/ SIZE CODE	G	H	K	L	LB/EA APPROX REF AL	LB/EA APPROX REF STEEL	LB/EA APPROX REF TI	LB/EA APPROX REF CRES
02	.425	.365-.377	-	.355	.00326	.00943	.00533	.00963
03	.429	.428-.440	-	.418	.00468	.0135	.00764	.00138
04	.547	.552-.565	-	.542	.0108	.0312	.0177	.0319
05	.562	.615-.630	-	.605	.0133	.0384	.0217	.0395
06	.578	.678-.691	-	.668	.0162	.0469	.0265	.0479
08	.609	.865-.878	-	.855	.0258	.0744	.0421	.0760
10	.687	.990-1.003	-	.980	.0352	.102	.0574	.104
12	.687	1.238-1.253	-	1.228	.0606	.175	.0989	.179
14	.687	1.363-1.380	-	1.353	.0723	.210	.119	.214
16	.687	1.488-1.505	-	1.478	.0815	.235	.133	.240
20	.678	1.988-2.005	1.482	1.978	.171	.493	.279	.503
24	.678	2.234-2.260	1.731	2.224	.195	.564	.319	.576
32	.687	2.859-2.885	2.295	2.849	.314	.907	.513	.926

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

/1/ MATERIAL:

- a. DASH AS CODE LETTER - TYPE 4130 CARBON STEEL BAR PER AMS6370. /2/
- b. CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL BAR PER AMS5639.
- c. CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL BAR PER AMS5648.
- d. CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL BAR PER AMS5645.
- e. CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS4928.
- f. CODE LETTER V - TYPE 15-5PH CORROSION RESISTANT STEEL BAR PER AMS5659. /2/
- g. CODE LETTER W - TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9 OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS4124. /2/

2. HEAT TREATMENT:

- a. DASH AS MATERIAL CODE - SEE HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- b. MATERIAL CODE LETTER J, K, R AND T - NONE
- c. MATERIAL CODE LETTER V - HEAT TREAT TO CONDITION H-1075 PER AMS2759/3
- d. MATERIAL CODE LETTER W - SEE ELECTRICAL CONDUCTIVITY AND HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.

3. FINISH:

- a. DASH AS MATERIAL CODE - CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2 AND COAT WITH A LIGHT FILM OF OIL PER PROCUREMENT SPECIFICATION.
- b. MATERIAL CODE LETTER J, K AND R - PASSIVATE PER AMS2700, TYPE 6 OR 7.
- c. MATERIAL CODE LETTER T - ANODIZE PER AMS2488 OR FLUORIDE PHOSPHATE CONVERSION COAT PER AMS2486.
- d. MATERIAL CODE LETTER V:
 - (1) V CODE PARTS TO BE PASSIVATED ONLY WILL HAVE NO FINISH CODE LETTER AFTER THE SIZE CODE IN THE PART NUMBER. THE FINISH WILL BE: PASSIVATE PER AMS2700, TYPE 2 OR 8.
 - (2) V CODE PARTS TO BE CADMIUM PLATED ONLY WILL HAVE THE FINISH CODE LETTER "P" AFTER THE SIZE CODE IN THE PART NUMBER. THE FINISH WILL BE: CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
- e. MATERIAL CODE LETTER W - ANODIZE PER AMS2472 OR PER MIL-A-8625, TYPE II, CLASS 2 DYED BROWN, SIMILAR TO COLOR 10080 OF FED-STD-595.

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