FEDERAL SUPPLY CLASS
4730

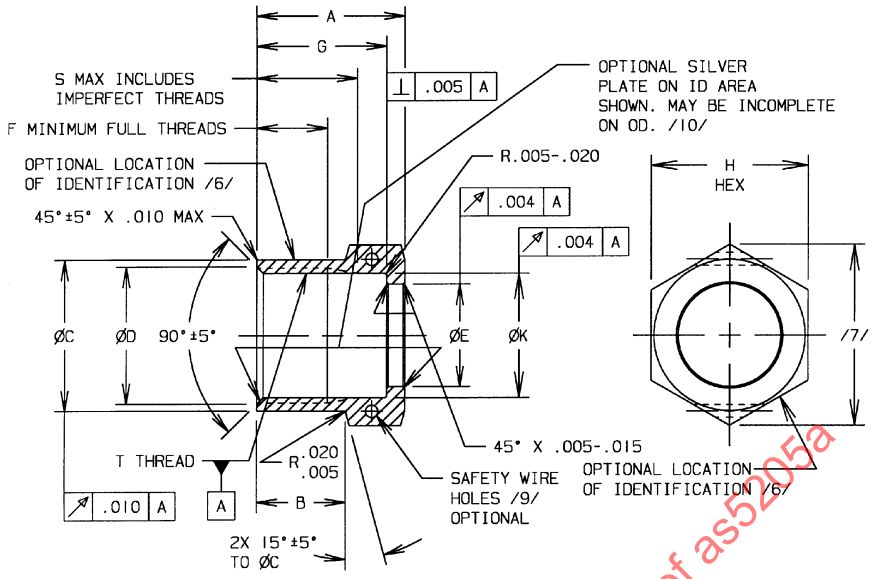


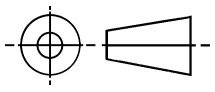
FIGURE 1 - NUT, FITTING

TABLE 1A - DIMENSIONS

BASIC NO. AS5205 /17/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3B	A	B	C ±.005	D ±.015	E +.003/-.000
02	.125	.3125-24 UNJF	.650	.435	.360	.317	.180
03	.188	.3750-24 UNJF	.667	.452	.423	.390	.242
04	.250	.4375-20 UNJF	.682	.467	.524	.453	.305
05	.312	.5000-20 UNJF	.690	.440	.587	.515	.374
06	.375	.5625-18 UNJF	.737	.467	.649	.577	.440
07	.438	.6250-18 UNJF	.763	.493	.740	.640	.502
08	.500	.7500-16 UNJF	.823	.493	.842	.765	.570
09	.562	.8125-16 UNJ	.823	.493	.927	.817	.634
10	.625	.8750-14 UNJF	.917	.572	.968	.890	.698
11	.688	1.0000-12 UNJF	.968	.588	1.155	1.015	.770
12	.750	1.0625-12 UNJ	.968	.588	1.177	1.077	.834
14	.875	1.1875-12 UNJ	1.015	.615	1.320	1.202	.961
16	1.000	1.3125-12 UNJF	1.062	.652	1.427	1.327	1.089
18	1.125	1.5000-12 UNJF	1.120	.680	1.620	1.515	1.217
20	1.250	1.6250-12 UNJ	1.167	.727	1.740	1.640	1.347
24	1.500	1.8750-12 UNJ	1.320	.880	1.995	1.890	1.617
28	1.750	2.2500-12 UNJ	1.370	.930	2.410	2.265	1.890
32	2.000	2.5000-12 UNJ	1.500	1.060	2.660	2.515	2.167
40	2.500	3.0000-12 UNJ	1.300	.860	3.200	3.015	2.667
48	3.000	3.5000-12 UNJ	1.350	.910	3.700	3.515	3.180

ISSUED 2000-08 REVISED 2002-05

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ AS4841

SAE The Engineering Society For Advancing Mobility Land Sea Air and Space®
INTERNATIONAL
400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

NUT, FITTING, ENGINE, FLARED

AS5205
SHEET 1 OF 3

REV. A

Printed in the U.S.A.

TO PLACE A DOCUMENT ORDER: (724) 776-4970 FAX: (724) 776-0790 SAE WEB ADDRESS: http://www.sae.org

TABLE 1B - DIMENSIONS AND WEIGHTS

BASIC NO. AS5205 /17/ SIZE CODE	F	G ±.005	H	K	S	LB/EA APPROX. REF CRES	LB/EA APPROX. REF NICKEL	LB/EA APPROX. REF TI
02	.300	.575	.365- .377	.272- .280	.425	.0171	.0174	.00939
03	.316	.592	.428- .440	.334- .342	.441	.0210	.0214	.0116
04	.332	.607	.552- .565	.388- .397	.482	.0251	.0256	.0138
05	.332	.610	.615- .628	.451- .459	.482	.0296	.0302	.0163
06	.367	.637	.678- .691	.508- .517	.535	.0323	.0330	.0178
07	.368	.663	.740- .753	.570- .579	.536	.0421	.0430	.0232
08	.383	.723	.865- .878	.689- .698	.569	.0581	.0593	.0320
09	.383	.723	.928- .941	.751- .760	.569	.0631	.0644	.0348
10	.453	.817	.990-1.003	.805- .815	.667	.0761	.0777	.0420
11	.488	.868	1.113-1.128	.918- .930	.738	.0976	.0996	.0538
12	.488	.868	1.238-1.253	.981- .991	.738	.119	.122	.0657
14	.515	.915	1.363-1.380	1.106-1.116	.765	.146	.149	.0803
16	.536	.962	1.488-1.505	1.231-1.241	.786	.163	.167	.0900
18	.550	.990	1.738-1.755	1.419-1.429	.800	.229	.234	.126
20	.560	1.017	1.800-1.817	1.544-1.554	.810	.233	.238	.129
24	.687	1.170	2.109-2.135	1.794-1.804	.937	.322	.329	.178
28	.695	1.170	2.484-2.510	2.169-2.179	.945	.468	.478	.258
32	.800	1.300	2.734-2.760	2.419-2.429	1.050	.552	.563	.305
40	.600	1.100	3.234-3.260	2.919-2.929	.850	.662	.676	.365
48	.650	1.150	3.796-3.822	3.419-3.429	.900	.850	.868	.469

NOTES:

/1/ MATERIAL:

a. CODE LETTER A - TYPE A-286 CORROSION RESISTANT STEEL BAR PER AMS 5737.
b. CODE LETTER N - TYPE 625 NICKEL ALLOY BAR PER AMS 5666.
c. CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS 5645.
d. CODE LETTER T - TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS 4928.
e. CODE LETTER Y - TYPE 718 NICKEL ALLOY BAR PER AMS 5663.

2. HEAT TREATMENT: NONE.

3. FINISH:

a. MATERIAL CODE LETTER A - FINISHED PARTS SHALL BE DEGREASED AND IMMERSED IN A SOLUTION OF 1 VOLUME OF NITRIC ACID (SP GR 1.42) AND 9 VOLUMES OF WATER AT ROOM TEMPERATURE FOR NOT LESS THAN 20 min. AFTER IMMERSION, PARTS SHALL BE RINSED IN CLEAN WATER AT 70 TO 200 °F. APPLY SOLID FILM LUBRICANT PER MIL-L-46010, TYPE I TO ALL SURFACES.
b. MATERIAL CODE LETTERS N AND Y - CLEAN PER MIL-S-5002.
c. MATERIAL CODE LETTER R - PASSIVATE PER AMS-QQ-P-35, TYPE VI OR VII.
d. MATERIAL CODE LETTER T - ANODIZE PER AMS 2488 OR FLUORIDE PHOSPHATE CONVERSION COAT PER AMS 2486 WITH COLOR PER PROCUREMENT SPECIFICATION.

/4/ PROCUREMENT SPECIFICATION: AS4841 EXCEPT AS SPECIFIED ON THIS STANDARD. THIS PART SHALL BE QUALIFIED TO THE PROCUREMENT SPECIFICATION IN A COMPLETE ASSEMBLY AS APPLICABLE. USERS OF THIS STANDARD SHALL PROCURE THIS PRODUCT FROM ACCREDITED MANUFACTURER(S), OR THEIR ACCREDITED DISTRIBUTOR(S), AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED MANUFACTURERS LIST (QML) FOR THIS TYPE OF PRODUCT.

5. INTENDED USE: THIS STANDARD IS THE FUNCTIONAL EQUIVALENT OF MS9197 AND MS9198 AND IS INTENDED TO BE SUITABLE AS A REPLACEMENT STANDARD.