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REV.
B

AS4203™

FEDERAL SUPPLY CLASS
4730

RATIONALE

GRAPHICS REDRAWN FOR IMPROVED CLARITY. OPTION FOR SAFETY WIRE HOLES ADDED. LIP DIAMETER G REMOVED FROM GRAPHICS AND TABLE 1 AS IT IS ALREADY SPECIFIED ON THE DESIGN STANDARD, AS4209. OUTDATED STANDARDS UPDATED TO CURRENT NOMENCLATURE. MARKING, NOTE /6/ REVISED TO INCLUDE PREFIX "AS" FOR SIES 06 AND SMALLER, TO REFLECT NORMAL PRACTICE ON ALL STANDARD PARTS. FLAGNOTE /15/ ADDED, STATING THE MANUFACTURER SHALL CONTROL AND BE RESPONSIBLE FOR FEATURES NOT DIMENSIONED ON THIS STANDARD. REVISION INDICATOR NOTE 16 ADDED.

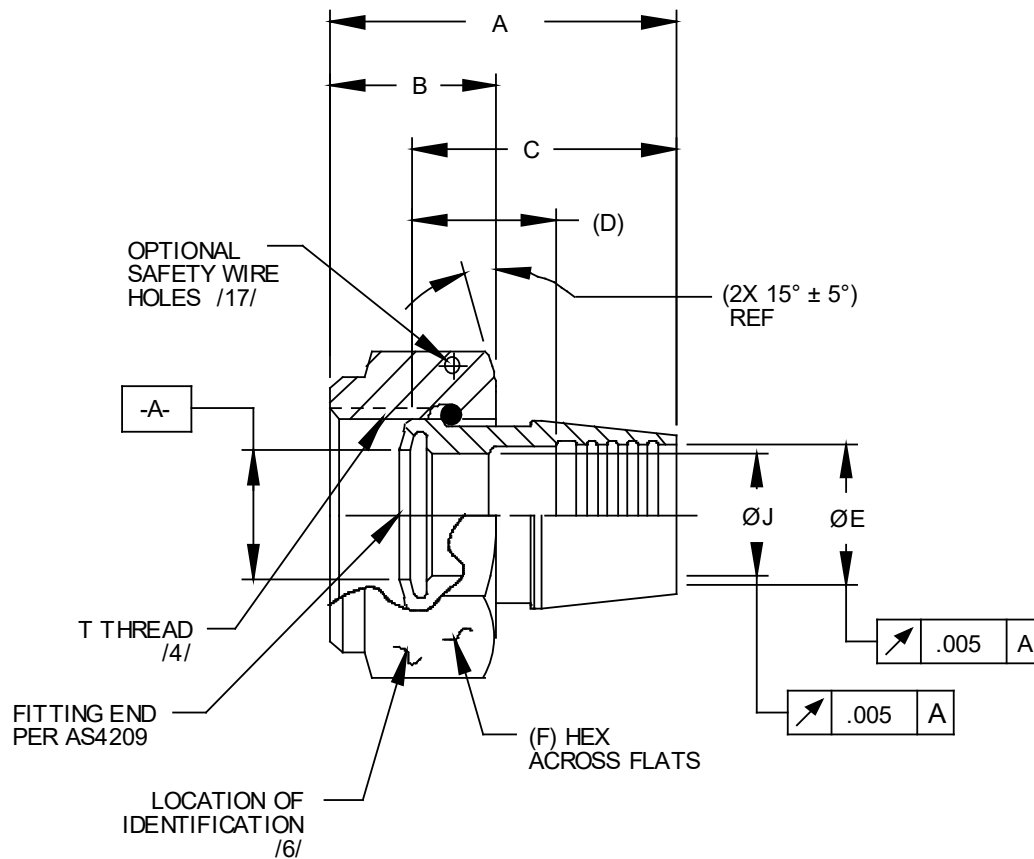
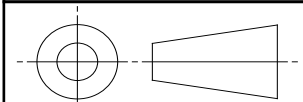


FIGURE 1 - FITTING ASSEMBLY /15/

For more information on this standard, visit
<https://www.sae.org/standards/content/AS4203B/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS85421 /5/



AEROSPACE STANDARD

FITTING, BEAM SEAL,
FEMALE TUBE END, INTERNAL SWAGE,
4000 PSI, HYDRAULIC

AS4203™
SHEET 1 OF 3

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Documents

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TABLE 1A - DIMENSIONS A-F

BASIC NUMBER AS4203 /13/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3B	A REF	B ±.010	C	D REF	E ±.002	F REF
03	.188	.3750-28 UNJS	.925	.420	.754	.429	.191	.500
04	.250	.4375-24 UNJS	1.013	.454	.807	.452	.255	.562
05	.312	.5000-24 UNJS	1.023	.459	.813	.458	.317	.625
06	.375	.5625-20 UNJS	1.066	.518	.833	.478	.380	.688
08	.500	.7188-20 UNJS	1.167	.510	.918	.488	.506	.875
10	.625	.8438-18 UNJS	1.361	.571	1.054	.549	.631	1.000
12	.750	1.0000-16 UNJ	1.444	.637	1.101	.596	.756	1.125
14	.875	1.1250-16 UNJ	1.563	.690	1.215	.630	.881	1.375
16	1.000	1.2500-14 UNJS	1.747	.745	1.381	.796	1.006	1.500
20	1.250	1.5781-14 UNJS	1.887	.812	1.518	.858	1.256	1.875
24 /7/	1.500	1.8438-14 UNJS	2.142	.914	1.693	.958	1.506	2.125

TABLE 1B - DIMENSION J AND WEIGHT

BASIC NUMBER AS4203 /13/ SIZE CODE	J	LB/EA MAX CRES	LB/EA MAX TI
03	.165-.171	.018	.010
04	.196-.206	.031	.018
05	.248-.258	.045	.026
06	.313-.323	.046	.027
08	.414-.424	.076	.043
10	.529-.539	.106	.060
12	.623-.633	.140	.080
14	.740-.750	.250	.142
16	.863-.873	.330	.187
20	1.103-1.113	.580	.330
24 /7/	1.327-1.337	.822	.470

NOTES:

/1/ MATERIAL:

- a. CODE LETTER P: TYPE 17-4PH CORROSION-RESISTANT STEEL PER AMS5643.
- b. CODE LETTER T: TYPE 6AL-4V TITANIUM ALLOY (SOLUTION AND PRECIPITATION HEAT TREATED) PER AMS4965.
- c. CODE LETTER V: TYPE 15-5PH CORROSION-RESISTANT STEEL PER AMS5659.

2. HEAT TREATMENT: CORROSION-RESISTANT STEEL TO CONDITION H1075 PER AMS2759/3.

3. FINISH:

- a. CORROSION-RESISTANT STEEL: PASSIVATE PER AMS2700 TYPE 2 OR TYPE 8.
- b. TITANIUM: NONE.

/4/ DRY FILM LUBRICANT: APPLY DRY FILM LUBRICANT PER AS5272, TYPE I, TO SEALING SURFACES, WIRE, AND INTERNAL SURFACES OF NUT. OVERSPRAY ON NUT IS PERMITTED.



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