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REV.
A

AS4216™

FEDERAL SUPPLY CLASS
4730

RATIONALE

GRAPHICS REDRAWN FOR IMPROVED CLARITY. FITTING END DESIGN STANDARD SPECIFIED IN GRAPHICS CHANGED FROM STANDARD END TO BULKHEAD END DESIGN. INTERNAL BORE DIAMETER "E" REMOVED FROM GRAPHICS AND TABLE 1A AS THIS DIMENSION IS ALREADY SPECIFIED IN THE DESIGN STANDARD, AS4208. TABLES REDRAWN FOR IMPROVED CLARITY. OUTDATED STANDARDS UPDATED TO CURRENT NOMENCLATURE. NEW FLAGNOTE /13/ ADDED, STATING THE MANUFACTURER SHALL CONTROL AND BE RESPONSIBLE FOR FEATURES NOT DIMENSIONED ON THIS STANDARD DRAWING INTERPRETATION NOTE 14, INVENTORY DISPOSITION NOTE 15 ADDED, AND REVISION INDICATOR NOTE 16 ADDED.

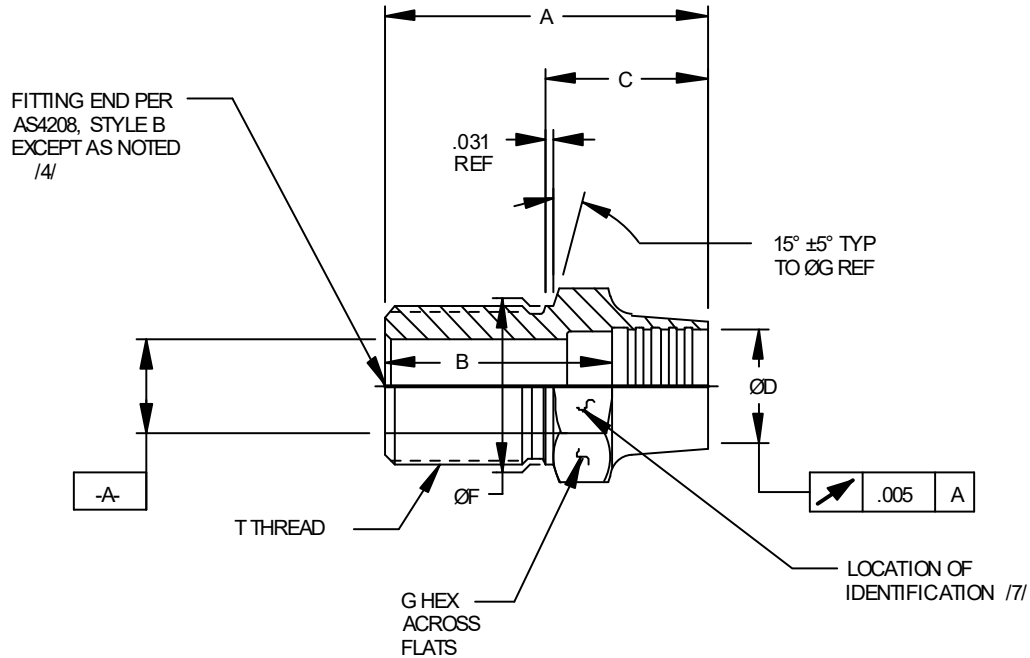
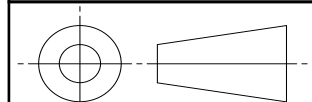


FIGURE 1 /13/

For more information on this standard, visit
<https://www.sae.org/standards/content/AS4216A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G3-B

PROCUREMENT SPECIFICATION: AS85421 /5/



AEROSPACE STANDARD

(R) FITTING, BEAM SEAL, MALE BULKHEAD
TUBE END, INTERNAL SWAGE,
4000 PSI, HYDRAULIC

AS4216™
SHEET 1 OF 3

REV.
A

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TABLE 1A - DIMENSIONS A-D

BASIC NUMBER AS4216 /12/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3A	A	B	C ±.010	D ±.002
03	.188	.3750-28 UNJS	1.080	.755	.525	.191
04	.250	.4375-24 UNJS	1.204	.849	.555	.255
05	.312	.5000-24 UNJS	1.235	.880	.586	.391
06	.375	.5625-20 UNJS	1.284	.929	.596	.438
08	.500	.7188-20 UNJS	1.441	1.011	.717	.506
10	.625	.8438-18 UNJS	1.673	1.168	.810	.631
12	.750	1.0000-16 UNJ	1.766	1.261	.807	.756
14	.875	1.1250-16 UNJ	1.896	1.311	.885	.881
16	1.000	1.2500-14 UNJS	1.936	1.351	.885	1.006
20	1.250	1.5781-14 UNJS	2.068	1.408	1.023	1.256
24 /7/	1.500	1.8438-14 UNJS	2.313	1.578	1.098	1.506

TABLE 1B - DIMENSIONS F-G AND WEIGHTS

BASIC NUMBER AS4216 /12/ SIZE CODE	F	G REF	LB/EA MAX CRES	LB/EA MAX TI
03	.369- .375	.375	TBD	TBD
04	.431- .438	.438	.044	.025
05	.493- .500	.500	TBD	TBD
06	.555- .563	.562	TBD	TBD
08	.711- .719	.750	.123	.070
10	.835- .844	.875	.165	.094
12	.991-1.000	1.000	TBD	TBD
14	1.116-1.125	1.125	TBD	TBD
16	1.240-1.250	1.250	.308	.175
20	1.568-1.578	1.625	.309	.460
24 /7/	1.843-1.844	2.000	TBD	TBD

NOTES:

/1/ MATERIAL:

- a. CODE LETTER A: TYPE 6AL-4V TITANIUM ALLOY (ANNEALED) PER AMS4928.
 - b. CODE LETTER P: TYPE 17-4PH CORROSION RESISTANT STEEL PER AMS5643.
 - c. CODE LETTER T: TYPE 6AL-4V TITANIUM ALLOY (SOLUTION AND PRECIPITATION HEAT TREATED) PER AMS4965.
 - d. 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.

	AEROSPACE STANDARD	AS4216™ SHEET 2 OF 3	REV. A
	(R) FITTING, BEAM SEAL, MALE BULKHEAD TUBE END, INTERNAL SWAGE, 4000 PSI, HYDRAULIC		


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