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REV.
B

AS6213™

FEDERAL SUPPLY CLASS
4730

RATIONALE

FIGURE 1 REDRAWN FOR CLARITY, OPTIONAL SAFETY WIRE HOLES ADDED. TABLE 1 SPLIT INTO TWO TABLES. OPTIONAL MATERIAL ADDED TO NOTE 1f. NOTES 2 AND 3 REVISED. QML STATEMENT REVISED. INTENDED USE NOTE REVISED, NOTE 18 DELETED. GENERAL NON-TECHNICAL UPDATES INCORPORATED.

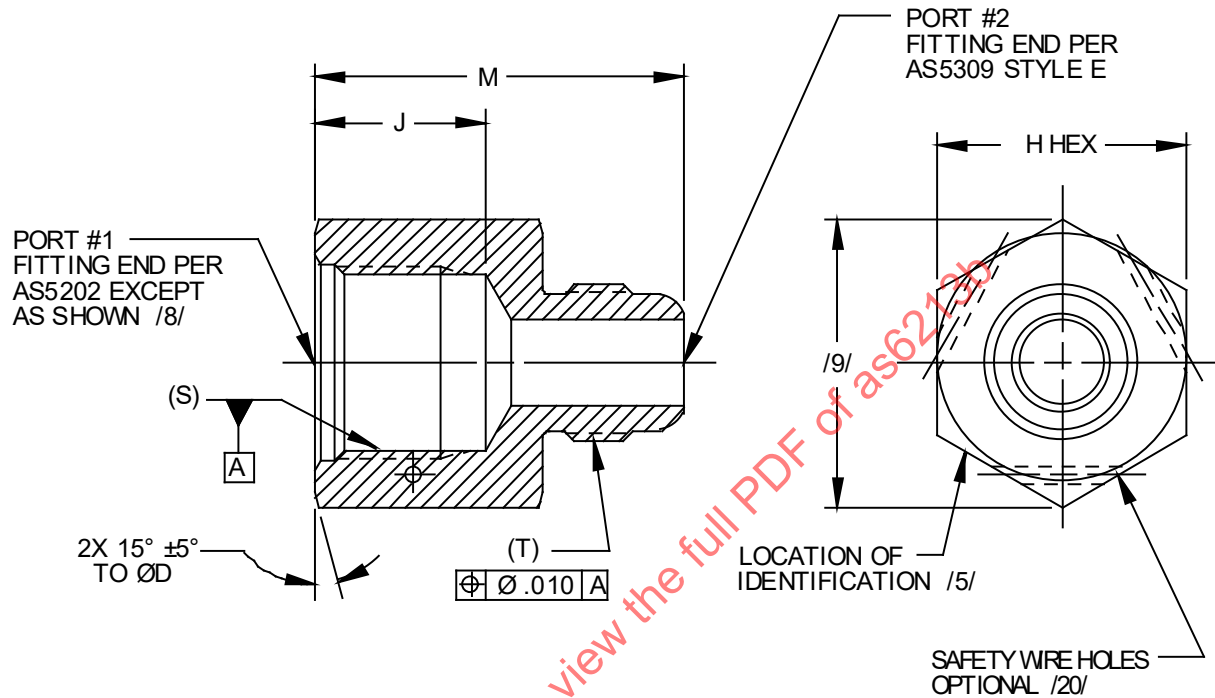
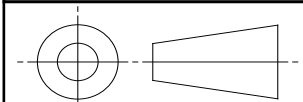


FIGURE 1 - FITTING

For more information on this standard, visit
<https://www.sae.org/standards/content/AS6213B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS4875/1 /4/



AEROSPACE STANDARD

(R) FITTING, ADAPTER, PORT,
REDUCER, 37° SPHERICAL, FLARED

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ISSUED 2012-09 REVISED 2021-06

TABLE 1A - DIMENSIONS D - H

BASIC NO. AS6213 /18/ SIZE CODE	NOMINAL TUBE SIZE PORT #1	NOMINAL TUBE SIZE PORT #2	S THREAD PER AS8879 CLASS 3B	T THREAD PER AS8879 CLASS 3A	D ±010	H
0403	.250	.188	.4375-20UNJF	.3750-24UNJF	.668	.678- .691
0504	.312	.250	.5000-20UNJF	.4375-20UNJF	.730	.740- .753
0604	.375	.250	.5625-18UNJF	.4375-20UNJF	.793	.803- .816
0605	.375	.313	.5625-18UNJF	.5000-20UNJF	.793	.803- .816
0804	.500	.250	.7500-16UNJF	.4375-20UNJF	.980	.990-1.003
0805	.500	.313	.7500-16UNJF	.5000-20UNJF	.980	.990-1.003
0806	.500	.375	.7500-16UNJF	.5625-18UNJF	.980	.990-1.003
1004	.625	.250	.8750-14UNJF	.4375-20UNJF	1.103	1.113-1.128
1005	.625	.313	.8750-14UNJF	.5000-20UNJF	1.103	1.113-1.128
1006	.625	.375	.8750-14UNJF	.5625-18UNJF	1.103	1.113-1.128
1008	.625	.500	.8750-14UNJF	.7500-16UNJF	1.103	1.113-1.128
1206	.750	.375	1.0625-12UNJ	.5625-18UNJF	1.353	1.363-1.380
1208	.750	.500	1.0625-12UNJ	.7500-16UNJF	1.353	1.363-1.380
1210	.750	.625	1.0625-12UNJ	.8750-14UNJF	1.353	1.363-1.380
1606	1.000	.375	1.3125-12UNJ	.5625-18UNJF	1.603	1.613-1.630
1608	1.000	.500	1.3125-12UNJ	.7500-16UNJF	1.603	1.613-1.630
1610	1.000	.625	1.3125-12UNJ	.8750-14UNJF	1.603	1.613-1.630
1612	1.000	.750	1.3125-12UNJ	1.0625-12UNJ	1.603	1.613-1.630
2008	1.250	.500	1.6250-12UNJ	.7500-16UNJF	1.853	1.863-1.880
2010	1.250	.625	1.6250-12UNJ	.8750-14UNJF	1.853	1.863-1.880
2012	1.250	.750	1.6250-12UNJ	1.0625-12UNJ	1.853	1.863-1.880
2016	1.250	1.000	1.6250-12UNJ	1.3125-12UNJ	1.853	1.863-1.880

TABLE 1B - DIMENSIONS J - M AND WEIGHTS

BASIC NO. AS6213 /18/ SIZE CODE	J	M	LB EA APPROX REF AL /12/	LB EA APPROX REF STEEL /12/	LB EA APPROX REF TI /12/
0403	.672	1.297	.0378	.109	.0599
0504	.672	1.500	.0433	.124	.0685
0604	.630	1.391	.0511	.147	.0809
0605	.630	1.375	.0534	.153	.0846
0804	.750	1.609	.0649	.186	.103
0805	.750	1.547	.0672	.193	.107
0806	.750	1.547	.0698	.200	.111
1004	.810	1.672	.0713	.205	.113
1005	.810	1.656	.0737	.212	.117
1006	.810	1.641	.0763	.219	.121
1008	.810	1.750	.090	.258	.143
1206	.940	1.813	.102	.294	.162
1208	.940	1.922	.116	.334	.184
1210	.940	2.016	.131	.376	.207
1606	.970	1.922	.123	.352	.194
1608	.970	2.032	.136	.391	.216
1610	.970	2.109	.151	.434	.293
1612	.970	2.203	.179	.514	.283
2008	1.010	2.172	.137	.392	.216
2010	1.010	2.250	.151	.435	.240
2012	1.010	2.328	.179	.515	.284
2016	1.010	2.297	.224	.642	.354



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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. CODE LETTER F - TYPE 4140 STEEL BAR PER AMS6349 OR AMS6382 OR TYPE 4130 STEEL BAR PER AMS-S-6758 OR AMS6370.
- b. CODE LETTER J - TYPE 304 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5639 EXCEPT HARDNESS PER PROCUREMENT SPECIFICATION.
- c. CODE LETTER K - TYPE 316 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5648 EXCEPT HARDNESS PER PROCUREMENT SPECIFICATION.
- d. CODE LETTER R - TYPE 321 CORROSION RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5645 EXCEPT HARDNESS PER PROCUREMENT SPECIFICATION.
- e. CODE LETTER T - TYPE 6Al-4V TITANIUM ALLOY BAR PER AMS4928.
- f. CODE LETTER W - TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9; OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS-QQ-A-367 OR AMS4124.

2. HEAT TREATMENT:

- a. MATERIAL CODE LETTER F - HARDNESS SHALL BE 92 HRB TO 40 HRC PER PROCUREMENT SPECIFICATION.
- b. MATERIAL CODE LETTER W - REFER TO ELECTRICAL CONDUCTIVITY AND HARDNESS REQUIREMENT PER PROCUREMENT SPECIFICATION.
- c. OTHER MATERIAL CODE LETTERS - NONE.

/3/ FINISH:

- a. MATERIAL CODE LETTER F - CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2, DYE BLACK AND COAT WITH A LIGHT FILM OF OIL PER PROCUREMENT SPECIFICATION.
- b. MATERIAL CODE LETTERS J, K, AND R - PASSIVATE PER AMS2700, TYPE 6 OR 7.
- c. MATERIAL CODE LETTER T - FLUORIDE PHOSPHATE CONVERSION COAT PER AMS2486 OR ANODIZE PER AMS2488 TYPE 2, COLOR PER PROCUREMENT SPECIFICATION.
- d. MATERIAL CODE LETTER W:
 1. ANODIZE PER AMS2472 OR MIL-A-8625, TYPE II, CLASS 2, DYE BROWN, DUPLEX SEAL PER PROCUREMENT SPECIFICATION.
 2. W CODE PARTS TO BE COATED WITH HIGH PURITY ALUMINUM ONLY WILL HAVE THE FINISH CODE LETTER "V" AFTER THE SIZE CODE IN THE PART NUMBER. HIGH PURITY ALUMINUM COAT PER PROCUREMENT SPECIFICATION. /18/

/4/ PROCUREMENT SPECIFICATION: AS4875/1 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT MANUFACTURED TO THIS STANDARD SHALL MEET THE REQUIREMENTS SPECIFIED HEREIN AND THE PROCUREMENT SPECIFICATION. ORIGINAL COMPONENT MANUFACTURERS (OCM) AND VALUE ADDED DISTRIBUTORS (VAD) SHALL BE LISTED IN THE NADCAP QUALIFIED MANUFACTURER LIST (QML) FOR THIS PRODUCT TYPE. THE QML IS AVAILABLE AT www.eAuditNet.com.

	AEROSPACE STANDARD	AS6213™ SHEET 3 OF 4	REV. B
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