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REV.
A

AS6107

FEDERAL SUPPLY CLASS
4730

RATIONALE

REVISED FOR DEFINITION CORRECTION OF DIMENSION "A1" (FITTING BODY LENGTH), ADDED LETTER CODE "B" FOR FITTING ASSEMBLIES WITH BLUE ANODIZED RINGS AND NOTE 18 AS AN OPTION FOR FUTURE REPLACEMENT OF CURRENT BLUE COLOR CODING. ADDED AS6449 AS A NEW LUBRICANT TYPE AND REVISED NOTES 7 AND 13. ADDED NOTE 17.

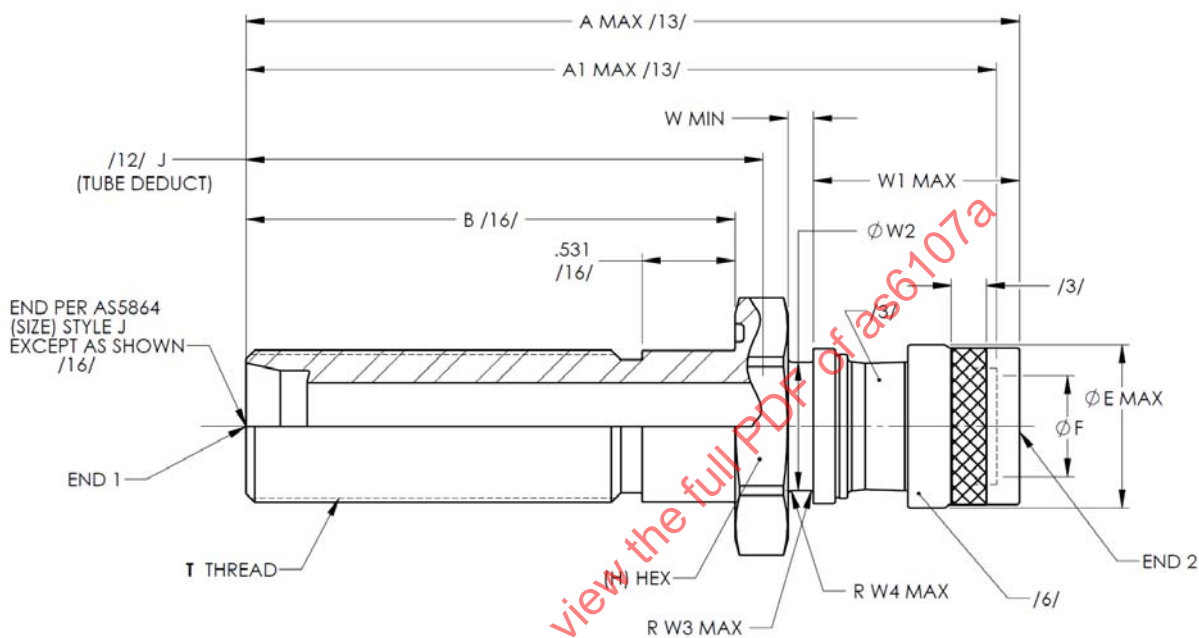
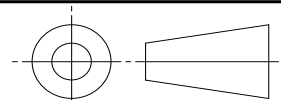


FIGURE 1- ADAPTER, AXIALLY SWAGED

(SEE TABLE 1A AND 1B FOR DIMENSIONAL INFORMATION AND WEIGHTS)

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS5958 /4/



AEROSPACE STANDARD

FITTING ASSEMBLY, STRAIGHT,
EXTENDED BULKHEAD SHANK, FLARELESS,
AXIALLY SWAGED, HYDRAULIC, 3000 PSI

AS6107
SHEET 1 OF 3

REV.
A

TABLE 1A - DIMENSIONS A THROUGH W

BASIC NO. AS6107 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A MAX	A1 MAX	B	E MAX	F MIN	(H)	J /12/ TUBE DEDUCT	W MIN
0404	.2500	.2500	3.357	3.270	2.469	.466	.253	.875	2.775 ±.150	.123
0606	.3750	.3750	3.640	3.524	2.515	.609	.378	1.000	2.841 ±.150	.153
0808	.5000	.5000	4.004	3.858	2.656	.783	.504	1.188	3.005 ±.175	.165
1010	.6250	.6250	4.454	4.250	2.797	.939	.629	1.312	3.161 ±.175	.140
1212	.7500	.7500	4.734	4.529	2.906	1.122	.754	1.500	3.297 ±.175	.154
1616	1.0000	1.0000	5.052	4.838	2.906	1.495	1.004	1.875	3.324 ±.200	.167
2020	1.2500	1.2500	5.419	5.195	2.906	1.758	1.255	2.188	3.408 ±.200	.185

TABLE 1B - THREAD, DIMENSIONS W1 THROUGH W4, O-RING SIZE AND WEIGHTS

BASIC NO. AS6107 /15/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	T THREAD PER AS8879	W1 MAX	W2 ±.0015	W3 MAX	W4 MAX	AS568 O-RING /14/	WEIGHT LB/EA APPROX REF
0404	.2500	.2500	.4375-20 UNJF-3A	.488	.3005	.018	.065	-15	.075
0606	.3750	.3750	.5625-18 UNJF-3A	.675	.4475	.033	.065	-17	.115
0808	.5000	.5000	.7500-16 UNJF-3A	.871	.5945	.033	.129	-20	.195
1010	.6250	.6250	.8750-14 UNJF-3A	1.190	.7365	.021	.078	-22	.275
1212	.7500	.7500	1.0625-12 UNJ-3A	1.327	.8805	.024	.089	-25	.390
1616	1.0000	1.0000	1.3125-12 UNJ-3A	1.612	1.1725	.027	.099	-30	.620
2020	1.2500	1.2500	1.6250-12 UNJ-3A	1.886	1.4345	.030	.113	-32	.930

NOTES:

/1/ MATERIALS:

CODE LETTER "T"

RING - AMS4965 TITANIUM ALLOY 6.0AL - 4.0V SOLUTION HEAT TREATED AND AGED, OR AMS4928 TITANIUM ALLOY 6.0AL - 4.0V ANNEALED WITH HIGH STRENGTH CARBON FIBER/EPOXY RESIN COMPOSITE REINFORCEMENT.

BODY - AMS4928 TITANIUM ALLOY 6.0AL - 4.0V ANNEALED.

2. FINISH:

TITANIUM - NONE.

/3/ COATINGS/LUBRICANTS /18/:

a. NO SUFFIX CODE LETTER

- (1) RING: THE OUTER SURFACE SHALL HAVE A .125 INCH MINIMUM WIDTH BLUE COLORED RING OR COMPLETELY COLORED BLUE TO INDICATE 5080 PSI MAXIMUM OPERATING PRESSURE. BLUE PTFE COATING OR PAINT SHALL BE RESISTANT TO AS1241 FLUID WHEN USED. MARKING METHODS SHALL BE IN ACCORDANCE WITH AS5958.
- (2) BODY - LEAD FREE SOLID FILM LUBRICANT PER AS5272 TYPE I OR II, OR PER AS6449 TYPE III OR IV, PTFE OR PETROLEUM-BASED LUBRICANT MAY BE APPLIED TO PORTIONS OF THE ID AND OD. THE PETROLEUM-BASED LUBRICANT SHALL NOT BE IN CONTACT WITH THE SYSTEM FLUID.

b. SUFFIX CODE LETTER "B"

- (1) RINGS - PARTIALLY (.125 INCH MINIMUM WIDTH) OR COMPLETELY ANODIZED BLUE TO INDICATE 5080 PSI MAXIMUM OPERATING PRESSURE. MARKING METHODS SHALL BE IN ACCORDANCE WITH AS5958.
- (2) BODY - LEAD FREE SOLID FILM LUBRICANT PER AS5272 TYPE I OR II, OR PER AS6449 TYPE III OR IV, PTFE OR PETROLEUM-BASED LUBRICANT MAY BE APPLIED TO PORTIONS OF THE ID AND OD. THE PETROLEUM-BASED LUBRICANT SHALL NOT BE IN CONTACT WITH THE SYSTEM FLUID.



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