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REV.
B

AS6107™

FEDERAL SUPPLY CLASS
4730

RATIONALE

1. REVISE FINISH NOTE 3 TO ALLOW ANODIZE RING OPTION FOR NO CODE PART NUMBERS AND CLARIFY THE INTENDED USAGE OF BLUE COLOR MARKING.
2. REVISE NOTE 15 AND 18 TO CLARIFY THE USAGE OF ANODIZE RINGS.
3. UPDATING STANDARD TO INCLUDE NEW CLASS "D" CODE TO DENOTE USE ON ALUMINUM TUBING. SEE NOTE 21 FOR DETAILS.
4. REVISE NOTE 4 TO CLARIFY PROCUREMENT. WORDING IN ACCORDANCE WITH AS5969 REVISION F.

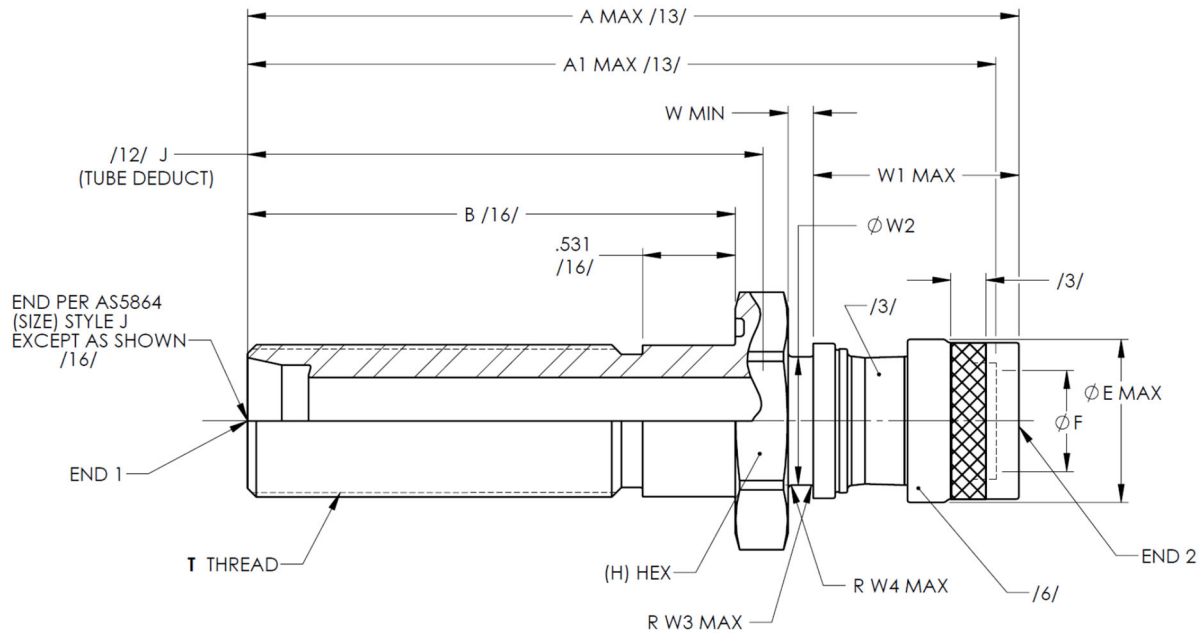
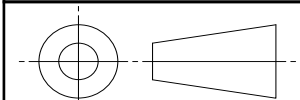


FIGURE 1 - ADAPTER, AXIALLY SWAGED

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

For more information on this standard, visit
<https://www.sae.org/standards/content/AS6107B/>

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.
B

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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 BAND OR COMPLETELY COLORED BLUE PER AS5958. MARKING AND COLOR METHODS SHALL BE IN ACCORDANCE WITH AS5958. BLUE COLOR MARKING SHALL EXHIBIT CHEMICAL RESISTANCE PER AS5958. BLUE COLOR ON RING CORRESPONDS TO TOOLING COLOR SPECIFIED IN THE AS5959 INSTALLATION PROCEDURE AND DENOTES 5080 PSI CAPABILITY ON SWAGED END.
- (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.

	AEROSPACE STANDARD		AS6107™ SHEET 2 OF 4	REV. B
	FITTING ASSEMBLY, STRAIGHT, EXTENDED BULKHEAD SHANK, FLARELESS, AXIALLY SWAGED, HYDRAULIC, 3000 PSI			


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