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REV.
E

AS1100™

FEDERAL SUPPLY CLASS
4730

RATIONALE

OPTION FOR SAFETY WIRE HOLES ADDED. TABLE 1B ADDED TO REFLECT WEIGHTS FOR TITANIUM FITTINGS. CANCELLED AMS4112 WITH NO REPLACEMENT REMOVED FROM 2024-T6 MATERIAL OPTION. OPTIONAL AMS MATERIAL ADDED TO CODE LETTER D. TITANIUM ADDED AS AN OPTIONAL MATERIAL. PROCUREMENT SPECIFICATION NOTE REVISED TO REMOVE QML REQUIREMENT UNTIL APPROVAL IS RECEIVED TO LIST KSC-F-124 IN QML DATABASE.

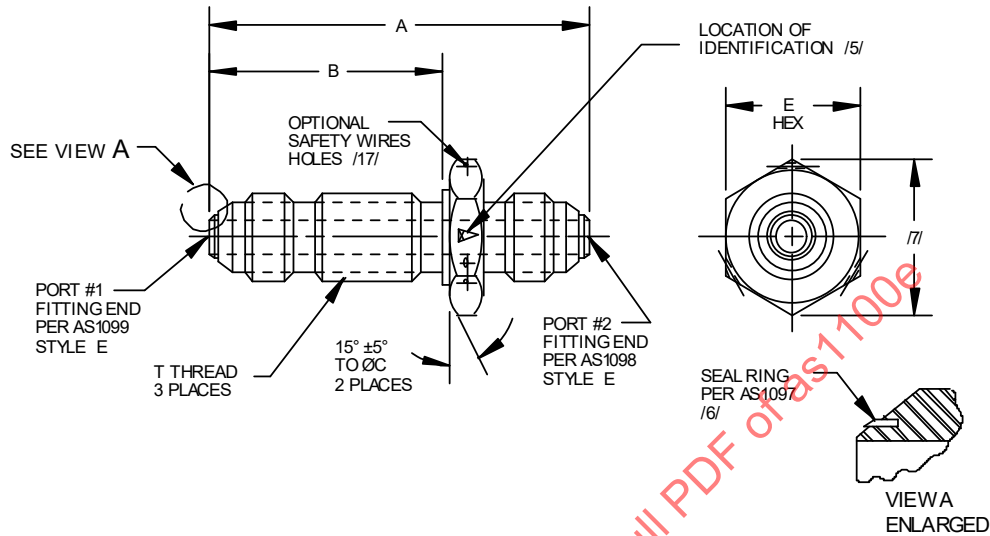
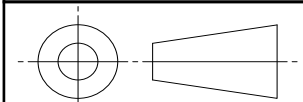


FIGURE 1 - FITTING, UNION, FLARED TUBE, BULKHEAD AND UNIVERSAL

NOT RECOMMENDED IN PART /16/

For more information on this standard, visit
<https://www.sae.org/standards/content/AS1100E/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: KSC-F-124 /4/



AEROSPACE STANDARD

FITTING, UNION, FLARED TUBE
BULKHEAD AND UNIVERSAL,
FOR SEAL RING

AS1100™
SHEET 1 OF 3

REV.
E

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ISSUED 1976-01 REAFFIRMED 2005-06 REVISED 2025-04

TABLE 1A - DIMENSIONS A-E

BASIC NUMBER AS1100 /15/ SIZE CODE	(NOMINAL TUBE SIZE)	T THREAD PER AS8879 CLASS 3A	A +.000 -.090	B +.000 -.045	C ±.010	E
04	.250	.4375-20UNJF	2.062	1.219	.668	.678-.691
06	.375	.5625-18UNJF	2.234	1.297	.792	.802-.815
08	.500	.7500-16UNJF	2.469	1.453	.980	.990-1.003
10	.625	.8750-14UNJF	2.734	1.594	1.103	1.113-1.128
12	.750	1.0625-12UNJ	3.047	1.766	1.353	1.363-1.380
16	1.000	1.3125-12UNJ	3.094	1.766	1.603	1.613-1.630
20	1.250	1.6250-12UNJ	3.172	1.812	1.853	1.863-1.880
24	1.500	1.8750-12UNJ	3.328	1.828	2.099	2.109-2.135
28	1.750	2.2500-12UNJ	3.594	1.984	2.474	2.484-2.510
32	2.000	2.5000-12UNJ	3.844	2.110	2.724	2.734-2.760

TABLE 1B - WEIGHTS

BASIC NUMBER AS1100 /15/ SIZE CODE	(NOMINAL TUBE SIZE)	LB/EA APPROX REF ALUM	LB/EA APPROX REF CRES	LB/EA APPROX REF TITANIUM
04	.250	.0241	.070	.039
06	.375	.0393	.114	.063
08	.500	.0713	.207	.114
10	.625	.110	.319	.176
12	.750	.166	.481	.266
16	1.000	.226	.655	.365
20	1.250	.319	.926	.551
24	1.500	.442	1.282	.707
28	1.750	.648	1.881	1.037
32	2.000	.831	2.415	1.330

NOTES:

/1/ MATERIAL:

- a. CODE LETTER D: TYPE 2024-T6 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6; OR TYPE 2024-T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR AMS4339. /16/
- b. CODE LETTER J: 304 CORROSION-RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5639.
- c. CODE LETTER K: 316 CORROSION-RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5648.
- d. CODE LETTER R: 321 CORROSION-RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5645.
- e. CODE LETTER S: 347 CORROSION-RESISTANT STEEL BAR PER AMS-QQ-S-763 OR AMS5646. /16/
- f. CODE LETTER T: TYPE 6AL-4V TITANIUM ALLOY BAR PER AMS4928.
- g. CODE LETTER W: TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9 OR TYPE 7075-T7351 ALUMINUM ALLOY BAR PER AMS4124.

2. HEAT TREAT PER PROCUREMENT SPECIFICATION.

	AEROSPACE STANDARD	AS1100™ SHEET 2 OF 3	REV. E
	FITTING, UNION, FLARED TUBE BULKHEAD AND UNIVERSAL, FOR SEAL RING		