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REV.
E

AS4309™

FEDERAL SUPPLY CLASS
4730

RATIONALE

GRAPHICS AND TABLE REDRAWN. OPTION FOR SAFETY WIRE HOLES ADDED. "NOT RECOMMENDED IN PART" NOTE ADDED TO SHEET 1. TABLE 1B ADDED TO REFLECT WEIGHTS FOR TITANIUM FITTINGS. CANCELLED AMS4112 WITH NO REPLACEMENT REMOVED FROM 2024-T6 MATERIAL OPTION. OPTIONAL AMS MATERIAL SPEC ADDED TO MATERIAL CODE LETTER D. TITANIUM ADDED AS AN OPTIONAL MATERIAL. OUTDATED SPECIFICATIONS UPDATED TO CURRENT NOMENCLATURE. PROCUREMENT SPECIFICATION NOTE REVISED TO REMOVE QML REQUIREMENT UNTIL APPROVAL IS RECEIVED TO LIST KSC-F-124 IN QML DATABASE. RECOMMENDED MATERIAL REPLACEMENT NOTE /18/ ADDED.

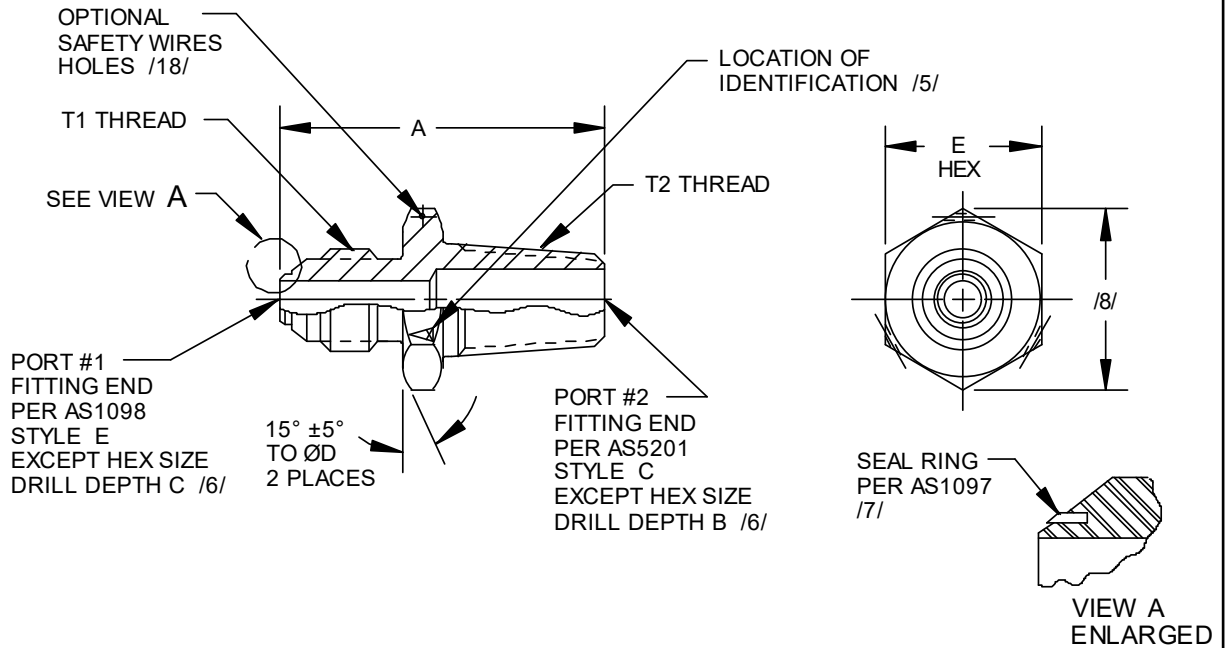
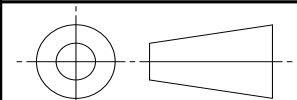


FIGURE 1 - FITTING, NIPPLE, FLARED TUBE TO PIPE THREAD

NOT RECOMMENDED IN PART /19/

For more information on this standard, visit
<https://www.sae.org/standards/content/AS4309E/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: KSC-F-124 /4/



AEROSPACE STANDARD

FITTING, NIPPLE, FLARED
TUBE TO PIPE THREAD,
FOR SEAL RING

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TABLE 1A - DIMENSIONS A-D

BASIC NUMBER AS4309 /16/, /17/ SIZE CODE	(NOMINAL TUBE SIZE) PORT #1	T1 THREAD PER AS8879 CLASS 3A PORT #1	(NOMINAL PIPE SIZE) PORT #2	T2 THREAD PER AS71051 ANPT PORT #2	A +.000 -.075	B	C	D ±.010
0402	.250	.4375-20 UNJF	.125	.1250-27	1.125	.469	--	.480
0404	.250	.4375-20 UNJF	.250	.2500-18	1.391	.688	--	.542
0602	.375	.5625-18 UNJF	.125	.1250-27	1.203	--	.688	.605
0604	.375	.5625-18 UNJF	.250	.2500-18	1.391	.688	--	.605
0606	.375	.5625-18 UNJF	.375	.3750-18	1.422	.688	--	.730
0608	.375	.5625-18 UNJF	.500	.5000-14	1.641	.875	--	.855
0804	.500	.7500-16 UNJF	.250	.2500-18	1.516	--	.844	.792
0806	.500	.7500-16 UNJF	.375	.3750-18	1.516	.688	--	.792
0808	.500	.7500-16 UNJF	.500	.5000-14	1.735	.875	--	.855
1004	.625	.8750-14 UNJF	.250	.2500-18	1.722	--	.844	.918
1006	.625	.8750-14 UNJF	.375	.3750-18	1.656	.812	--	.918
1008	.625	.8750-14 UNJF	.500	.5000-14	1.844	.906	--	.918
1012	.625	.8750-14 UNJF	.750	.7500-14	1.859	.906	--	1.103
1204	.750	1.0625-12 UNJ	.250	.2500-18	1.843	--	1.046	1.103
1206	.750	1.0625-12 UNJ	.375	.3750-18	1.859	--	1.000	1.103
1208	.750	1.0625-12 UNJ	.500	.5000-14	1.969	--	1.063	1.103
1212	.750	1.0625-12 UNJ	.750	.7500-14	1.969	.906	--	1.103
1216	.750	1.0625-12 UNJ	1.000	1.0000-11.5	2.203	1.063	--	1.353
1608	1.000	1.3125-12 UNJ	.500	.5000-14	2.015	--	.906	1.353
1612	1.000	1.3125-12 UNJ	.750	.7500-14	2.047	--	1.094	1.353
1616	1.000	1.3125-12 UNJ	1.000	1.0000-11.5	2.234	1.125	--	1.353
2012	1.250	1.6250-12 UNJ	.750	.7500-14	2.140	--	1.031	1.666
2016	1.250	1.6250-12 UNJ	1.000	1.0000-11.5	2.344	--	1.250	1.666
2020	1.250	1.0625-12 UNJ	1.250	1.2500-11.5	2.375	1.188	--	1.728
2412	1.500	1.8750-12 UNJ	.750	.7500-14	2.203	--	1.031	1.978
2416	1.500	1.8750-12 UNJ	1.000	1.0000-11.5	2.453	--	1.156	1.978
2420	1.500	1.8750-12 UNJ	1.250	1.2500-11.5	2.562	--	1.344	1.978
2424	1.500	1.8750-12 UNJ	1.500	1.5000-11.5	2.593	1.031	--	1.978
2816	1.750	2.2500-12 UNJ	1.000	1.0000-11.5	2.797	--	1.125	2.349
2820	1.750	2.2500-12 UNJ	1.250	1.2500-11.5	2.812	--	1.500	2.349
2824	1.750	2.2500-12 UNJ	1.500	1.5000-11.5	2.844	--	1.438	2.349
3220	2.000	2.5000-12 UNJ	1.250	1.2500-11.5	3.079	--	1.500	2.599
3224	2.000	2.5000-12 UNJ	1.500	1.5000-11.5	3.094	--	1.438	2.599
3232	2.000	2.5000-12 UNJ	2.000	2.0000-11.5	3.125	1.438	--	2.599



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TUBE TO PIPE THREAD,
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