

**AS4309**

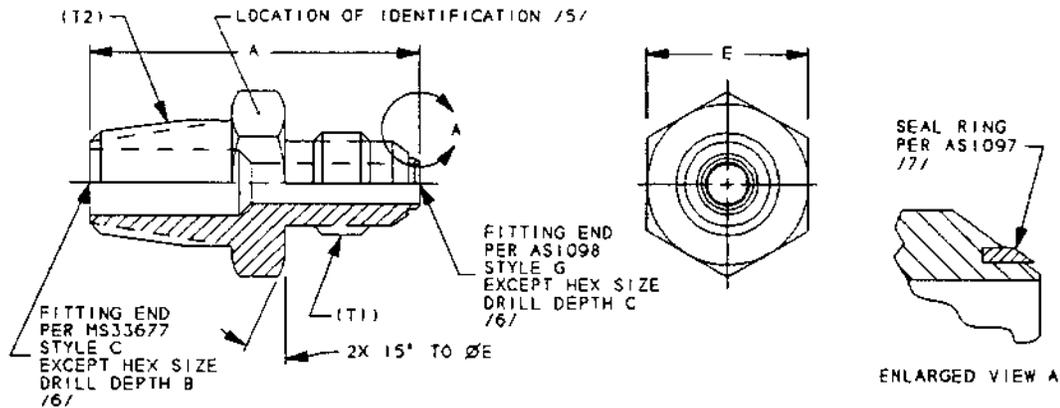
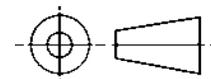


FIGURE 1 - NIPPLE, FLARED TUBE TO PIPE THREAD

TABLE 1 - DIMENSIONS

BASIC NUMBER	TUBE	T1 THREAD	T2 THREAD	A	B	C	E
AS4309	OD	PER	ANPT	+ .000			
/13/		MIL-S-8879		-.075			
SIZE CODE							
0402	.250	.4375-20 UNJF	.125-27	1.125	.469	--	.496-.504
0404	.250	.4375-20 UNJF	.250-18	1.391	.688	--	.559-.567
0602	.375	.5625-18 UNJF	.125-27	1.203	--	.688	.621-.629
0604	.375	.5625-18 UNJF	.250-18	1.391	.688	--	.621-.629
0606	.375	.5625-18 UNJF	.375-18	1.422	.688	--	.746-.754
0608	.375	.5625-18 UNJF	.500-14	1.641	.875	--	.871-.879
0804	.500	.7500-16 UNJF	.250-18	1.516	--	.844	.809-.817
0806	.500	.7500-16 UNJF	.375-18	1.516	.688	--	.809-.817
0808	.500	.7500-16 UNJF	.500-14	1.735	.875	--	.871-.879
1004	.625	.8750-14 UNJF	.250-18	1.722	--	.844	.934-.942
1006	.625	.8750-14 UNJF	.375-14	1.656	.812	--	.934-.942
1008	.625	.8750-14 UNJF	.500-14	1.844	.906	--	.934-.942
1012	.625	.8750-14 UNJF	.750-14	1.859	.906	--	1.120-1.130
1204	.750	1.0625-12 UNJ	.250-18	1.843	--	1.046	1.120-1.130
1206	.750	1.0625-12 UNJ	.375-18	1.859	--	1.000	1.120-1.130
1208	.750	1.0625-12 UNJ	.500-14	1.969	--	1.063	1.120-1.130
1212	.750	1.0625-12 UNJ	.750-14	1.969	.906	--	1.120-1.130
1216	.750	1.0625-12 UNJ	1.000-11.5	2.203	1.063	--	1.370-1.380

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ KSC-F-124



**AEROSPACE STANDARD**

NIPPLE - FLARED TUBE TO PIPE  
THREAD, FOR SEAL RING

**AS4309**  
SHEET 1 OF 3

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ISSUED 1993-08 REAFFIRMED 2001-12

AS4309

TABLE 1 - DIMENSIONS (CONTINUED)

BASIC NUMBER AS4309 /13/ SIZE CODE	TUBE OD	T1 THREAD PER MIL-S-8879	T2 THREAD ANPT	A + .000 - .075	B	C	E
1608	1.000	1.3125-12 UNJ	.500-14	2.015	--	.906	1.370-1.380
1612	1.000	1.3125-12 UNJ	.750-14	2.047	--	1.094	1.370-1.380
1616	1.000	1.3125-12 UNJ	1.000-11.5	2.234	1.125	--	1.370-1.380
2012	1.250	1.6250-12 UNJ	.750-14	2.140	--	1.031	1.672-1.704
2016	1.250	1.6250-12 UNJ	1.000-11.5	2.344	--	1.250	1.672-1.704
2020	1.250	1.6250-12 UNJ	1.250-11.5	2.375	1.188	--	1.734-1.766
2412	1.500	1.8750-12 UNJ	.750-14	2.203	--	1.031	1.984-2.016
2416	1.500	1.8750-12 UNJ	1.000-11.5	2.453	--	1.156	1.984-2.016
2420	1.500	1.8750-12 UNJ	1.250-11.5	2.562	--	1.344	2.984-2.016
2424	1.500	1.8750-12 UNJ	1.500-11.5	2.593	1.031	--	1.984-2.016
2816	1.750	2.2500-12 UNJ	1.000-11.5	2.797	--	1.125	2.355-2.395
2820	1.750	2.2500-12 UNJ	1.250-11.5	2.812	--	1.500	2.355-2.395
2824	1.750	2.2500-12 UNJ	1.500-11.5	2.844	--	1.438	2.355-2.395
3220	2.000	2.5000-12 UNJ	1.250-11.5	3.079	--	1.500	2.605-2.645
3224	2.000	2.5000-12 UNJ	1.500-11.5	3.094	--	1.438	2.605-2.645
3232	2.000	2.5000-12 UNJ	2.000-11.5	3.125	1.438	--	2.605-2.645

TABLE 2 - WEIGHTS

BASIC NUMBER AS4309 /13/ SIZE CODE	LB/EA MAX ALUM	LB/EA MAX CRES	BASIC NUMBER AS4309 /13/ SIZE CODE	LB/EA MAX ALUM	LB/EA MAX CRES	BASIC NUMBER AS4309 /13/ SIZE CODE	LB/EA MAX ALUM	LB/EA MAX CRES
0402	.0132	.0367	1012	.0894	.248	2412	.275	.763
0404	.0211	.0584	1204	.0958	.265	2416	.308	.855
0602	.0195	.0538	1206	.0967	.268	2420	.332	.919
0604	.0241	.0669	1208	.0967	.268	2424	.342	.946
0606	.0323	.0897	1212	.103	.285	2816	.424	1.189
0608	.0504	.140	1216	.152	.422	2820	.456	1.277
0804	.0412	.114	1608	.134	.372	2824	.470	1.317
0806	.0424	.118	1612	.140	.388	3220	.581	1.627
0808	.0577	.160	1616	.158	.439	3224	.595	1.667
1004	.0638	.177	2012	.216	.598	3232	.648	1.817
1006	.0590	.164	2016	.231	.640			
1008	.0682	.189	2020	.256	.710			