

AS4319

FEDERAL SUPPLY CLASS
4730

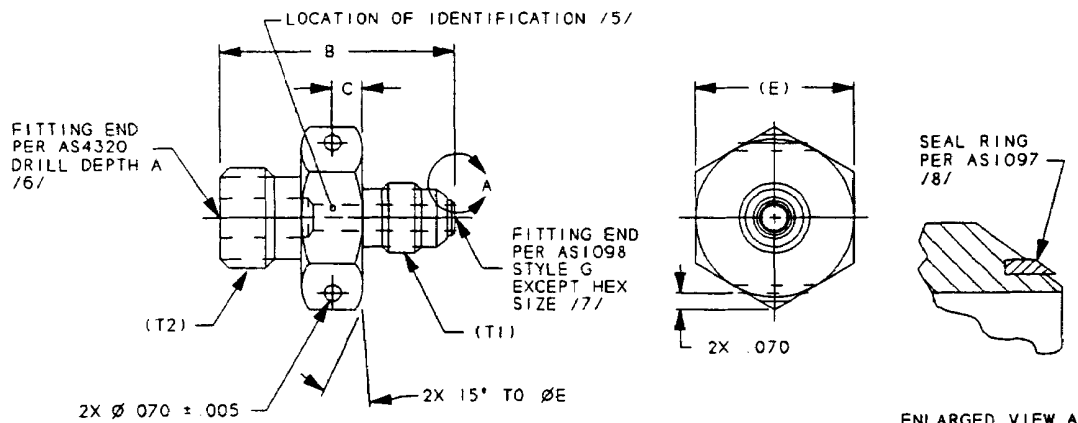
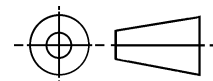


FIGURE 1 - EXPANDER, ADAPTER, FLARED TUBE TO BOSS

TABLE 1 - DIMENSIONS

BASIC NUMBER AS4319 /14/ SIZE CODE	FLARED TUBE END TUBE OD	FLARED TUBE END T1 THREAD PER MIL-S-8879	BOSS END TUBE OD	BOSS END T2 THREAD PER MIL-S-8879	A MAX	B +.000 -.060	C ±.030	E
0204	.125	.3125-24 UNJF	.250	.4375-20 UNJF	.311	1.084	.123	.688
0304	.188	.3750-24 UNJF	.250	.4375-20 UNJF	.311	1.115	.123	.688
0206	.125	.3125-24 UNJF	.375	.5625-20 UNJF	.336	1.163	.147	.813
0306	.188	.3750-24 UNJF	.375	.5625-20 UNJF	.336	1.194	.147	.813
0406	.250	.4375-20 UNJF	.375	.5625-20 UNJF	.336	1.265	.140	.813
0506	.312	.5000-20 UNJF	.375	.5625-20 UNJF	.336	1.265	.147	.813
0208	.125	.3125-24 UNJF	.500	.7500-16 UNJF	.417	1.285	.158	1.000
0308	.188	.3750-24 UNJF	.500	.7500-16 UNJF	.417	1.315	.157	1.000
0408	.250	.4375-20 UNJF	.500	.7500-16 UNJF	.417	1.390	.152	1.000
0508	.312	.5000-20 UNJF	.500	.7500-16 UNJF	.417	1.390	.159	1.000
0608	.375	.5625-18 UNJF	.500	.7500-16 UNJF	.417	1.392	.150	1.000
0410	.250	.4375-20 UNJF	.625	.8750-14 UNJF	.454	1.460	.164	1.125
0610	.375	.5625-18 UNJF	.625	.8750-14 UNJF	.454	1.460	.161	1.125
0810	.500	.7500-16 UNJF	.625	.8750-14 UNJF	.454	1.560	.160	1.125
0412	.250	.4375-20 UNJF	.750	1.0625-12 UNJ	.509	1.560	.179	1.375
0512	.312	.5000-20 UNJF	.750	1.0625-12 UNJ	.509	1.560	.187	1.375
0612	.375	.5625-18 UNJF	.750	1.0625-12 UNJ	.509	1.567	.180	1.375
0812	.500	.7500-16 UNJF	.750	1.0625-12 UNJ	.509	1.668	.180	1.375

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /4/ KSC-F-124

SAE The Engineering Society
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AEROSPACE STANDARD

EXPANDER, ADAPTER, FLARED TUBE
TO BOSS, FOR SEAL RING

AS4319
SHEET 1 OF 3

ISSUED 1993-08 REAFFIRMED 2001-12

AS4319

TABLE 1 - DIMENSIONS (CONTINUED)

BASIC NUMBER	FLARED TUBE	FLARED TUBE END	BOSS END	BOSS END T2 THREAD		B	C	
AS4319	END	T1 THREAD	END	T2 THREAD	A	+ .000	± .030	E
/14/ SIZE	TUBE	PER	TUBE	PER	MAX	- .060		
CODE	OD	MIL-S-8879	OD	MIL-S-8879				
1012	.625	.8750-14 UNJF	.750	1.0625-12 UNJ	.509	1.769	.180	1.375
0416	.250	.4375-20 UNJF	1.000	1.3125-12 UNJ	.538	1.597	.180	1.625
0616	.375	.5625-18 UNJF	1.000	1.3125-12 UNJ	.538	1.603	.180	1.625
0816	.500	.7500-16 UNJF	1.000	1.3125-12 UNJ	.538	1.704	.180	1.625
1016	.625	.8750-14 UNJF	1.000	1.3125-12 UNJ	.538	1.805	.180	1.625
1216	.750	1.0625-12 UNJ	1.000	1.3125-12 UNJ	.538	1.911	.180	1.625
0420	.250	.4375-20 UNJF	1.250	1.6250-12 UNJ	.610	1.693	.228	1.875
1220	.750	1.0625-12 UNJ	1.250	1.6250-12 UNJ	.610	2.007	.228	1.875
1620	1.000	1.3125-12 UNJ	1.250	1.6250-12 UNJ	.610	2.054	.228	1.875
1624	1.000	1.3125-12 UNJ	1.500	1.8750-12 UNJ	.635	2.095	.224	2.125
2024	1.250	1.6250-12 UNJ	1.500	1.8750-12 UNJ	.635	2.142	.224	2.125
2028	1.250	1.6250-12 UNJ	1.750	2.2500-12 UNJ	.759	2.297	.276	2.500
2428	1.500	1.8750-12 UNJ	1.750	2.2500-12 UNJ	.759	2.422	.276	2.500
2432	1.500	1.8750-12 UNJ	2.000	2.5000-12 UNJ	.782	2.516	.265	2.750
2832	1.750	2.2500-12 UNJ	2.000	2.5000-12 UNJ	.782	2.641	.265	2.750

TABLE 2 - WEIGHTS

BASIC NUMBER	LB/EA	LB/EA	BASIC NUMBER	LB/EA	LB/EA	BASIC NUMBER	LB/EA	LB/EA
AS4319	MAX	MAX	AS4319	MAX	MAX	AS4319	MAX	MAX
/14/ SIZE	CODE	ALUM	CRES	SIZE	CODE	ALUM	CODE	CRES
0204	.0137	.0383	0610	.0681	.189	0420	.238	.659
0304	.0156	.0438	0810	.0755	.209	1220	.261	.724
0206	.0211	.0592	0412	.107	.297	1620	.265	.735
0306	.0233	.0653	0512	.108	.298	1624	.331	.918
0406	.0303	.0840	0612	.108	.299	2024	.347	.962
0506	.0304	.0850	0812	.115	.319	2028	.538	1.490
0208	.0368	.103	1012	.121	.337	2428	.548	1.520
0308	.0397	.111	0416	.149	.414	2432	.661	1.930
0408	.0509	.141	0616	.150	.415	2832	.714	2.020
0508	.0512	.142	0816	.157	.436			
0608	.0514	.143	1016	.163	.453			
0410	.0680	.189	1216	.175	.486			