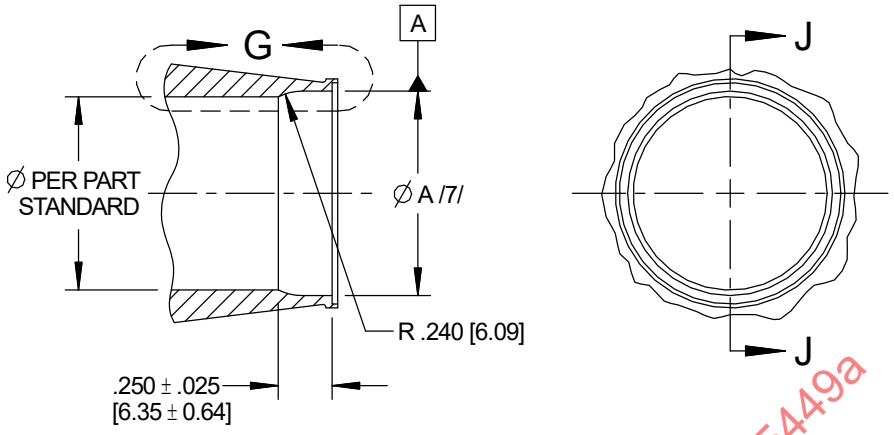
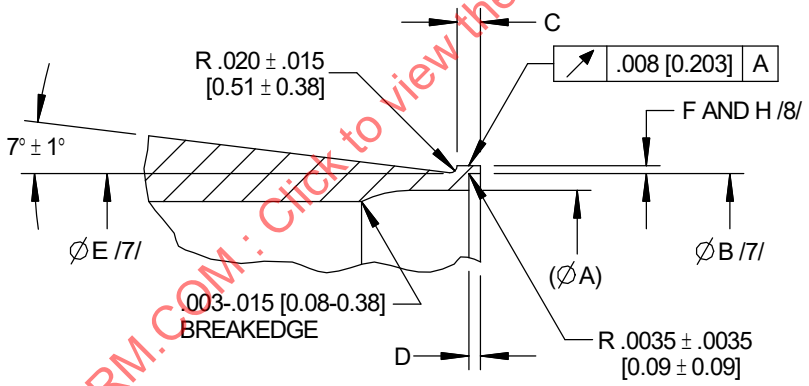
FEDERAL SUPPLY CLASS
4730

RATIONALE

REVISE TYPO FOR METRIC DIMENSIONS IN NOTES 4 AND /8/. NOTE 11 ADDED.



SECTION J - J

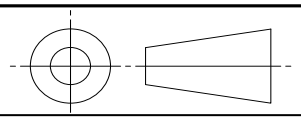


VIEW G
ENLARGED

FIGURE 1 - FITTING END, WELD RING

For more information on this standard, visit
https://www.sae.org/standards/content/AS5449A/

THIRD ANGLE PROJECTION



ISSUED 2003-09 REAFFIRMED 2013-01 REVISED 2020-10

CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: NONE /1/

SAE INTERNATIONAL

AEROSPACE STANDARD

FITTING END, WELD RING, SHORT TAPERED, DESIGN STANDARD

AS5449™
SHEET 1 OF 4

REV. A

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TABLE 1A - DIMENSIONS (INCH)

BASIC NO. AS5449 /9/ SIZE CODE	(NOMINAL TUBE SIZE)	A +.004 -.000 NOMINAL TUBE WALL THICKNESS /9/ .028	A +.004 -.000 NOMINAL TUBE WALL THICKNESS /9/ .035	A +.004 -.000 NOMINAL TUBE WALL THICKNESS /9/ .049	B +.004 -.002	C ±.005	D ±.0025	E	F ±.0015 /8/	H ±.002 /8/
03	.188	.130	.116	-	.192	.037	.0190	.190- .196	.0165	-
04	.250	.190	.176	-	.252	.037	.0190	.250- .256	.0165	-
05	.312	.252	.238	-	.314	.053	.0260	.312- .318	.0165	-
06	.375	.315	.301	.273	.377	.053	.0260	.375- .381	.0165	.026
08	.500	.440	.426	.398	.502	.053	.0260	.500- .506	.0165	.026
10	.625	.565	.551	.523	.627	.053	.0260	.625- .631	.0165	.026
12	.750	.690	.676	.648	.752	.053	.0260	.75- .76	.0165	.026
16	1.000	.940	.926	.898	1.002	.053	.0260	1.00-1.01	.0165	.026
20	1.250	1.190	1.176	1.148	1.252	.053	.0260	1.25-1.26	.0165	.026
24	1.500	1.440	1.426	1.398	1.502	.053	.0260	1.50-1.51	.0165	.026
28	1.750	1.690	1.676	1.648	1.752	.053	.0260	1.75-1.76	.0165	.026
32	2.000	1.940	1.926	1.898	2.002	.053	.0260	2.00-2.01	.0165	.026
36	2.250	2.190	2.176	2.148	2.252	.053	.0260	2.25-2.26	.0165	.026
40	2.500	2.440	2.426	2.398	2.502	.053	.0260	2.50-2.51	.0165	.026
44	2.750	2.690	2.676	2.654	2.752	.053	.0260	2.75-2.76	.0165	.026
48	3.000	2.940	2.926	2.898	3.002	.053	.0260	3.00-3.01	.0165	.026
52	3.250	3.190	3.176	3.154	3.252	.053	.0260	3.25-3.26	.0165	.026
56	3.500	3.440	3.426	3.398	3.502	.053	.0260	3.50-3.51	.0165	.026
64	4.000	3.940	3.926	3.898	4.002	.053	.0260	4.00-4.01	.0165	.026
72	4.500	4.440	4.426	4.398	4.502	.053	.0260	4.50-4.51	.0165	.026
80	5.000	4.940	4.926	4.898	5.002	.053	.0260	5.00-5.01	.0165	.026
88	5.500	5.440	5.426	5.404	5.502	.053	.0260	5.50-5.51	.0165	.026
96	6.000	5.940	5.926	5.904	6.002	.053	.0260	6.00-6.01	.0165	.026
104	6.500	6.440	6.426	6.404	6.502	.053	.0260	6.50-6.51	.0165	.026
112	7.000	6.940	6.926	6.904	7.002	.053	.0260	7.00-7.01	.0165	.026
120	7.500	7.440	7.426	7.404	7.502	.053	.0260	7.50-7.51	.0165	.026

TABLE 1B - DIMENSIONS (MILLIMETER)

BASIC NO. AS5449 /9/ SIZE CODE	(NOMINAL TUBE SIZE)	A +0.102 0 NOMINAL TUBE WALL THICKNESS /9/ .028 [0.711]	A +0.102 0 .035 [0.889]	A +0.102 0 .049 [1.245]	B +0.102 - 0.051	C +0.127 - 0.127	D +.063 -.063	E		F ±0.03 /8/	H ±0.051 /8/
03	4.775	3.302	2.946	-	4.877	0.940	0.483	4.826-	4.978	0.419	-
04	6.350	4.826	4.470	-	6.401	0.940	0.483	6.350-	6.502	0.419	-
05	7.925	6.401	6.045	-	7.976	1.346	0.660	7.925-	8.077	0.419	-
06	9.525	8.001	7.645	6.934	9.576	1.346	0.660	9.525-	9.677	0.419	0.66
08	12.700	11.176	10.820	10.109	12.751	1.346	0.660	12.700-	12.852	0.419	0.66
10	15.875	14.351	13.995	13.284	15.926	1.346	0.660	15.875-	16.027	0.419	0.66
12	19.050	17.526	17.170	16.459	19.101	1.346	0.660	19.05-	19.30	0.419	0.66
16	25.400	23.876	23.520	22.809	25.451	1.346	0.660	25.40-	25.65	0.419	0.66
20	31.750	30.226	29.870	29.159	31.801	1.346	0.660	31.75-	32.00	0.419	0.66
24	38.100	36.576	36.220	35.509	38.151	1.346	0.660	38.10-	38.35	0.419	0.66
28	44.450	42.926	42.570	41.859	44.501	1.346	0.660	44.45-	44.70	0.419	0.66
32	50.800	49.276	48.920	48.209	50.851	1.346	0.660	50.80-	51.05	0.419	0.66
36	57.150	55.626	55.270	54.559	57.201	1.346	0.660	57.15-	57.40	0.419	0.66
40	63.500	61.976	61.620	60.909	63.551	1.346	0.660	63.50-	63.74	0.419	0.66
44	69.850	68.326	67.970	67.412	69.901	1.346	0.660	69.85-	70.10	0.419	0.66
48	76.200	74.676	74.320	73.609	76.251	1.346	0.660	76.20-	76.45	0.419	0.66
52	82.550	81.026	80.670	80.112	82.601	1.346	0.660	82.55-	82.80	0.419	0.66
56	88.900	87.376	87.020	86.309	88.951	1.346	0.660	88.90-	89.15	0.419	0.66
64	101.600	100.076	99.720	99.009	101.651	1.346	0.660	101.60-	101.85	0.419	0.66
72	114.300	112.776	112.420	111.709	114.351	1.346	0.660	114.30-	114.55	0.419	0.66
80	127.000	125.476	125.120	124.409	127.051	1.346	0.660	127.00-	127.25	0.419	0.66
88	139.700	138.176	137.820	137.262	139.751	1.346	0.660	139.70-	139.95	0.419	0.66
96	152.400	150.876	150.520	149.962	152.451	1.346	0.660	152.40-	152.65	0.419	0.66
104	165.100	163.576	163.220	162.662	165.151	1.346	0.660	165.10-	165.35	0.419	0.66
112	177.800	176.276	175.920	175.362	177.851	1.346	0.660	177.80-	178.05	0.419	0.66
120	190.500	188.976	188.620	188.062	190.551	1.346	0.660	190.50-	190.75	0.419	0.66