

RATIONALE

COMPLETELY REDRAWN FOR CLARITY AND TO ADD METRIC EQUIVALENTS. ADDED NEW STYLES D AND E FOR STRAIGHT 37° CONE. ADDED TABLES FOR METRIC EQUIVALENTS. REVISED NOTE 3 NOT TO ALLOW CIRCUMFERENTIAL FLAWS. ADDED NEW NOTES 9 AND 10 TO INDICATE APPLICABILITY OF DIMENSIONS. NOTES INDICATING TOLERANCES REVISED TO ADD METRIC EQUIVALENTS.

REV.
E

AS1708

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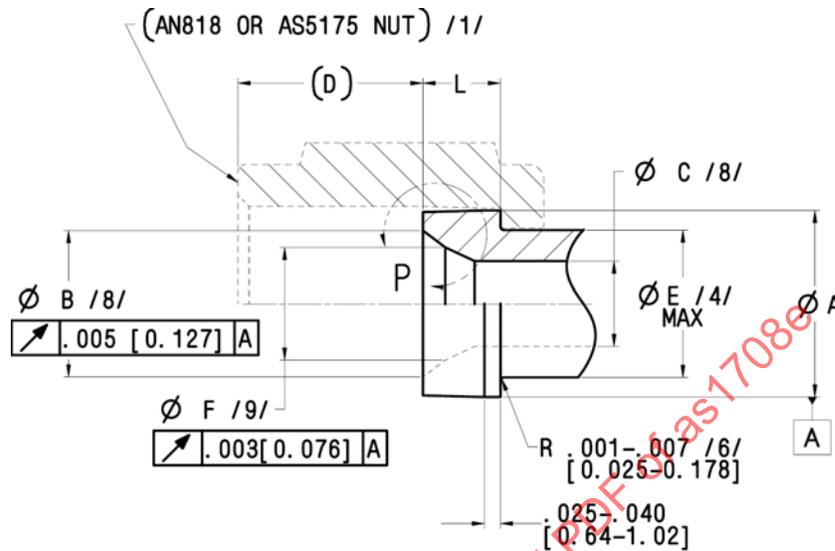


FIGURE 1 - FITTING END DESIGN, STYLE A

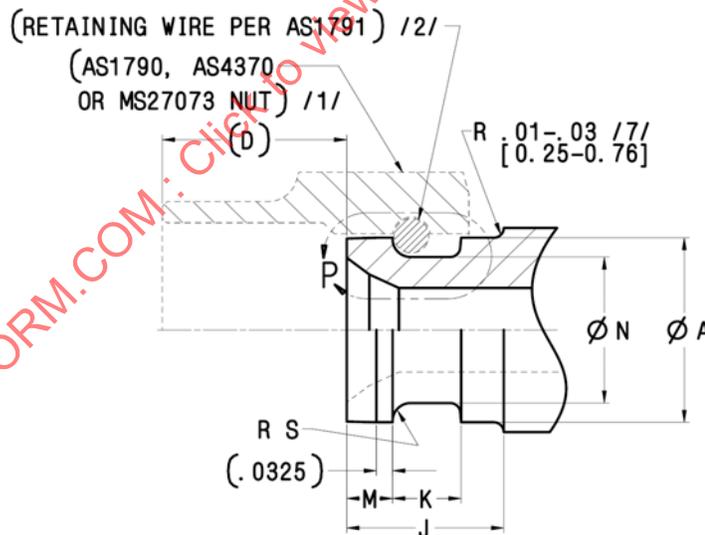
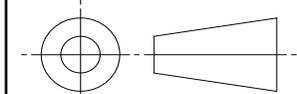


FIGURE 2 - FITTING END DESIGN, STYLE B
SAME AS STYLE A EXCEPT AS SHOWN

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3 - G-3B

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

(R) FITTING END,
INTERNAL FLARE,
DESIGN STANDARD

AS1708
SHEET 1 OF 8

**REV.
E**

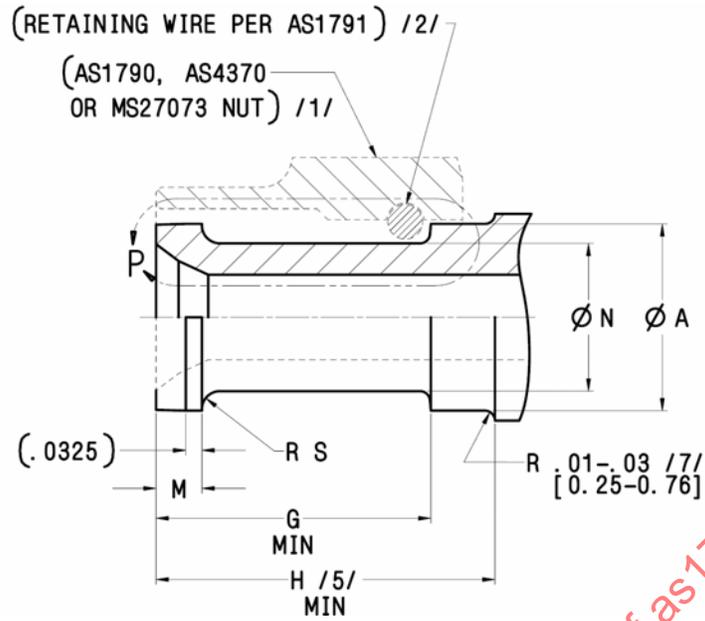
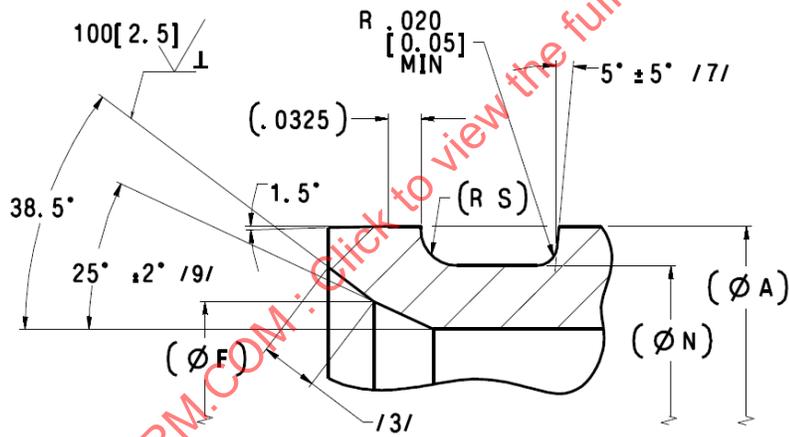


FIGURE 3 - FITTING END DESIGN, STYLE C
SAME AS STYLE A EXCEPT AS SHOWN



"ENLARGED VIEW P"

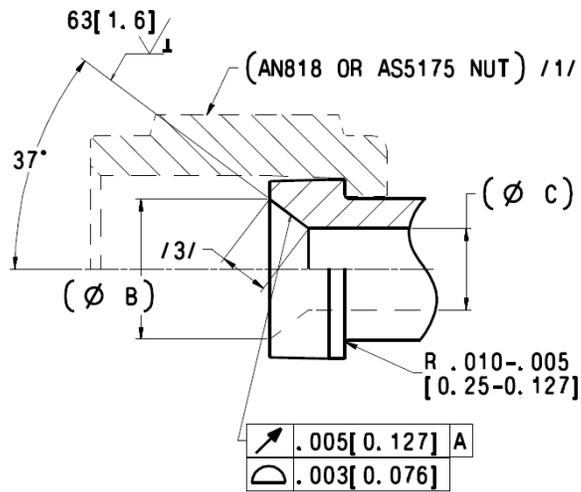


FIGURE 4 - FITTING END DESIGN, STYLE D /1/
 SAME AS STYLE A EXCEPT AS SHOWN

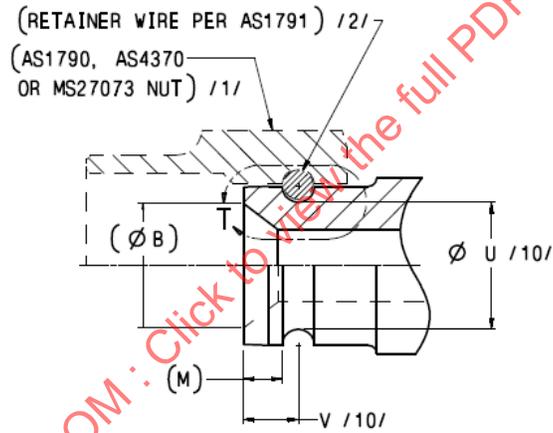
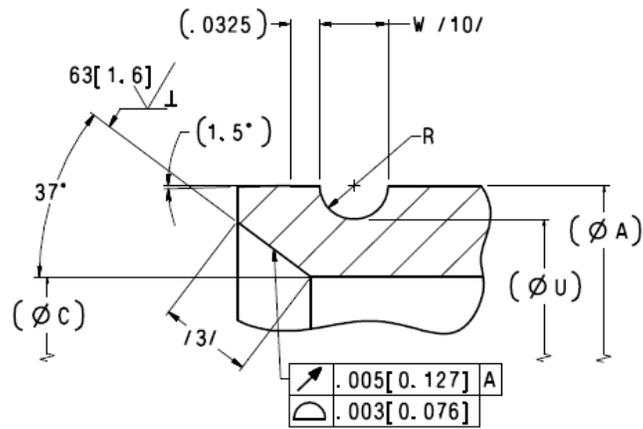


FIGURE 5 - FITTING END DESIGN, STYLE E /1/
 SAME AS STYLE D EXCEPT AS SHOWN

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	AEROSPACE STANDARD	AS1708 SHEET 3 OF 8	REV. E
	(R) FITTING END, INTERNAL FLARE, DESIGN STANDARD		



"ENLARGED VIEW T"

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	AEROSPACE STANDARD	AS1708 SHEET 4 OF 8	REV. E
	(R) FITTING END, INTERNAL FLARE, DESIGN STANDARD		

TABLE 1A - DIMENSIONS A - G, ENGLISH UNITS (IN)

BASIC NO. AS1708 /17/ SIZE CODE	TUBE SIZE	A	B	C	D	E	F +.015 -.000	G
02	.125	.261 - .264	.195	.058 - .065	.337	.172	.125	.510
03	.187	.321 - .326	.245	.121 - .128	.337	.235	.180	.523
04	.250	.374 - .379	.295	.168 - .175	.375	.297	.227	.548
05	.312	.437 - .442	.355	.230 - .237	.375	.367	.289	.603
06	.375	.499 - .504	.435	.293 - .301	.375	.433	.352	.626
07	.437	.556 - .561	.498	.355 - .363	.396	.495	.446	.646
08	.500	.679 - .684	.570	.387 - .395	.438	.563	.467	.720
09	.562	.735 - .740	.633	.414 - .422	.424	.627	.541	.776
10	.625	.795 - .800	.680	.480 - .488	.515	.691	.580	.822
11	.687	.900 - .905	.799	.542 - .552	.581	.763	.658	.955
12	.750	.970 - .975	.850	.604 - .614	.562	.827	.709	.854
14	.875	1.086 - 1.091	.985	.729 - .739	.624	.954	.845	.941
16	1.000	1.218 - 1.224	1.103	.839 - .851	.620	1.082	.958	.949
18	1.125	1.398 - 1.403	1.293	.948 - .960	.637	1.210	1.080	1.052
20	1.250	1.530 - 1.536	1.410	1.073 - 1.086	.620	1.340	1.200	1.033
24	1.500	1.781 - 1.786	1.625	1.307 - 1.320	.765	1.610	1.436	1.179
28	1.750	2.156 - 2.161	2.014	1.542 - 1.557	.832	1.883	1.723	1.286
32	2.000	2.405 - 2.410	2.240	1.776 - 1.791	.937	2.160	1.947	1.414
40	2.500	2.906 - 2.911	2.760	2.276 - 2.291	.752	2.660	2.460	-
48	3.000	3.406 - 3.411	3.258	2.776 - 2.791	.852	3.173	2.960	-

TABLE 1B - DIMENSIONS A - G, SI UNITS (MM)

BASIC NO. AS1708 /17/ SIZE CODE	TUBE SIZE	A	B	C	D	E	F +0.38 -0.00	G
02	3.18	6.63 - 6.71	4.95	1.47 - 1.65	8.56	4.37	3.18	12.95
03	4.75	8.15 - 8.28	6.22	3.07 - 3.25	8.56	5.97	4.57	13.28
04	6.35	9.50 - 9.63	7.49	4.27 - 4.45	9.53	7.54	5.77	13.92
05	7.92	11.10 - 11.23	9.02	5.84 - 6.02	9.53	9.32	7.34	15.32
06	9.53	12.67 - 12.80	11.05	7.44 - 7.65	9.53	11.00	8.94	15.90
07	11.10	14.12 - 14.25	12.65	9.02 - 9.22	10.06	12.58	11.33	16.41
08	12.70	17.25 - 17.37	14.48	9.83 - 10.03	11.13	14.30	11.86	18.29
09	14.27	18.67 - 18.80	16.08	10.52 - 10.72	10.77	15.93	13.74	19.71
10	15.88	20.19 - 20.32	17.27	12.19 - 12.4	13.08	17.55	14.73	20.88
11	17.45	22.86 - 22.99	20.29	13.77 - 14.02	14.76	19.38	16.71	24.26
12	19.05	24.64 - 24.77	21.59	15.34 - 15.6	14.27	21.01	18.01	21.69
14	22.23	27.58 - 27.71	25.02	18.52 - 18.77	15.85	24.23	21.46	23.90
16	25.4	30.94 - 31.09	28.016	21.31 - 21.62	15.75	27.48	24.33	24.10
18	28.58	35.51 - 35.64	32.84	24.08 - 24.38	16.18	30.73	27.43	26.72
20	31.75	38.86 - 39.01	35.81	27.25 - 27.58	15.75	34.04	30.48	26.24
24	38.10	45.24 - 45.36	41.28	33.2 - 33.53	19.43	40.89	36.47	29.95
28	44.45	54.76 - 54.89	51.16	39.17 - 39.55	21.13	47.83	43.76	32.66
32	50.80	61.09 - 61.21	56.90	45.11 - 45.49	23.80	54.86	49.45	35.92
40	63.50	73.81 - 73.94	70.10	57.81 - 58.19	19.10	67.56	62.48	-
48	76.20	86.51 - 86.64	82.75	70.51 - 70.89	21.64	80.59	75.18	-



AEROSPACE STANDARD

(R) FITTING END,
INTERNAL FLARE,
DESIGN STANDARDAS1708
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TABLE 2A - DIMENSIONS H - S, ENGLISH UNITS (IN)

BASIC NO. AS1708 /17/ SIZE CODE	TUBE SIZE	H	J	K	L ±.005	M ±.005	N +.000 -.005	S ±.004	U	V ±.002	W ±.002
02	.125	.631	.304	.134	.123	.089	.178	.036	-	-	-
03	.187	.634	.307	.134	.169	.105	.243	.036	.238 - .243	.134	.076
04	.250	.680	.315	.134	.157	.092	.298	.036	.293 - .298	.129	.076
05	.312	.727	.362	.142	.204	.140	.346	.040	.341 - .346	.173	.086
06	.375	.758	.393	.142	.228	.163	.403	.040	.398 - .403	.196	.086
07	.437	.798	.435	.142	.267	.186	.460	.040	-	-	-
08	.500	.883	.455	.157	.285	.180	.564	.047	.559 - .564	.217	.100
09	.562	.951	.495	.157	.299	.209	.619	.047	-	-	-
10	.625	1.008	.503	.157	.302	.204	.679	.047	.674 - .679	.261	.100
11	.687	1.141	.515	.187	.287	.200	.752	.062	-	-	-
12	.750	1.055	.503	.187	.306	.160	.821	.062	.816 - .821	.214	.130
14	.875	1.175	.566	.187	.291	.203	.938	.062	-	-	-
16	1.000	1.165	.555	.187	.342	.198	1.068	.062	1.080 - 1.088	.243	.130
18	1.125	1.272	.609	.187	.353	.247	1.250	.062	-	-	-
20	1.250	1.258	.648	.187	.397	.282	1.382	.062	-	-	-
24	1.500	1.446	.691	.187	.405	.282	1.635	.062	-	-	-
28	1.750	1.599	.793	.187	.484	.338	2.008	.062	-	-	-
32	2.000	1.774	.847	.187	.525	.345	2.265	.062	-	-	-
40	2.500	-	-	.187	.576	.403	2.758	-	-	-	-
48	3.000	-	-	.187	.600	.420	3.258	-	-	-	-

TABLE 2B - DIMENSIONS H - S, SI UNITS (MM)

BASIC NO. AS1708 /17/ SIZE CODE	TUBE SIZE	H	J	K	L ±0.13	M ±0.13	N 0 -0.13	S ±0.10	U	V ±0.05	W ±0.05
02	3.18	16.03	7.72	3.40	3.12	2.26	4.52	0.91	-	-	-
03	4.75	16.10	7.80	3.40	4.29	2.67	6.17	0.91	6.05 - 6.17	3.40	1.93
04	6.35	17.27	8.00	3.40	3.99	2.34	7.57	0.91	7.44 - 7.57	3.28	1.93
05	7.92	18.47	9.19	3.61	5.18	3.56	8.79	1.02	8.66 - 8.79	4.39	2.18
06	9.53	19.25	9.98	3.61	5.79	4.14	10.24	1.02	10.11 - 10.24	4.98	2.18
07	11.10	20.27	11.05	3.61	6.78	4.72	11.68	1.02	-	-	-
08	12.70	22.43	11.56	3.99	7.24	4.57	14.33	1.19	14.20 - 14.33	5.51	2.54
09	14.27	24.16	12.57	3.99	7.59	5.31	15.72	1.19	-	-	-
10	15.88	25.60	12.78	3.99	7.67	5.18	17.25	1.19	17.12 - 17.25	6.63	2.54
11	17.45	28.98	13.08	4.75	7.29	5.08	19.10	1.57	-	-	-
12	19.05	26.80	12.78	4.75	7.77	4.06	20.85	1.57	20.73 - 20.85	5.44	3.30
14	22.23	29.85	14.38	4.75	7.39	5.16	23.83	1.57	-	-	-
16	25.40	29.59	14.10	4.75	8.69	5.03	27.13	1.57	27.43 - 27.64	6.17	3.30
18	28.58	32.31	15.47	4.75	8.97	6.27	31.75	1.57	-	-	-
20	31.75	31.95	16.46	4.75	10.08	7.16	35.10	1.57	-	-	-
24	38.10	36.73	17.55	4.75	10.29	7.16	41.53	1.57	-	-	-
28	44.45	40.61	20.14	4.75	12.29	8.59	51.00	1.57	-	-	-
32	50.80	45.06	21.51	4.75	13.34	8.76	57.53	1.57	-	-	-
40	63.50	-	-	4.75	14.63	10.24	70.05	-	-	-	-
48	76.20	-	-	4.75	15.24	10.67	82.75	-	-	-	-



AEROSPACE STANDARD

(R) FITTING END,
INTERNAL FLARE,
DESIGN STANDARDAS1708
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