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AS1008
REV. D

FEDERAL SUPPLY CLASS
4730

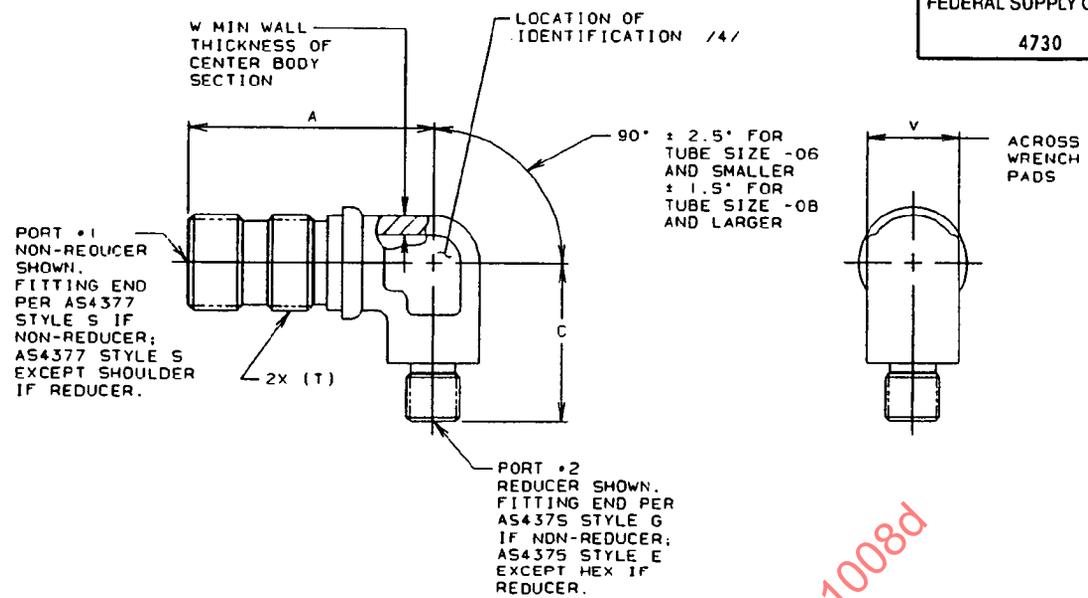
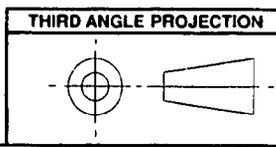


FIGURE 1 - ELBOW, 90°, BULKHEAD

TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. AS1008 /10/ /16/ SIZE CODE	V	W	LB/EA		LB/EA MAX CRES	LB/EA MAX TI
			MAX ALUM	MAX CRES		
02	.312	.090	.017	.048	.027	
03	.375	.100	.023	.064	.036	
04	.438	.110	.025	.071	.040	
05	.500	.120	.038	.102	.058	
06	.562	.120	.054	.123	.070	
08	.750	.150	.091	.237	.136	
10	.875	.170	.133	.400	.230	
12	1.062	.185	.190	.560	.305	
14	1.188	.200	---	---	---	
16	1.312	.205	.310	.920	.530	
20	1.625	.240	.524	1.330	.757	
24	1.875	.250	.700	1.960	1.130	
32	2.562	.350	---	---	---	



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /3/ MIL-F-18280

SAE INTERNATIONAL The Engineering Society For Advancing Mobility Land Sea Air and Space

AEROSPACE STANDARD

ELBOW, 90°, STANDARD AND REDUCER, BULKHEAD, FLARELESS TUBE

AS1008

SHEET 1 OF 5

REV. D

400 Commonwealth Drive, Warrendale, PA 15096-0001

ISSUED 1966-03-15 REVISED 1992-09-29 (D)

TABLE 2 - LEG LENGTH A

SIZE OF PORT #1	FORGING																	
	SIZE /10/ 02	SIZE /10/ 03	SIZE /10/ 04	SIZE /10/ 05	SIZE /10/ 06	SIZE /10/ 08	SIZE /10/ 10	SIZE /10/ 12	SIZE /10/ 14	SIZE /10/ 16	SIZE /10/ 20	SIZE /10/ 24	SIZE /10/ 28	SIZE /10/ 32	SIZE /10/ 36	SIZE /10/ 40	SIZE /10/ 44	SIZE /10/ 48
02	1.336	1.367	1.413	1.445	1.555	1.664	1.804	1.914	2.024	2.039	2.320	2.602	2.992	3.384	3.776	4.168	4.562	4.956
03	---	1.414	1.460	1.492	1.602	1.711	1.851	1.961	2.071	2.086	2.367	2.649	3.039	3.430	3.820	4.210	4.600	4.990
04	---	---	1.523	1.555	1.665	1.774	1.914	2.024	2.134	2.149	2.430	2.712	3.102	3.492	3.882	4.272	4.662	5.052
05	---	---	---	1.555	1.665	1.774	1.914	2.024	2.134	2.149	2.430	2.712	3.102	3.492	3.882	4.272	4.662	5.052
06	---	---	---	---	1.711	1.820	1.969	2.070	2.180	2.195	2.476	2.758	3.148	3.538	3.928	4.318	4.708	5.098
08	---	---	---	---	---	1.992	2.132	2.242	2.352	2.367	2.648	2.930	3.320	3.710	4.100	4.490	4.880	5.270
10	---	---	---	---	---	---	2.273	2.383	2.493	2.508	2.789	3.071	3.461	3.851	4.241	4.631	5.021	5.411
12	---	---	---	---	---	---	---	2.492	2.617	2.617	2.898	3.180	3.570	3.960	4.350	4.740	5.130	5.520
14	---	---	---	---	---	---	---	---	2.543	2.617	2.898	3.180	3.570	3.960	4.350	4.740	5.130	5.520
16	---	---	---	---	---	---	---	---	---	2.617	2.898	3.180	3.570	3.960	4.350	4.740	5.130	5.520
20	---	---	---	---	---	---	---	---	---	---	2.898	3.180	3.570	3.960	4.350	4.740	5.130	5.520
24	---	---	---	---	---	---	---	---	---	---	---	3.180	3.570	3.960	4.350	4.740	5.130	5.520
32	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.773

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TABLE 3 - LEG LENGTH C

SIZE OF PORT #1	FORGING SIZE																	
	/10/ 02	/10/ 03	/10/ 04	/10/ 05	/10/ 06	/10/ 08	/10/ 10	/10/ 12	/10/ 14	/10/ 16	/10/ 20	/10/ 24	/10/ 24	/10/ 24	/10/ 24	/10/ 24	/10/ 24	/10/ 24
02	.804	.883	.883	.977	.992	1.149	1.274	1.335	1.398	1.429	1.710	1.698	1.698	1.698	1.698	1.698	1.698	1.698
03	---	.930	.930	1.024	1.039	1.196	1.320	1.383	1.445	1.476	1.757	1.945	1.945	1.945	1.945	1.945	1.945	1.945
04	---	---	.961	1.055	1.070	1.227	1.352	1.414	1.476	1.507	1.788	1.976	1.976	1.976	1.976	1.976	1.976	1.976
05	---	---	---	1.055	1.070	1.227	1.352	1.414	1.476	1.507	1.788	1.976	1.976	1.976	1.976	1.976	1.976	1.976
06	---	---	---	---	1.086	1.243	1.368	1.430	1.492	1.523	1.804	1.992	1.992	1.992	1.992	1.992	1.992	1.992
08	---	---	---	---	---	1.336	1.461	1.523	1.585	1.616	1.897	2.085	2.085	2.085	2.085	2.085	2.085	2.085
10	---	---	---	---	---	---	1.524	1.586	1.648	1.679	1.960	2.148	2.148	2.148	2.148	2.148	2.148	2.148
12	---	---	---	---	---	---	---	1.649	1.742	1.742	2.023	2.211	2.211	2.211	2.211	2.211	2.211	2.211
14	---	---	---	---	---	---	---	---	1.693	1.742	2.023	2.211	2.211	2.211	2.211	2.211	2.211	2.211
16	---	---	---	---	---	---	---	---	---	1.742	2.023	2.211	2.211	2.211	2.211	2.211	2.211	2.211
20	---	---	---	---	---	---	---	---	---	---	2.023	2.211	2.211	2.211	2.211	2.211	2.211	2.211
24	---	---	---	---	---	---	---	---	---	---	---	2.211	2.211	2.211	2.211	2.211	2.211	2.211
32	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2.398

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AEROSPACE STANDARD

ELBOW, 90°
STANDARD AND REDUCER, BULKHEAD,
FLARELESS TUBE

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TABLE 4 - TUBE SIZE AND CORRESPONDING THREAD

PORT SIZE	(NOMINAL)	
	TUBE SIZE)	T THREAD PER MIL-S-8879
02	.125	.3125-24UNJF
03	.188	.3750-24UNJF
04	.250	.4375-20UNJF
05	.312	.5000-20UNJF
06	.375	.5625-18UNJF
08	.500	.7500-16UNJF
10	.625	.8750-14UNJF
12	.750	1.0625-12UNJ
14	.875	1.1875-12UNJ
16	1.000	1.3125-12UNJ
20	1.250	1.6250-12UNJ
24	1.500	1.8750-12UNJ
32	2.000	2.5000-12UNJ

NOTES:

/1/ MATERIAL:

- a. CODE LETTER D: 2014T6 ALUMINUM ALLOY FORGING PER AMS 4133 OR QQ-A-367; OR 2024T6 ALUMINUM ALLOY BAR PER AMS 4112 OR QQ-A-225/6; OR 2024T651 ALUMINUM ALLOY BAR PER QQ-A-225/6.
- b. CODE LETTER F: 4130 STEEL FORGING OR BAR PER AMS 6370 OR MIL-S-6758.
- c. CODE LETTER J: 30304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS 5639 OR 304 CORROSION RESISTANT STEEL PER QQ-S-763.
- d. CODE LETTER K: 30316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS 5648 OR 316 CORROSION RESISTANT STEEL PER QQ-S-763.
- e. CODE LETTER R: 30321 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS 5645 OR 321 CORROSION RESISTANT STEEL PER QQ-S-763. /7/
- f. CODE LETTER S: 30347 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS 5646 OR 347 CORROSION RESISTANT STEEL PER QQ-S-763. /8/
- g. CODE LETTER T: 6AL4V TITANIUM ALLOY FORGING OR BAR PER AMS 4928.
- h. CODE LETTER W: 7075T73 ALUMINUM ALLOY FORGING PER AMS 4141 OR QQ-A-367; OR 7075T7351 ALUMINUM ALLOY BAR PER AMS 4124; DR 7075T73 ALUMINUM ALLOY BAR PER QQ-A-225/9.

2. FINISH:

- a. MATERIAL CODE LETTER D: ANODIZE PER AMS 2472 DR MIL-A-8625, TYPE II, CLASS 2. DYE GREEN, SIMILAR TO COLDR 14187 OF FED-STD-595.
- b. MATERIAL CODE LETTER F: CADMIUM PLATE PER QQ-P-416, TYPE II, CLASS 2.
- c. MATERIAL CODE LETTER J: PASSIVATE PER QQ-P-35, TYPE VI DR VII.
- d. MATERIAL CODE LETTER K: PASSIVATE PER QQ-P-35, TYPE VI DR VII.
- e. MATERIAL CODE LETTER R: PASSIVATE PER QQ-P-35, TYPE VI DR VII.
- f. MATERIAL CODE LETTER S: PASSIVATE PER QQ-P-35, TYPE VI OR VII.
- g. MATERIAL CODE LETTER T: FLUORIDE PHOSPHATE CONVERSION COAT PER AMS 2486.
- h. MATERIAL CODE LETTER W: ANODIZE PER AMS 2472 DR MIL-A-8625, TYPE II, CLASS 2. DYE BROWN, SIMILAR TO COLDR 10080 OF FED-STD-595.

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