

REV.  
E

AS1008

FEDERAL SUPPLY CLASS  
4730

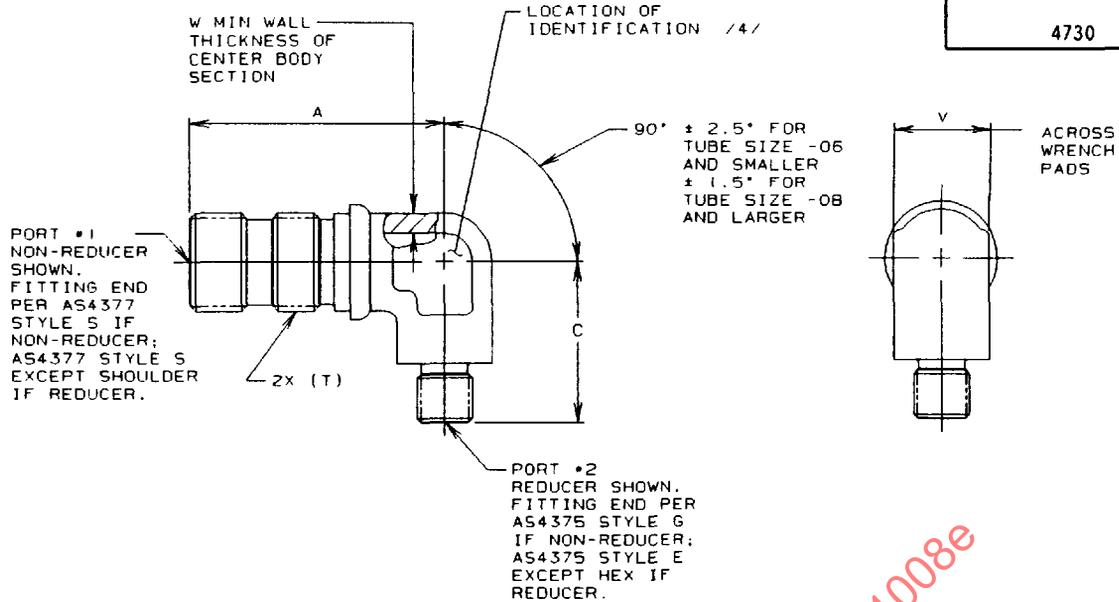
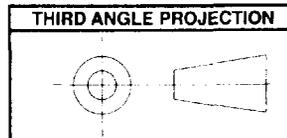


FIGURE 1 - ELBOW, 90°, BULKHEAD

TABLE 1 - DIMENSIONS AND WEIGHTS

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



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /3/ MIL-F-18280

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**INTERNATIONAL**

400 Commonwealth Drive, Warrendale, PA 15096 0001

**AEROSPACE STANDARD**

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

**AS1008**

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ISSUED 1966-03-15 REVISED 1993-08-12 (E)

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TABLE 2 - LEG LENGTH A

SIZE OF PORT #1	FORGING SIZE /10/		FORGING SIZE /10/		FORGING SIZE /10/		FORGING SIZE /10/													
	02	03	04	05	06	08	10	12	14	16	20	24	32	02	03	04	05	06	08	
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	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---
04	---	---	1.523	1.555	1.665	1.774	1.914	2.024	2.134	2.149	2.430	2.712	3.102	---	---	---	---	---	---	---
05	---	---	---	1.555	1.665	1.774	1.914	2.024	2.134	2.149	2.430	2.712	3.102	---	---	---	---	---	---	---
06	---	---	---	---	1.711	1.820	1.960	2.070	2.180	2.195	2.476	2.758	3.148	---	---	---	---	---	---	---
08	---	---	---	---	---	1.992	2.132	2.242	2.352	2.367	2.648	2.930	3.320	---	---	---	---	---	---	---
10	---	---	---	---	---	---	2.273	2.383	2.493	2.508	2.789	3.071	3.461	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	2.492	2.617	2.617	2.898	3.180	3.570	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	2.543	2.617	2.898	3.180	3.570	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	2.617	2.898	3.180	3.570	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	2.898	3.180	3.570	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	3.180	3.570	---	---	---	---	---	---	---
32	---	---	---	---	---	---	---	---	---	---	---	---	3.773	---	---	---	---	---	---	---

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**AEROSPACE STANDARD**

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

AS1008

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TABLE 3 - LEG LENGTH C

SIZE OF PORT #1	FORGING SIZE /10/		FORGING SIZE /10/		FORGING SIZE /10/		FORGING SIZE /10/		FORGING SIZE /10/		FORGING SIZE /10/		FORGING SIZE /10/		FORGING SIZE /10/		FORGING SIZE /10/		FORGING SIZE /10/	
	02	03	04	05	06	08	10	12	14	16	20	24	32							
02	.804	.883	.883	.977	.992	1.149	1.274	1.335	1.398	1.429	1.710	1.898	2.085							
03	---	.930	.930	1.024	1.039	1.196	1.320	1.383	1.445	1.476	1.757	1.945	2.132							
04	---	---	.961	1.055	1.070	1.227	1.352	1.414	1.476	1.507	1.788	1.976	2.163							
05	---	---	---	1.055	1.070	1.227	1.352	1.414	1.476	1.507	1.788	1.976	2.163							
06	---	---	---	---	1.086	1.243	1.368	1.430	1.492	1.523	1.804	1.992	2.179							
08	---	---	---	---	---	1.336	1.461	1.523	1.585	1.616	1.897	2.085	2.272							
10	---	---	---	---	---	---	1.524	1.586	1.648	1.679	1.960	2.148	2.335							
12	---	---	---	---	---	---	---	1.649	1.742	1.742	2.023	2.211	2.398							
14	---	---	---	---	---	---	---	---	1.693	1.742	2.023	2.211	2.398							
16	---	---	---	---	---	---	---	---	---	1.742	2.023	2.211	2.398							
20	---	---	---	---	---	---	---	---	---	---	2.023	2.211	2.398							
24	---	---	---	---	---	---	---	---	---	---	---	2.211	2.398							
32	---	---	---	---	---	---	---	---	---	---	---	---	2.398							

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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 2024T851 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; OR 7075T73 ALUMINUM ALLOY BAR PER QQ-A-225/9.

## 2. FINISH:

- a. MATERIAL CODE LETTER D: ANODIZE PER AMS 2472 OR MIL-A-8625, TYPE II, CLASS 2. DYE GREEN, SIMILAR TO COLOR 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 OR VII.
- d. MATERIAL CODE LETTER K: PASSIVATE PER QQ-P-35, TYPE VI OR VII.
- e. MATERIAL CODE LETTER R: PASSIVATE PER QQ-P-35, TYPE VI OR 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 OR MIL-A-8625, TYPE II, CLASS 2. DYE BROWN, SIMILAR TO COLOR 10080 OF FED-STD-595.

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