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### **RATIONALE**

ADD NOTE: "WHEN MACHINED FROM BAR OR OVERSIZE FORGING, THE CENTER BODY DIMENSIONS SHALL CONFORM TO AS1376, TABLE 1." "INACTIVE" REMOVED FROM MATERIAL CODE "S" AND REPLACED BY EXPLANATORY NOTE /18D/, UPDATE PROCUREMENT SPECIFICATION NOTE TO CURRENT VERBIAGE.

### NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS21904 AND RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

PROCUREMENT OF MS21904 PART NUMBERS TO THIS "AS" STANDARD MAY RESULT IN LOSS OF CONFIGURATION CONTROL WHERE DIFFERENCES IN THE CANCELLED MIL-F-18280 AND THE SUPERSEDING AS18280 PROCUREMENT SPECIFICATIONS EXIST. AS1004 IS A RECOMMENDED REPLACEMENT STANDARD THAT ELIMINATES THIS PROBLEM.

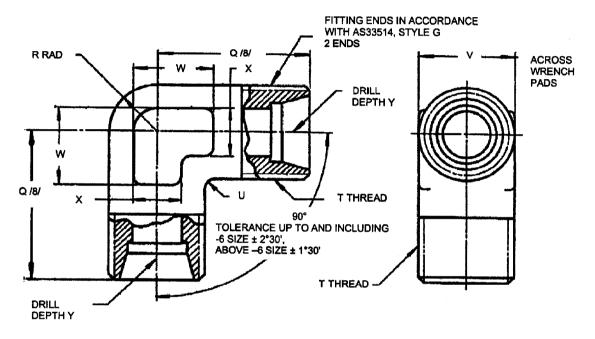


FIGURE 1 - ELBOW. FLARELESS TUBE, 90 DEGREES

For more information on this standard, visit https://www.sae.org/standards/content/AS21904E/

THIRD ANGLE PROJECTION

CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /11/



**AEROSPACE STANDARD** ELBOW,

FLARELESS TUBE, 90 DEGREES

AS21904™ SHEET 1 OF 4 REV. Ε

**REVISED 2023-02** 

REAFFIRMED 2015-04

1998-03

SSUED

# TABLE 1A - DIMENSIONS Q-V

DASH	NOMINAL		Q /8/			
		(T) TUDE AD		_		
NO.	TUBE SIZE	(T) THREAD	+.047	R	U	
/5/	REF	AS8879	000	RAD	RAD	V
-2	.125	.3125-24 UNJF-3A	.750	.156	.063	.313
-3	.188	.3750-24 UNJF-3A	.813	.188	.063	.375
-4	.250	.4375-20 UNJF-3A	.875	.219	.063	.438
-5	.313	.5000-20 UNJF-3A	.938	.250	.063	.500
-6	.375	.5625-18 UNJF-3A	1.031	.281	.094	.563
-8	.500	.7500-16 UNJF-3A	1.250	.375	.094	.750
-10	.625	.8750-14 UNJF-3A	1.406	.438	.094	.875
-12	.750	1.0625-12 UNJ-3A	1.563	.531	.094	1.063
-16	1.000	1.3125-12 UNJ-3A	1.719	.656	.125	1.313
-20	1.250	1.6250-12 UNJ-3A	1.875	.813	.125	1.625
-24	1.500	1.8750-12 UNJ-3A	2.000	.938	.125	1.875
-32	2.000	2.5000-12 UNJ-3A	2.438	1.250	.250	2.563

### TABLE 1B - DIMENSIONS W-Y

DASH			Υ	WEIGHT, LB/EA, APPROX, REF			
NO.	W	X	+.047		AL	TI	
/5/	APPROX	APPROX	000	STEEL	ALLOY	ALLOY	
-2	.313	.188	.781	.040	.014	.023	
-3	.313	.250	.844	.056	.020	.032	
-4	.375	.250	.922	.062	.022	.035	
-5	.500	.313	.984	.086	.031	.049	
-6	.500	.313	1.063	.104	.037	.060	
-8	.625	.438	1.313	.191	.064	.110	
-10	.750	.438	1.469	.258	.087	.148	
-12	.875	.500	1.625	.402	.135	.231	
-16	1.063	.625	1.844	.535	.200	.308	
-20	1.250	.750	2.000	.792	.265	.456	
-24	1.438	.875	2.313	1.262	.463	.728	
-32	2.000	1.188	2.688	3.062	1.125	1.766	

NOTES:

# NOTICE

THIS DOCUMENT REFERENCES PARTS THAT CONTAIN CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

# 1. MATERIAL:

REFER TO PROCUREMENT SPECIFICATION ALLOY STEEL ALUMINUM ALLOY CORROSION RESISTANT STEEL TITANIUM ALLOY

- 2. FINISH: REFER TO PROCUREMENT SPECIFICATION.
- 3. BREAK EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
- 4. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ±.016, ANGLES ±0°30'.

	AEROSPACE STANDARD	A C24004TM	REV.
INTERNATIONAL»	ELBOW, FLARELESS TUBE, 90 DEGREES	<b>AS21904™</b> SHEET 2 OF 4	E E