REV.

AS21909™

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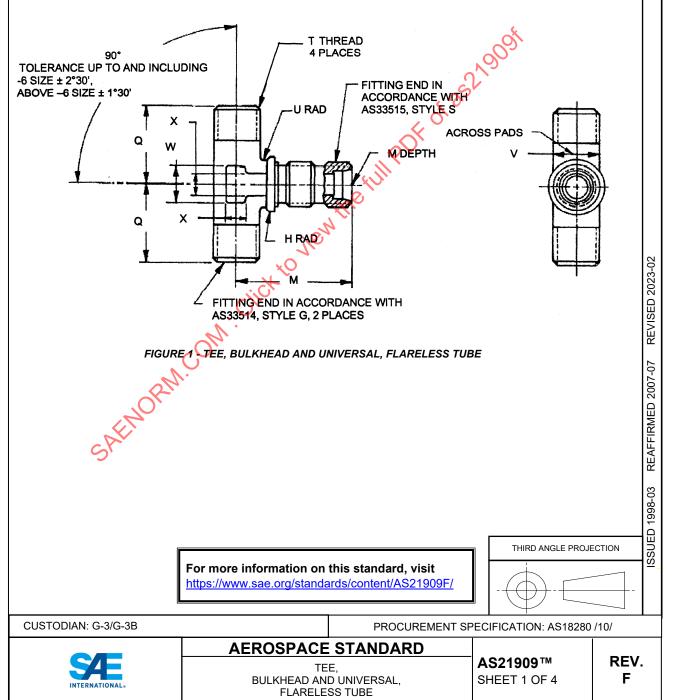
RATIONALE

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 /17D/. UPDATE PROCUREMENT SPECIFICATION NOTE TO CURRENT VERBIAGE.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS21909 AND RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

PROCUREMENT OF MS21909 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.



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TABLE 1A - DIMENSIONS H-U

-	NIONAINIAI					
	NOMINAL					
DASH	TUBE			M	Q	
NO.	SIZE	(T) THREAD	Н	+.047	+.047	U
/5/	REF	AS8879	RAD	000	000	RAD
-2	.125	.3125-24 UNJF-3A	.062	1.312	.781	.062
-3	.188	.3750-24 UNJF-3A	.062	1.390	.906	.062
-4	.250	.4375-20 UNJF-3A	.062	1.500	.937	.062
-5	.313	.5000-20 UNJF-3A	.094	1.531	1.031	.062
-6	.375	.5625-18 UNJF-3A	.094	1.687	1.062	.094
-8	.500	.7500-16 UNJF-3A	.094	1.969	1.312	.094
40	005	0750 44 UNUE 04	004	0.050	4.500	405
-10	.625	.8750-14 UNJF-3A	.094	2.250	1.500	.125
-12	.750	1.0625-12 UNJ-3A	.094	2.469	1.625	.125
-16	1.000	1.3125-12 UNJ-3A	.125	2.594	1.719	.125
-20	1.250	1.6250-12 UNJ-3A	.125	2.875	2.000	.187
-24	1.500	1.8750-12 UNJ-3A	.125	3.156	2.187	.187
-32	2.000	2.5000-12 UNJ-3A	.125	3.750	2.375	.187
-32	2.000	2.3000-12 UN3-3A	. 123	3.730	2.373	70)

TABLE 1B - DIMENSIONS V-X

)
DASH				WEIGHT, L	.B/EA, APP	ROX, REF
NO.		W	X		AL.	TI
/5/	V	APPROX	APPROX	STEEL	ALLOY	ALLOY
-2	.312	.312	.187	.062	.022	.035
-3	.375	.312	.250	.078	.028	.045
-4	.437	.375	.250	.094	.033	.054
-5	.500	.500	.312 👡	.141	.048	.081
-6	.562	.500	.312	.165	.058	.089
-8	.750	.625	.437	.304	.108	.175
			.0			
-10	.875	.750	.437	.450	.166	.259
-12	1.062	.825	.500	.700	.255	.403
-16	1.312	1.062	.625	.965	.342	.556
		45				
-20	1.625	1.250	.750	1.720	.620	.992
-24	1.875	1.437	.875	2.220	.815	1.280
-32	2.562	1.937	1.188			

NOTES:

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS 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 C 24 0 0 0 TM	REV.
INTERNATIONAL®	TEE, BULKHEAD AND UNIVERSAL, FLARELESS TUBE	AS21909™ SHEET 2 OF 4	F

/5/ PART NUMBERS:

MATERIAL CODE DASH "-" IN PART NUMBER FOR 4130 ALLOY STEEL.

ADD MATERIAL CODE "V(SIZE)P" IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED.

ADD MATERIAL CODE "V" IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED.

ADD MATERIAL CODE "D" IN PLACE OF DASH FOR ALUMINUM ALLOY (2014).

ADD MATERIAL CODE "W" IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (TYPE 304).

ADD MATERIAL CODE "K" IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (TYPE 316).

ADD MATERIAL CODE "R" AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL (TYPE 321).

ADD MATERIAL CODE "S" AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL (TYPE 347). /17D/

ADD MATERIAL CODE "T" AFTER DASH NUMBER FOR TITANIUM ALLOY (6AL-4V).

EXAMPLES OF PART NUMBERS:

MS21909-4	TEE, .250 TUBING, 4130 ALLOY STEEL.
MS21909V4P	TEE, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED. SEE TABLE 2. /17A/
MS21909V4	TEE, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED.
MS21909D4	TEE, .250 TUBING, ALUMINUM ALLOY (2014). SEE TABLE 2. /17C/
MS21909W4	TEE, .250 TUBING, ALUMINUM ALLOY (7075).
MS21909J4	TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 304).
MS21909K4	TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 316).
MS21909-4R	TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 321).
MS21909-4S	TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 347). REPLACED, SEE TABLE 2. /17D/
MS21909-4T	TEE, .250 TUBING, TITANIUM ALLOY (6AL-4V).

- 6. PART MARKING: REFER TO PROCUREMENT SPECIFICATION.
- 7. DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982.
- 8. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
- IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.
- /10/ PROCUREMENT SPECIFICATION: AS18280, EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT MANUFACTURED TO THIS STANDARD SHALL MEET THE REQUIREMENTS SPECIFIED HEREIN AND THE PROCUREMENT SPECIFICATION. ORIGINAL COMPONENT MANUFACTURERS (OCM) SHALL BE LISTED IN THE PRI QUALIFIED PRODUCTS LIST (QPL) PRI-QPL-AS18280 FOR THIS STANDARD. SEE www.eAuditNet.com FOR CURRENT QPL ONLINE.
- 11. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES SHALL BE 125 MICROINCHES RA
- 12. REVISION INDICATOR: A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.
- 13. INTERPRETATION OF DRAWING PER AS4296.
- 14. FLUID PASSAGE, HOLE CONTOUR: AS4266 (OPTIONAL).
- 15. INVENTORIED PARTS CONFORMING TO THE PREVIOUS LETTER CHANGE MAY BE USED TO DEPLETION.
- 16. WHEN MACHINED FROM BAR OR OVERSIZE FORGING, THE CENTER BODY DIMENSIONS SHALL CONFORM TO AS1376, TABLE 1.

