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REV.
B

AS21912

FEDERAL SUPPLY CLASS
4730

RATIONALE

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

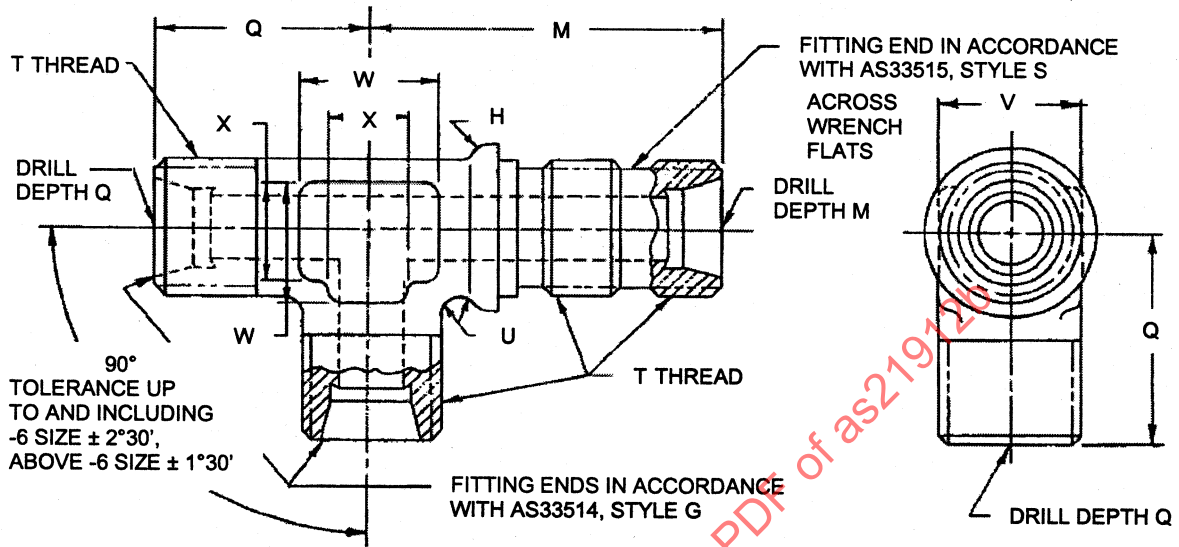


FIGURE 1 - TEE, FLARELESS TUBE WITH BULKHEAD ON RUN

CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280

SAE Aerospace
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(R)
AEROSPACE STANDARD
TEE, FLARELESS TUBE WITH BULKHEAD ON RUN

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SHEET 1 OF 4

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TABLE 1A - DIMENSIONS H-U

DASH NO.	NOMINAL TUBE SIZE	T THREAD AS8879	H RAD	M +.047 -.000	Q +.047 -.000	U RAD
-2	.125	.3125-24 UNJF-3A	.063	1.313	.781	.063
-3	.188	.3750-24 UNJF-3A	.063	1.391	.906	.063
-4	.250	.4375-20 UNJF-3A	.063	1.500	.938	.063
-5	.313	.5000-20 UNJF-3A	.094	1.531	1.031	.063
-6	.375	.5625-18 UNJF-3A	.094	1.688	1.063	.094
-8	.500	.7500-16 UNJF-3A	.094	1.969	1.313	.094
-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	.188
-24	1.500	1.8750-12 UNJ-3A	.125	3.156	2.188	.188
-32	2.000	2.5000-12 UNJ-3A	.125	3.750	2.375	.188

TABLE 1B - DIMENSIONS V-X

DASH NO.	V	W APPROX	X APPROX	WEIGHT, LB/EA. APPROX, REF.		
				STEEL	AL ALLOY	TI ALLOY
-2	.313	.313	.188	.064	.023	.036
-3	.375	.375	.250	.074	.026	.042
-4	.438	.375	.250	.091	.033	.052
-5	.500	.469	.313	.126	.048	.072
-6	.563	.500	.313	.155	.056	.089
-8	.750	.688	.438	.290	.112	.167
-10	.875	.781	.438	.455	.166	.262
-12	1.063	.906	.500	.677	.245	.390
-16	1.313	1.094	.625	.962	.342	.555
-20	1.625	1.313	.750	1.600	.635	.923
-24	1.875	1.500	.875			
-32	2.563	2.031	1.094			

NOTES:

1. MATERIAL:

SEE PROCUREMENT SPECIFICATION.

ALLOY STEEL

ALUMINUM ALLOY

CORROSION RESISTANT STEEL

TITANIUM ALLOY

2. FINISH: SEE PROCUREMENT SPECIFICATION

3. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.

4. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± 0.016 , ANGLES $\pm 0^\circ 30'$.

REV. B	5. PART NUMBERS:				
	DASH “-” IN PART NUMBER FOR 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE 7 /A/ ADD “V(SIZE)P” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED ADD “V” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED ADD “D” IN PLACE OF DASH FOR ALUMINUM ALLOY (2014): CANCELLED AND REPLACED, SEE 7 /C/ ADD “W” IN PLACE OF DASH FOR ALUMINUM ALLOY (7075) ADD “J” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (TYPE 304) ADD “K” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (TYPE 316) ADD “R” AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL (TYPE 321) ADD “S” AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL (TYPE 347): CANCELLED, SEE 7 /D/ ADD “T” AFTER DASH NUMBER FOR TITANIUM ALLOY (6AL-4V) EXAMPLES OF PART NUMBERS: MS21912-4 TEE, .250 TUBING, 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE 7 /A/ MS21912V4P TEE, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED MS21912V4 TEE, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED MS21912D4 TEE, .250 TUBING, ALUMINUM ALLOY (2014) IS CANCELLED AND REPLACED, SEE 7 /C/ MS21912W4 TEE, .250 TUBING, ALUMINUM ALLOY (7075) MS21912J4 TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 304) MS21912K4 TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 316) MS21912-4R TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 321) MS21912-4S TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 347) IS CANCELLED, SEE 7 /D/ MS21912-4T TEE, .250 TUBING, TITANIUM ALLOY (6AL-4V) 6. TITANIUM NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS. 7. SEE TABLE 2 FOR CANCELLED AND SUPERSEDED DOCUMENT AND PART NUMBERS.				
AS21912	TABLE 2 - CANCELLED AND SUPERSEDED DOCUMENT AND PART NUMBERS				
	CANCELLED DOCUMENT NUMBER	PART NUMBERS	SUPERSESSON NOTES	SUPERSEDING DOCUMENT NUMBER	SUPERSEDING PART NUMBERS
	MS21912	MS21912-(2 THRU 32)	/A/	AS21912	MS21912V(2 THRU 32)P
	MS21912	MS21912C(2 THRU 32)	/B/	AS21912	MS21912J(2 THRU 32), MS21912K(2 THRU 32), OR MS21912-(2 THRU 32)R
	MS21912	MS21912D(2 THRU 32)	/C/	AS21912	MS21912W(2 THRU 32)
	MS21912	MS21912W(2 THRU 32)	NONE	AS21912	MS21912W(2 THRU 32)
	MS21912	MS21912J(2 THRU 32)	NONE	AS21912	MS21912J(2 THRU 32)
	MS21912	MS21912K(2 THRU 32)	NONE	AS21912	MS21912K(2 THRU 32)
	MS21912	MS21912-(2 THRU 32)R	NONE	AS21912	MS21912-(2 THRU 32)R
	MS21912	MS21912-(2 THRU 32)S	/D/	AS21912	MS21912-(2 THRU 32)R
	MS21912	MS21912-(2 THRU 32)T	NONE	AS21912	MS21912-(2 THRU 32)T
	/A/ PARTS CODED “-” FOR 4130 ALLOY STEEL ARE NOT TO BE MANUFACTURED. PARTS CODED “V(SIZE)P” FOR CORROSION RESISTANT STEEL (15-5PH) WITH CADMIUM PLATE SHALL BE FURNISHED IN LIEU OF “-” CODED (4130) PARTS. PARTS CODED “-” FOR 4130 ALLOY STEEL MAY BE PROCURED UNTIL 12-31-06.				
	/B/ PARTS CODED “C” FOR CORROSION RESISTANT STEEL (TYPE 303) ARE NOT TO BE MANUFACTURED. PARTS CODED “J”, “K” OR “R” FOR CORROSION RESISTANT STEEL (TYPES 304, 316, OR 321, RESPECTIVELY) SHALL BE FURNISHED IN LIEU OF “C” CODED PARTS AT SUPPLIERS OPTION.				
	/C/ PARTS CODED “D” FOR ALUMINUM ALLOY 2014 ARE NOT TO BE MANUFACTURED. PARTS CODED “W” FOR ALUMINUM ALLOY 7075 SHALL BE FURNISHED IN LIEU OF 2014 (D CODE) PARTS. PARTS CODED “D” FOR ALUMINUM ALLOY 2014 MAY BE PROCURED UNTIL 12-31-06.				
	/D/ PARTS CODED “S” FOR CORROSION RESISTANT STEEL (TYPE 347) ARE NOT TO BE MANUFACTURED. PARTS CODED “S” MAY BE USED UNTIL EXISTING STOCK IS DEPLETED. PARTS CODED “R” FOR CORROSION RESISTANT STEEL (TYPE 321) SHALL BE FURNISHED IN LIEU OF “S” CODED PARTS.				
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		(R) TEE, FLARELESS TUBE WITH BULKHEAD ON RUN			
					REV. B