

REV.
B

AS21905

FEDERAL SUPPLY CLASS
4730

RATIONALE

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

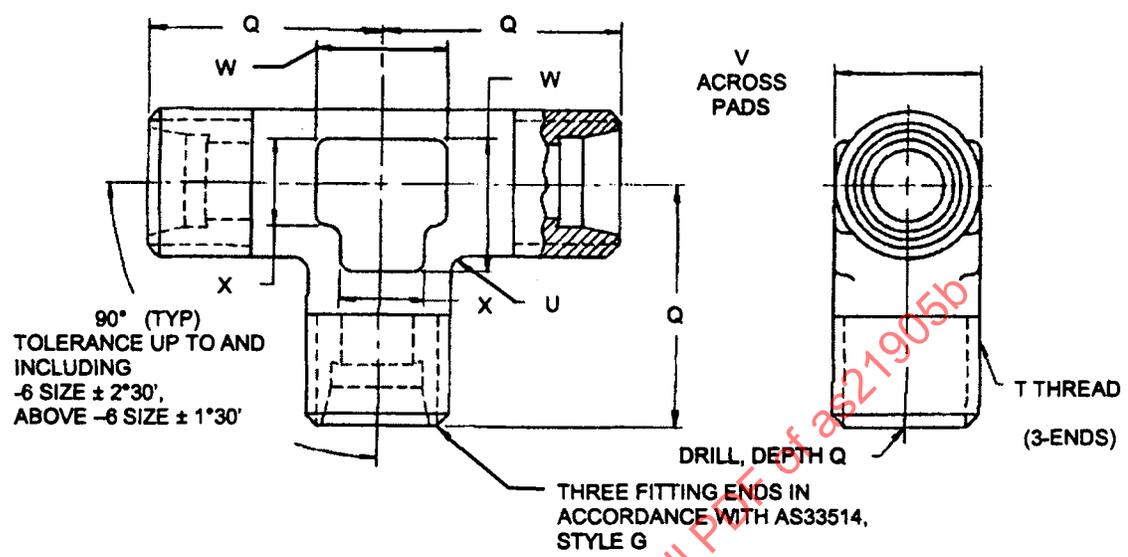


FIGURE 1 - TEE, FLARELESS TUBE

TABLE 1 - DIMENSIONS

DASH NO.	NOMINAL TUBE SIZE	T THREAD AS8879	Q +.047 -.000	U RAD	Y	W APPROX	X APPROX	WEIGHT, LB/EA, APPROX, REF.		
								STEEL	AL ALLOY	TI ALLOY
-2	.125	.3125-24 UNJF-3A	.750	.063	.313	.313	.188	.040	.014	.023
-3	.188	.3750-24 UNJF-3A	.814	.063	.375	.375	.250	.051	.019	.029
-4	.250	.4375-20 UNJF-3A	.875	.063	.438	.375	.250	.069	.024	.039
-5	.313	.5000-20 UNJF-3A	.938	.063	.500	.469	.313	.098	.035	.056
-6	.375	.5625-18 UNJF-3A	1.031	.094	.563	.500	.313	.119	.043	.068
-8	.500	.7500-16 UNJF-3A	1.250	.094	.750	.688	.438	.239	.083	.187
-10	.625	.8750-14 UNJF-3A	1.406	.125	.875	.781	.438	.356	.120	.205
-12	.750	1.0625-12 UNJ-3A	1.563	.125	1.063	.906	.500	.550	.195	.317
-16	1.000	1.3125-12 UNJ-3A	1.719	.125	1.313	1.031	.625	.800	.296	.461
-20	1.250	1.6250-12 UNJ-3A	1.875	.125	1.625	1.313	.750	1.330	.490	.767
-24	1.500	1.8750-12 UNJ-3A	2.000	.125	1.875	1.500	.875	1.690	.591	.975
-32	2.000	2.5000-12 UNJ-3A	2.438	.250	2.563	2.031	1.188			

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CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
(R) TEE, FLARELESS TUBE

AS21905
SHEET 1 OF 3

REV. B

ISSUED 1998-03 REVISED 2003-06 REAFFIRMED 2007-07

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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 $\pm 0^{\circ}30'$.
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:
MS21905-4 TEE, .250 TUBING, 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE 7 /A/
MS21905V4P TEE, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED
MS21905V4 TEE, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED
MS21905D4 TEE, .250 TUBING, ALUMINUM ALLOY (2014) IS CANCELLED AND REPLACED, SEE 7 /C/
MS21905W4 TEE, .250 TUBING, ALUMINUM ALLOY (7075)
MS21905J4 TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 304)
MS21905K4 TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 316)
MS21905-4R TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 321)
MS21905-4S TEE, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 347) IS CANCELLED, SEE 7 /D/
MS21905-4T 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.
8. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
9. 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.
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11. THE 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.
12. INTERPRETATION OF DRAWING PER ARP4296.
13. FLUID PASSAGE, HOLE CONTOUR: ARP4266 (OPTIONAL)