

RATIONALE

AS21905C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

REV.
C

AS21905

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

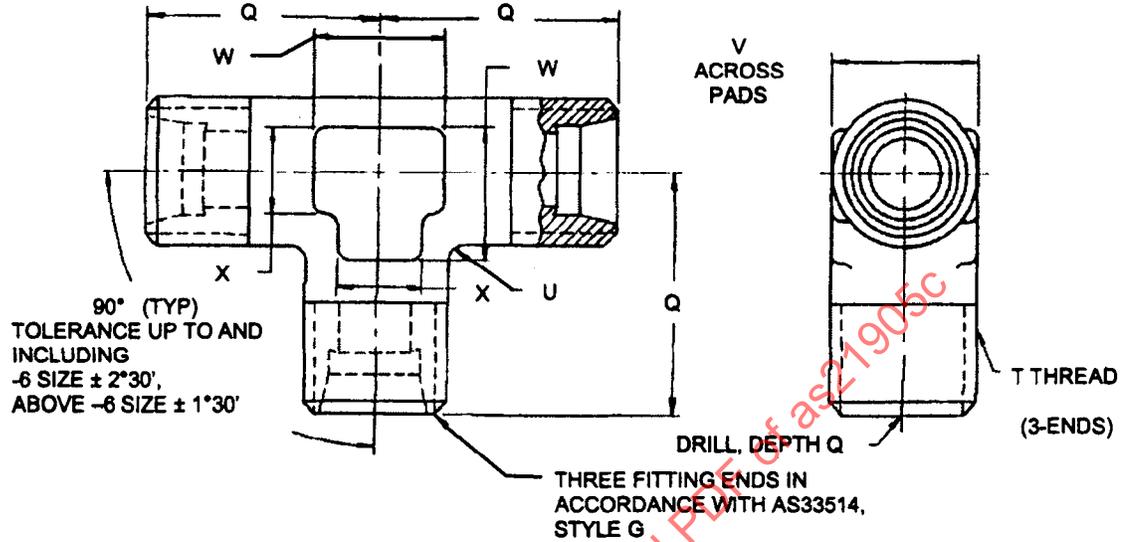
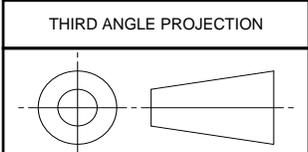


FIGURE 1 - TEE, FLARELESS TUBE

TABLE 1 - DIMENSIONS

DASH NO. /5/	NOMINAL TUBE SIZE	T THREAD AS8879	Q		V	W APPROX	X APPROX	WEIGHT, LB/EA, APPROX, REF.		
			+0.047 -0.000	U RAD				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			

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS21905C>



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /10/ AS18280



AEROSPACE STANDARD

TEE, FLARELESS TUBE

AS21905
SHEET 1 OF 3

REV.
C

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:

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 TABLE 2 /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 TABLE 2 /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 TABLE 2 /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 TABLE 2 /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 TABLE 2 /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 TABLE 2 /D/
MS21905-4T	TEE, .250 TUBING, TITANIUM ALLOY (6AL-4V)

6. TITANIUM SHALL NOT BE USED FOR 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.

10. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED BY AN ACCREDITED MANUFACTURER AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST PRI-QPL-AS18280 FOR THIS STANDARD. SEE <http://www.eauditnet.com> FOR CURRENT QPL ONLINE.

	AEROSPACE STANDARD	AS21905 SHEET 2 OF 3	REV. C
	TEE, FLARELESS TUBE		