

REV.
E

AS21905™

FEDERAL SUPPLY CLASS
4730

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 MS21905 AND MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

PROCUREMENT OF MS21905 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.

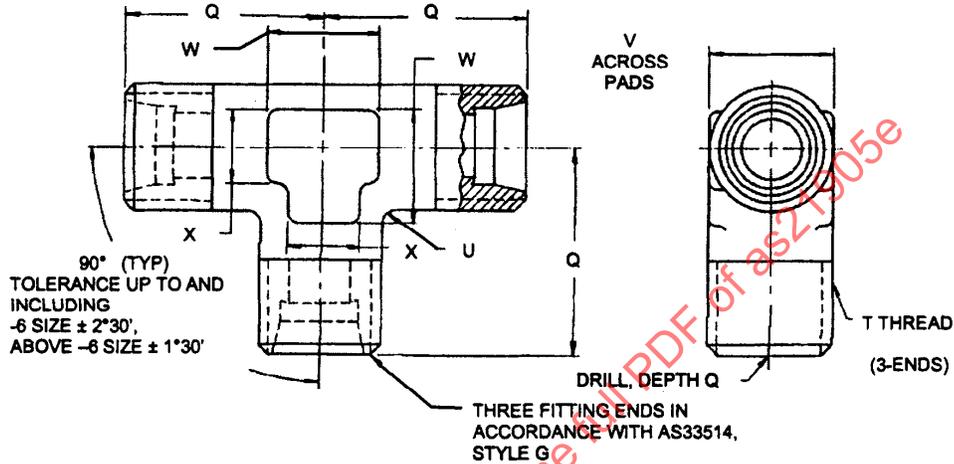
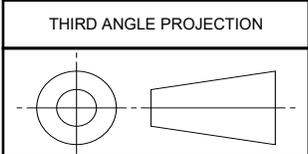


FIGURE 1 - TEE, FLARELESS TUBE

TABLE 1 - DIMENSIONS Q-X

DASH NO. /5/	NOMINAL TUBE SIZE REF	(T) THREAD AS8879	Q +.047 -.000	U RAD	V	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			

For more information on this standard, visit
<https://www.sae.org/standards/content/AS21905E/>



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /10/



AEROSPACE STANDARD

TEE, FLARELESS TUBE

AS21905™
SHEET 1 OF 3

REV.
E

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ISSUED 1998-03 REAFFIRMED 2007-07 REVISED 2023-02

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 ± 0.016 , ANGLES $\pm 0^{\circ}30'$.

/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 ALUMINUM ALLOY (7075).
 ADD MATERIAL CODE "J" 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:

MS21905-4	TEE, .250 TUBING, 4130 ALLOY STEEL.
MS21905V4P	TEE, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED. SEE TABLE 2. /17A/
MS21905V4	TEE, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED.
MS21905D4	TEE, .250 TUBING, ALUMINUM ALLOY (2014). SEE TABLE 2. /17C/
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) REPLACED, SEE TABLE 2. /17D/
MS21905-4T	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.

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/ 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.

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