

REV.
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AS21906

FEDERAL SUPPLY CLASS
4730

RATIONALE

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

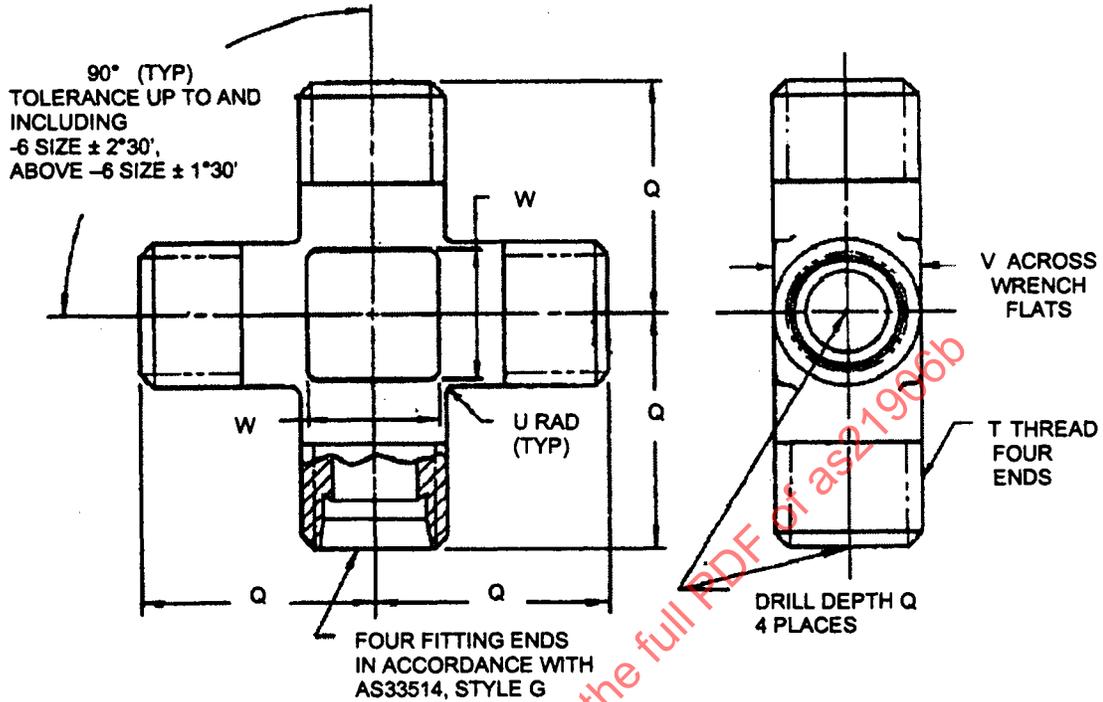


FIGURE 1 - CROSS, FLARELESS TUBE

TABLE 1 - DIMENSIONS

DASH NO.	NOMINAL TUBE SIZE	T THREAD AS8879	Q +.047 -.000	U RAD	V	W APPROX	WEIGHT, LB/EA, APPROX, REF.		
							STEEL	AL ALLOY	TI ALLOY
-2	.125	.3125-24 UNJF-3A	.750	.063	.313	.313	.056	.020	.032
-3	.188	.3750-24 UNJF-3A	.813	.063	.375	.375	.071	.025	.040
-4	.250	.4375-20 UNJF-3A	.875	.063	.438	.375	.085	.030	.049
-5	.313	.5000-20 UNJF-3A	.938	.063	.500	.469	.115	.045	.066
-6	.375	.5625-18 UNJF-3A	1.031	.094	.563	.500	.134	.055	.077
-8	.500	.7500-16 UNJF-3A	1.250	.094	.750	.688	.315	.115	.181
-10	.625	.8750-14 UNJF-3A	1.406	.125	.875	.781	.450	.160	.259
-12	.750	1.0625-12 UNJ-3A	1.563	.125	1.063	.906	.680	.240	.392
-16	1.000	1.3125-12 UNJ-3A	1.719	.125	1.313	1.094	1.000	.351	.577
-20	1.250	1.6250-12 UNJ-3A	1.875	.125	1.625	1.313	1.595	.600	.920
-24	1.500	1.8750-12 UNJ-3A	2.000	.125	1.875	1.500	1.980	.727	1.142
-32	2.000	2.5000-12 UNJ-3A	2.438	.250	2.563	2.031			

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CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
(R) CROSS, FLARELESS TUBE

AS21906
SHEET 1 OF 3

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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:

MS21906-4 CROSS, .250 TUBING, 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE 7 /A/
MS21906V4P CROSS, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED
MS21906V4 CROSS, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED
MS21906D4 CROSS, .250 TUBING, ALUMINUM ALLOY (2014) IS CANCELLED AND REPLACED, SEE 7 /C/
MS21906W4 CROSS, .250 TUBING, ALUMINUM ALLOY (7075)
MS21906J4 CROSS, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 304)
MS21906K4 CROSS, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 316)
MS21906-4R CROSS, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 321)
MS21906-4S CROSS, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 347) IS CANCELLED, SEE 7 /D/
MS21906-4T CROSS, .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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12. INTERPRETATION OF DRAWING PER ARP4296.

13. FLUID PASSAGE, HOLE CONTOUR: ARP4266 (OPTIONAL)

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AEROSPACE STANDARD

(R)

CROSS, FLARELESS TUBE

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