

REV.
C

AS21902

FEDERAL SUPPLY CLASS
4730

RATIONALE

AS21902C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

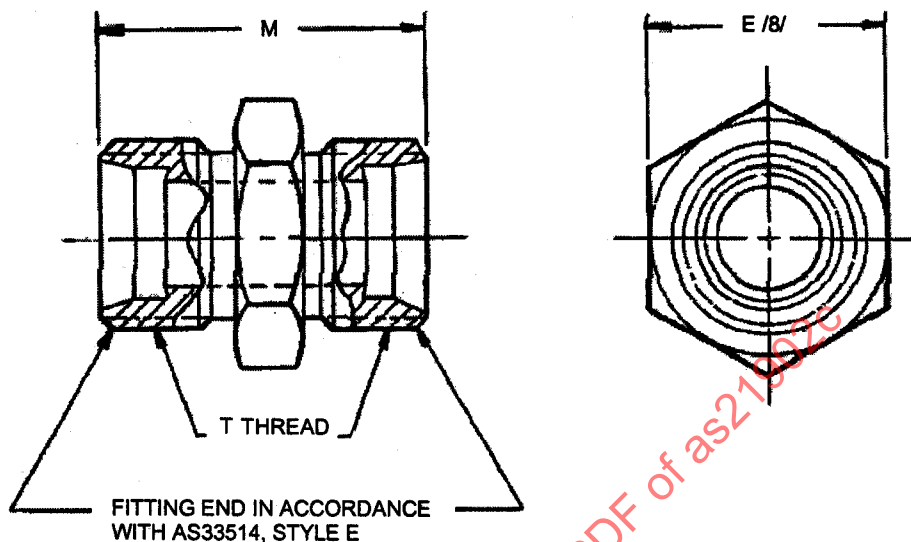


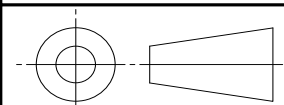
FIGURE 1 - UNION, FLARELESS TUBE

TABLE 1 - DIMENSIONS

DASH NO. /5/	NOMINAL TUBE SIZE	T THREAD AS8879	E /8/	M	WEIGHT, LB/EA, APPROX, REF.		
					STEEL	AL ALLOY	TI ALLOY
-2	.125	.3125-24 UNJF-3A	.563	1.063	.029	.013	.016
-3	.188	.3750-24 UNJF-3A	.625	1.094	.031	.014	.017
-4	.250	.4375-20 UNJF-3A	.688	1.063	.035	.015	.020
-5	.313	.5000-20 UNJF-3A	.750	1.063	.045	.016	.025
-6	.375	.5625-18 UNJF-3A	.813	1.188	.066	.023	.038
-8	.500	.7500-16 UNJF-3A	1.000	1.375	.111	.040	.064
-10	.625	.8750-14 UNJF-3A	1.125	1.563	.165	.056	.095
-12	.750	1.0625-12 UNJ-3A	1.375	1.750	.281	.097	.162
-16	1.000	1.3125-12 UNJ-3A	1.625	1.750	.355	.126	.204
-20	1.250	1.6250-12 UNJ-3A	1.875	1.750	.514	.183	.296
-24	1.500	1.8750-12 UNJ-3A	2.125	1.750	.754	.277	.435
-32	2.000	2.5000-12 UNJ-3A	2.750	1.813	1.094	.402	.631

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS21902C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /11/ AS18280



AEROSPACE STANDARD

UNION, FLARELESS TUBE

AS21902
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 ± 0.16 , 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 (2024): 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:

MS21902-4	UNION, .250 TUBING, 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE TABLE 2 /A/
MS21902V4P	UNION, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED
MS21902V4	UNION, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED
MS21902D4	UNION, .250 TUBING, ALUMINUM ALLOY (2024) IS CANCELLED AND REPLACED, SEE TABLE 2 /C/
MS21902W4	UNION, .250 TUBING, ALUMINUM ALLOY (7075)
MS21902J4	UNION, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 304)
MS21902K4	UNION, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 316)
MS21902-4R	UNION, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 321)
MS21902-4S	UNION, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 347) IS CANCELLED, SEE TABLE 2 /D/
MS21902-4T	UNION, .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/ FOR HEX FITTING END DIMENSIONS AND TOLERANCES, USE AS33514, STYLE E. FOR HEX TOLERANCES USE ARP1201.

9. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

10. 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.

	AEROSPACE STANDARD		AS21902 SHEET 2 OF 3	REV. C
	UNION, FLARELESS TUBE			