

REV.
B

AS21902

FEDERAL SUPPLY CLASS
4730

RATIONALE

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

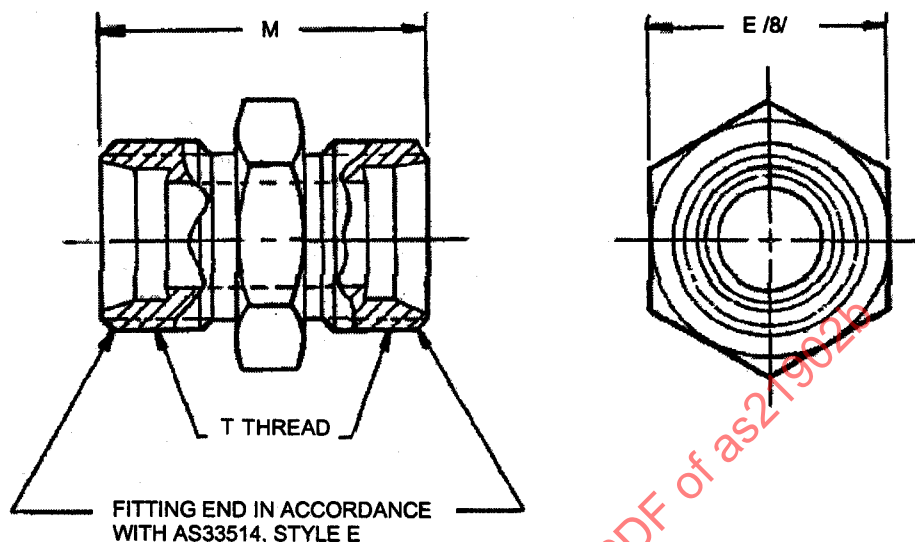


FIGURE 1 - UNION, FLARELESS TUBE

TABLE 1 DIMENSIONS

DASH NO.	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

CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
(R)
UNION, FLARELESS TUBE

AS21902
SHEET 1 OF 3

**REV.
B**

REV. B	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 ±.016, ANGLES ±0°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 (2024): 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: MS21902-4 UNION, .250 TUBING, 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE 7 /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 7 /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 7 /D/ MS21902-4T UNION, .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/ FOR HEX DIMENSIONS AND TOLERANCES, USE AS33514, STYLE E. 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. 11. USERS OF THIS STANDARD SHALL PROCURE THE PRODUCT FROM ACCREDITED MANUFACTURERS OR ACCREDITED DISTRIBUTORS AS LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST PRI-QPL-AS18280 FOR THIS STANDARD. SEE http://www.pri.sae.org/QPL/as18280.pdf FOR CURRENT QPL ONLINE. NOTE THAT MANUFACTURERS ARE ACCREDITED BY PART NUMBER, SIZE AND MATERIALS ON PRI-QPL-AS18280. 12. 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. 13. INTERPRETATION OF DRAWING PER ARP4296.			
AS21902				
 An SAE International Group		AEROSPACE STANDARD (R) UNION, FLARELESS TUBE	AS21902 SHEET 2 OF 3	REV. B