

RATIONALE

AS21924C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

REV.
C

AS21924

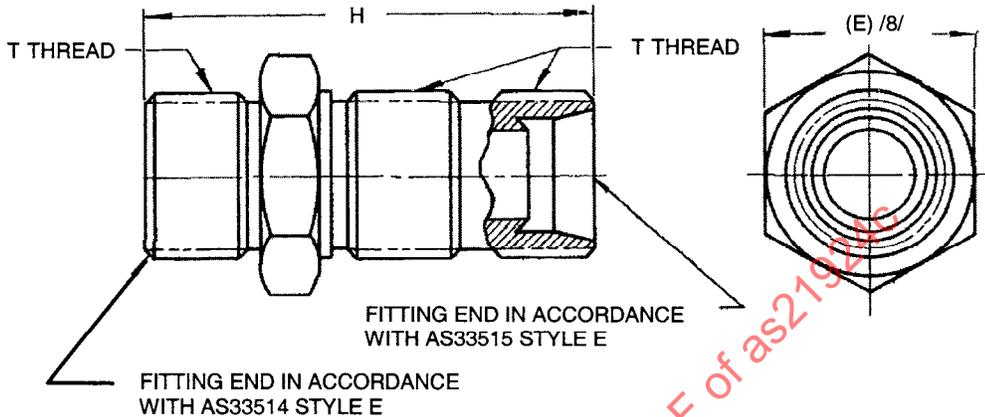


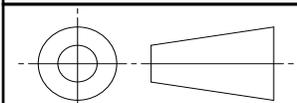
FIGURE 1 - UNION, FLARELESS TUBE, BULKHEAD AND UNIVERSAL

TABLE 1 - DIMENSIONS

DASH NO. /5/	NOMINAL TUBE SIZE	T THREAD AS8879	E /8/	H	WEIGHT, LB/EA, APPROX, REF.		
					STEEL	AL ALLOY	TI ALLOY
-2	.125	.3125-24 UNJF-3A	.563	1.484	.031	.011	.017
-3	.188	.3750-24 UNJF-3A	.625	1.563	.048	.018	.027
-4	.250	.4375-20 UNJF-3A	.688	1.656	.062	.023	.035
-5	.313	.5000-20 UNJF-3A	.750	1.688	.078	.029	.045
-6	.375	.5625-18 UNJF-3A	.813	1.797	.095	.035	.054
-8	.500	.7500-16 UNJF-3A	1.000	2.031	.175	.064	.100
-10	.625	.8750-14 UNJF-3A	1.125	2.250	.244	.090	.140
-12	.750	1.0625-12 UNJ-3A	1.375	2.484	.361	.133	.208
-16	1.000	1.3125-12 UNJ-3A	1.625	2.469	.552	.202	.318
-20	1.250	1.6250-12 UNJ-3A	1.875	2.469	.678	.249	.391
-24	1.500	1.8750-12 UNJ-3A	2.125	2.469	.814	.295	.469
-32	2.000	2.5000-12 UNJ-3A	2.750	2.734			

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS21924C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: /11/ AS18280



AEROSPACE STANDARD

UNION, FLARELESS TUBE, BULKHEAD AND UNIVERSAL

AS21924
SHEET 1 OF 3

REV.
C

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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 NUMBER:

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 FOR TITANIUM ALLOY (6AL-4V).

EXAMPLES OF PART NUMBERS:

MS21924-4	UNION, .250 TUBING, 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE TABLE 2 /A/
MS21924V4P	UNION, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED
MS21924V4	UNION, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED
MS21924D4	UNION, .250 TUBING, ALUMINUM ALLOY (2024) IS CANCELLED AND REPLACED, SEE TABLE 2 /C/
MS21924W4	UNION, .250 TUBING, ALUMINUM ALLOY (7075).
MS21924J4	UNION, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 304).
MS21924K4	UNION, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 316).
MS21924-4R	UNION, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 321).
MS21924-4S	UNION, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 347) IS CANCELLED, SEE TABLE 2 /D/
MS21924-4T	UNION, .250 TUBING, TITANIUM ALLOY (6AL-4V).

6. TITANIUM SHALL NOT BE USED FOR OXYGEN SYSTEMS.

7. SEE TABLE 2 FOR DOCUMENT AND PART NUMBERS AND SUPERSESSIONS.

8/ FITTING END DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH AS33515, 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	AS21924 SHEET 2 OF 3	REV. C
	UNION, FLARELESS TUBE, BULKHEAD AND UNIVERSAL		