

REV.  
B

AS21900

FEDERAL SUPPLY CLASS  
4730

RATIONALE

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

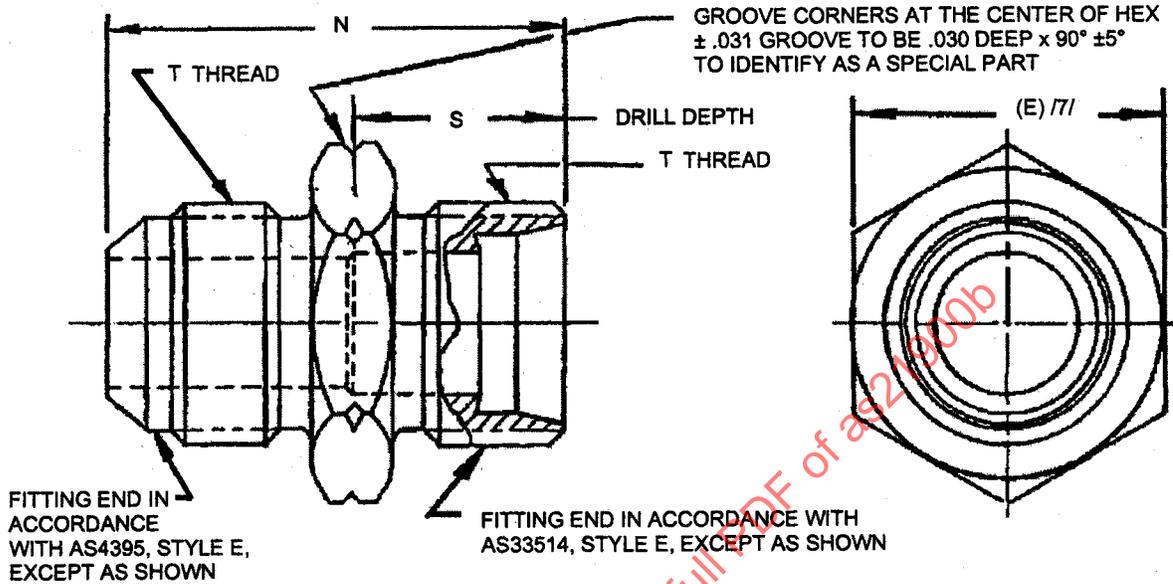


FIGURE 1 - ADAPTER, FLARELESS TUBE TO A FLARED TUBE

TABLE 1 - DIMENSIONS

DASH NO.	NOMINAL TUBE SIZE	T THREAD AS8879	E / I	N	S ±.031	WEIGHT, LB/EA, APPROX, REF.		
						STEEL	AL ALLOY	TI ALLOY
-3	.188	.3750-24 UNJF-3A	.625	1.156	THRU	.044	.015	.025
-4	.250	.4375-20 UNJF-3A	.688	1.188	.563	.053	.019	.030
-5	.313	.5000-20 UNJF-3A	.750	1.156	THRU	.060	.021	.034
-6	.375	.5625-18 UNJF-3A	.813	1.281	THRU	.073	.026	.042
-8	.500	.7500-16 UNJF-3A	1.000	1.469	.688	.133	.046	.076
-10	.625	.8750-14 UNJF-3A	1.125	1.688	.781	.182	.065	.105
-12	.750	1.0625-12 UNJ-3A	1.375	1.938	.875	.305	.109	.175
-16	1.000	1.3125-12 UNJ-3A	1.625	1.969	.844	.414	.145	.328
-20	1.250	1.6250-12 UNJ-3A	1.875	2.000	.875	.625	.209	.360
-24	1.500	1.8750-12 UNJ-3A	2.125	2.156	.875	.820	.280	.473
-32	2.000	2.5000-12 UNJ-3A	2.750	2.469	.906	1.596	.510	.920

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CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**  
(R) ADAPTER, FLARELESS TUBE TO A FLARED TUBE

**AS21900**  
SHEET 1 OF 3

**REV. B**

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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  $\pm 0.016$ , 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 (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:

MS21900-4 ADAPTER, .250 TUBING, 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE 7 /A/  
MS21900V4P ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED  
MS21900V4 ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED  
MS21900D4 ADAPTER, .250 TUBING, ALUMINUM ALLOY (2024) IS CANCELLED AND REPLACED, SEE 7 /C/  
MS21900W4 ADAPTER, .250 TUBING, ALUMINUM ALLOY (7075)  
MS21900J4 ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 304)  
MS21900K4 ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 316)  
MS21900-4R ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 321)  
MS21900-4S ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 347) IS CANCELLED, SEE 7 /D/  
MS21900-4T ADAPTER, .250 TUBING, TITANIUM ALLOY (6AL-4V)

6. TITANIUM NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.

/7/ FOR HEX DIMENSIONS AND TOLERANCES, USE AS33514, STYLE E.

8. SEE TABLE 2 FOR CANCELLED AND SUPERSEDED DOCUMENT AND PART NUMBERS.

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.

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13. INTERPRETATION OF DRAWING PER ARP4296.