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REV.
D

AS21900

FEDERAL SUPPLY CLASS
4730

RATIONALE

STANDARD UPDATED TO CORRECT SAE TEMPLATE TO ADD A REVISION BLOCK AND GENERAL SAE UPDATING. UPDATES AND CORRECTIONS TO NOTE /5/ AND TABLE 2. RESTRICTIONS ON USE HAVE BEEN CLARIFIED.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS21900. THE AS5238 IS THE SUGGESTED REPLACEMENT STANDARD. AS5238 ELIMINATES THE POSSIBILITIES OF PART NUMBER DISCREPENCIES ORIGINATING FROM MS21900 PART NUMBERS.

NOTE: PROCUREMENT OF MS21900 PART NUMBERS TO AS21900 PART STANDARDS MAY RESULT IN LOSS OF CONFIGURATION CONTROL WHERE DIFFERENCES IN THE CANCELLED MIL-F-18280 AND THE SUPERSEDING AS18280 PROCURMENT SPECIFICATIONS EXIST.

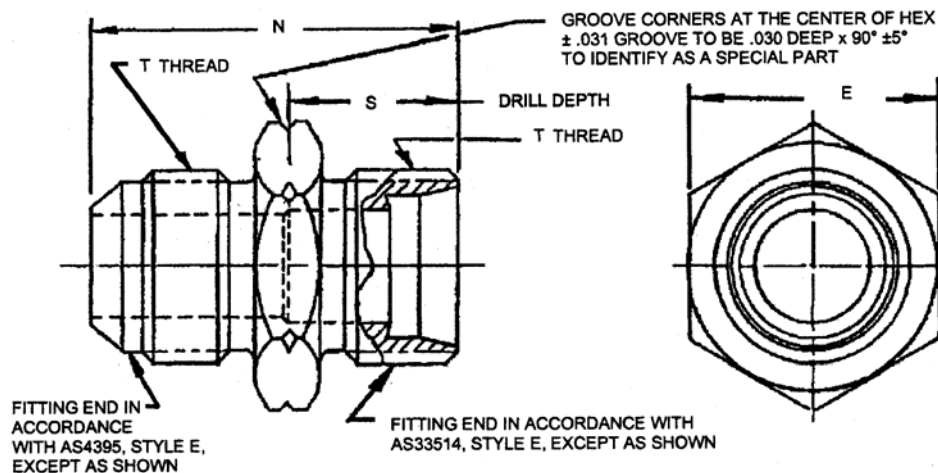


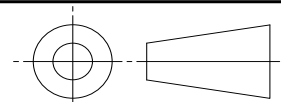
FIGURE 1 - ADAPTER, FLARELESS TUBE TO A FLARED TUBE

TABLE 1 - DIMENSIONS

DASH NO. /5/	NOMINAL TUBE SIZE REF	(T) THREAD AS8879	E	N	S ±.031	WEIGHT, LB/EA, APPROX. REF.		
						STEEL	AL ALLOY	TI ALLOY
-3	.188	.3750-24 UNJF-3A	.615 - .628	1.156	THRU	.044	.015	.025
-4	.250	.4375-20 UNJF-3A	.678 - .691	1.188	.563	.053	.019	.030
-5	.313	.5000-20 UNJF-3A	.740 - .753	1.156	THRU	.060	.021	.034
-6	.375	.5625-18 UNJF-3A	.803 - .816	1.281	THRU	.073	.026	.042
-8	.500	.7500-16 UNJF-3A	.990 - 1.003	1.469	.688	.133	.046	.076
-10	.625	.8750-14 UNJF-3A	1.113 - 1.128	1.688	.781	.182	.065	.105
-12	.750	1.0625-12 UNJ-3A	1.363 - 1.380	1.938	.875	.305	.109	.175
-16	1.000	1.3125-12 UNJ-3A	1.613 - 1.630	1.969	.844	.414	.145	.328
-20	1.250	1.6250-12 UNJ-3A	1.863 - 1.880	2.000	.875	.625	.209	.360
-24	1.500	1.8750-12 UNJ-3A	2.109 - 2.135	2.156	.875	.820	.280	.473
-32	2.000	2.5000-12 UNJ-3A	2.734 - 2.760	2.469	.906	1.596	.510	.920

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THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /9/



AEROSPACE STANDARD

(R) ADAPTER, FLARELESS TUBE TO A FLARED TUBE

AS21900
SHEET 1 OF 4

REV.
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Documents

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NOTES:

NOTICE

THIS DOCUMENT REFERENCES PARTS THAT CONTAIN CADMIUM AS 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 ± 0 DEGREES 30 MINUTES.

/5/ PART NUMBERS:

ADD "F" IN PLACE OF "-" FOR 4130 ALLOY STEEL IS THE REPLACEMENT FOR THE PREVIOUS CODE "-" FOR 4130 ALLOY STEEL. PARTS WITH "-"(DASH) SUFFIX MAY BE USED WHERE APPLICABLE UNTIL STOCKS ARE DEPLETED
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) 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) IS REPLACED BY CODE "R" (TYPE 321).
SEE TABLE 2 /D/.
ADD "T" AFTER DASH NUMBER FOR TITANIUM ALLOY (6AL-4V)

EXAMPLES OF PART NUMBERS:

MS21900-4	ADAPTER, .250 TUBING, "-" CODE FOR 4130 ALLOY STEEL IS REPLACED. SEE TABLE 2 /A/.
MS21900F4	ADAPTER, .250 TUBING, ALLOY STEEL (4130)
MS21900V4P	ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED
MS21900V4	ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED
MS21900C4	ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL TYPE 303, IS REPLACED. SEE TABLE 2 /B/.
MS21900D4	ADAPTER, .250 TUBING, ALUMINUM ALLOY (2024), IS REPLACED. SEE TABLE 2 /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 REPLACED. SEE TABLE 2 /D/.
MS21900-4T	ADAPTER, .250 TUBING, TITANIUM ALLOY (6AL-4V)

6. DIMENSIONING AND TOLERANCING PER ASME Y14.5M 1982.

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

8. 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	AS21900	REV.
	(R) ADAPTER, FLARELESS TUBE TO A FLARED TUBE	SHEET 2 OF 4	Documents

