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REV.
C

AS21923™

FEDERAL SUPPLY CLASS
4730

RATIONALE

CLARIFIED NOTICE, ADDED "D" DIMENSION FOR SIZE -12, UPDATED NOTES, MATERIALS, PART NUMBERS, AND TABLE 2, AND CLARIFIED EXPLANATORY NOTES.

NOTICE

THE INITIAL PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS21923 AND RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT. PROCUREMENT OF MS21923 PART NUMBERS TO THIS "AS" STANDARD MAY RESULT IN LOSS OF CONFIGURATION CONTROL WHERE DIFFERENCES IN THE CANCELLED MIL-F-18280 AND THE SUPERSEDING AS18280 PROCUREMENT SPECIFICATIONS EXIST. AS5239 IS A RECOMMENDED REPLACEMENT STANDARD THAT ELIMINATES THIS PROBLEM.

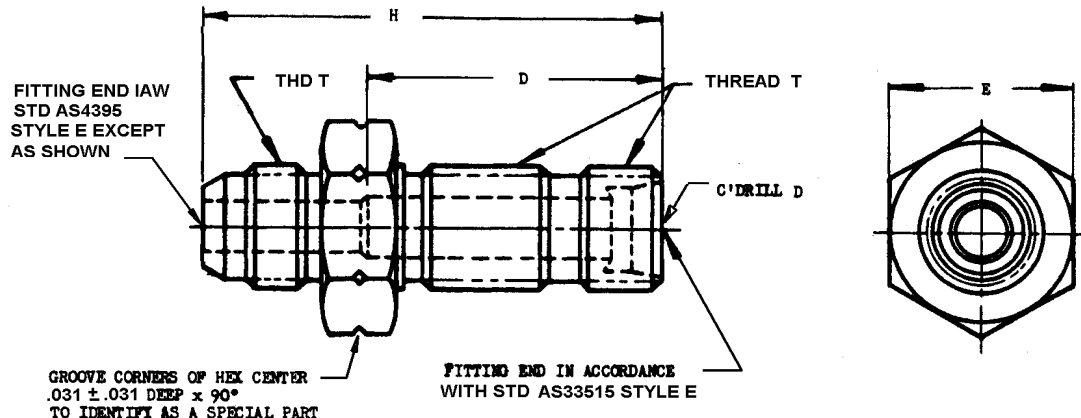


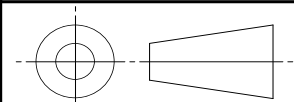
FIGURE 1 - ADAPTER, FLARELESS TUBE, BULKHEAD AND UNIVERSAL TO FLARED TUBE

TABLE 1 - DIMENSIONS

DASH NO. /5/	NOMINAL TUBE SIZE (REF)	T THREAD AS8879	H	E MIN - MAX	D +.031	WEIGHT, LB/EA, MAX		
						STEEL	AL ALLOY	TI ALLOY
-2	.125	.3125-24 UNJF-3A	1.531	.553-.566	.938	.032	.012	.018
-3	.188	.3750-24 UNJF-3A	1.625	.615-.628	THRU	.047	.017	.027
-4	.250	.4375-20 UNJF-3A	1.750	.678-.691	1.094	.062	.023	.035
-5	.313	.5000-20 UNJF-3A	1.781	.740-.753	THRU	.082	.031	.047
-6	.375	.5625-18 UNJF-3A	1.891	.803-.816	THRU	.094	.036	.054
-8	.500	.7500-16 UNJF-3A	2.125	.990-1.003	1.344	.172	.063	.099
-10	.625	.8750-14 UNJF-3A	2.375	1.113-1.128	1.469	.244	.089	.140
-12	.750	1.0625-12 UNJ-3A	2.656	1.363-1.380	1.594	.391	.143	.225
-16	1.000	1.3125-12 UNJ-3A	2.688	1.613-1.630	1.594	.533	.195	.307
-20	1.250	1.6250-12 UNJ-3A	2.734	1.863-1.880	1.594	.784	.288	.452
-24	1.500	1.8750-12 UNJ-3A	2.875	2.109-2.135	1.594	.972	.356	.560
-32	2.000	2.5000-12 UNJ-3A	3.563	2.734-2.760	2.000	TBD	TBD	TBD

SAE values your input. To provide feedback on this Technical Report, please visit <http://standards.sae.org/AS21923C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /11/



AEROSPACE STANDARD

(R) ADAPTER, FLARELESS TUBE, BULKHEAD AND UNIVERSAL TO FLARED TUBE

AS21923™
SHEET 1 OF 3

REV.
C

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NOTES

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS 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 $\pm .016$, ANGLES $\pm 0^{\circ}30'$.

/5/ PART NUMBERS:

MATERIAL CODE DASH “-“ IN PART NUMBER FOR 4130 ALLOY STEEL.
ADD MATERIAL CODE “V(SIZE)P” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED.
ADD MATERIAL CODE “V” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED.
ADD MATERIAL CODE “D” IN PLACE OF DASH FOR ALUMINUM ALLOY (2024).
ADD MATERIAL CODE “W” IN PLACE OF DASH FOR ALUMINUM ALLOY (7075).
ADD MATERIAL CODE “J” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (TYPE 304).
ADD MATERIAL CODE “K” IN PLACE OF DASH FOR CORROSION RESISTANT STEEL (TYPE 316).
ADD MATERIAL CODE “R” AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL (TYPE 321).
ADD MATERIAL CODE “S” AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL (TYPE 347). (INACTIVE)
ADD MATERIAL CODE “T” AFTER DASH NUMBER FOR TITANIUM ALLOY (6Al-4V).

EXAMPLES OF PART NUMBERS:

MS21923-4	ADAPTER, .250 TUBING, 4130 ALLOY STEEL.
MS21923V4P	ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED. SEE TABLE 2 /A/.
MS21923V4	ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED.
MS21923D4	ADAPTER, .250 TUBING, ALUMINUM ALLOY (2024). SEE TABLE 2 /C/.
MS21923W4	ADAPTER, .250 TUBING, ALUMINUM ALLOY (7075).
MS21923J4	ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 304).
MS21923K4	ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 316).
MS21923-4R	ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 321).
MS21923-4S	ADAPTER, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 347). REPLACED, SEE TABLE 2 /D/.
MS21923-4T	ADAPTER, .250 TUBING, TITANIUM ALLOY (6Al-4V).

- 6. DIMENSIONING AND TOLERANCING PER ASME Y14.5M 1982.
- 7. PART MARKING: SEE PROCUREMENT SPECIFICATION.
- 8. INVENTORIED PARTS CONFORMING TO THE PREVIOUS LETTER CHANGE MAY BE USED TO DEPLETION.
- 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	AS21923™ SHEET 2 OF 3	REV. 
	(R) ADAPTER, FLARELESS TUBE, BULKHEAD AND UNIVERSAL TO FLARED TUBE		