

RATIONALE

1. NOTE 11: NEW WORDING FOR PROCUREMENT NOTE.
2. WARNING NOTE ADDED FOR RESTRICTED MATERIAL.
3. THE 5 IN NOTE 5 AND TABLE 1 IS CHANGED TO /5/.
4. ERROR CORRECTIONS.
5. TOLERANCES FOR HEX CHANGED TO COMPLY WITH ARP1201.

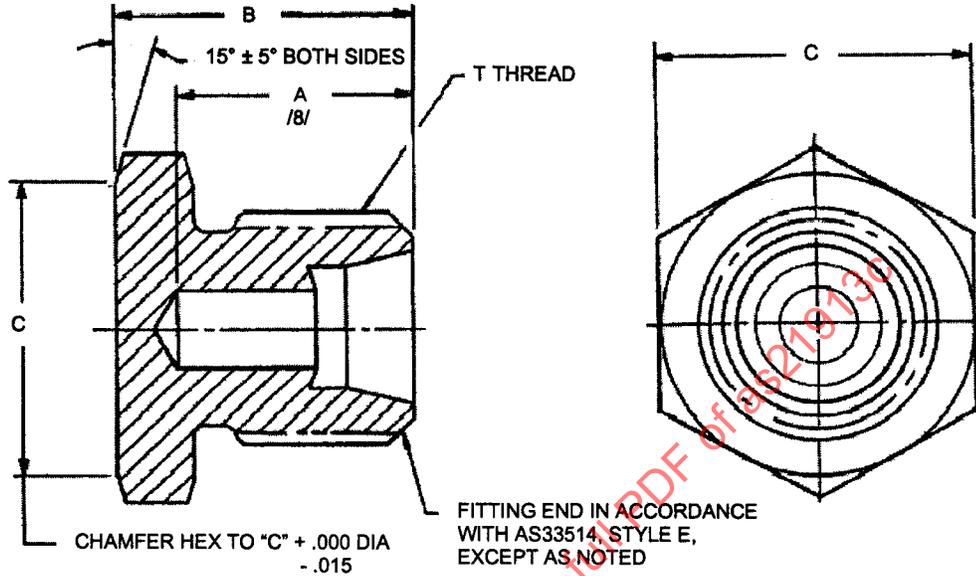
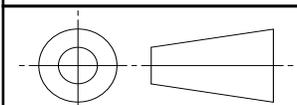


FIGURE 1 - PLUG, FLARELESS TUBE

TABLE 1 - DIMENSIONS

DASH NO. /5/	NOMINAL TUBE SIZE	T THREAD AS8879	A +.000 -0.047	B	C /13/	WEIGHT, LB/EA, APPROX, REF.		
						STEEL	AL ALLOY	TI ALLOY
-2	.125	.3125-24 UNJF-3A	.375	.563	.434- .441	.014	.005	.008
-3	.188	.3750-24 UNJF-3A	.438	.609	.434- .441	.017	.006	.009
-4	.250	.4375-20 UNJF-3A	.438	.641	.496- .503	.020	.007	.011
-5	.313	.5000-20 UNJF-3A	.500	.672	.559- .566	.026	.010	.015
-6	.375	.5625-18 UNJF-3A	.500	.719	.621- .629	.033	.012	.019
-8	.500	.7500-16 UNJF-3A	.563	.844	.808- .816	.067	.024	.038
-10	.625	.8750-14 UNJF-3A	.625	.984	.934- .942	.107	.038	.061
-12	.750	1.0625-12 UNJ-3A	.688	1.031	1.120-1.130	.174	.062	.100
-16	1.000	1.3125-12 UNJ-3A	.688	1.063	1.370-1.380	.245	.091	.141
-20	1.250	1.6250-12 UNJ-3A	.625	1.094	1.672-1.704	.390	.150	.225
-24 /8/	1.500	1.8750-12 UNJ-3A	.719	1.094	1.984-2.016	.540	.192	.311
-32 /8/	2.000	2.5000-12 UNJ-3A	.688	1.094	2.605-2.645	.965	.354	.556

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /11/ AS18280

SAE Aerospace
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AEROSPACE STANDARD

PLUG, FLARELESS TUBE

SAE AS21913C
SHEET 1 OF 3

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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 NUMBERS:

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 NUMBER FOR TITANIUM ALLOY (6AL-4V).

EXAMPLES OF PART NUMBERS:

MS21913-4	PLUG, .250 TUBING, 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE TABLE 2 /A/
MS21913V4P	PLUG, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), CADMIUM PLATED
MS21913V4	PLUG, .250 TUBING, CORROSION RESISTANT STEEL (15-5PH), NOT CADMIUM PLATED
MS21913D4	PLUG, .250 TUBING, ALUMINUM ALLOY (2024) IS CANCELLED AND REPLACED, SEE TABLE 2 /C/
MS21913W4	PLUG, .250 TUBING, ALUMINUM ALLOY (7075)
MS21913J4	PLUG, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 304)
MS21913K4	PLUG, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 316)
MS21913-4R	PLUG, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 321)
MS21913-4S	PLUG, .250 TUBING, CORROSION RESISTANT STEEL (TYPE 347) IS CANCELLED, SEE TABLE 2 /D/
MS21913-4T	PLUG, .250 TUBING, TITANIUM ALLOY (6AL-4V)

6. TITANIUM SHALL NOT BE USED FOR OXYGEN SYSTEMS.

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

/8/ DRILL POINT NOT PERMITTED ON -24 AND -32 SIZES, HOLE SHALL BE FLAT BOTTOMED IN ACCORDANCE DIMENSION A.

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.