

REV.
D

SAE AS21913

FEDERAL SUPPLY CLASS
4730

RATIONALE

STANDARD UPDATED TO CORRECT SAE TEMPLATE TO ADD A REVISION BLOCK, ADD NEW DESIGN INACTIVATION IN ALIGNMENT WITH AS33514, CORRECTED TYPO IN TABLE 2; LAST COLUMN MS21913K WAS MS21913J, AND GENERAL SAE UPDATING AND CLARIFICATION.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS21913E. THIS SAE STANDARD RETAINS THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

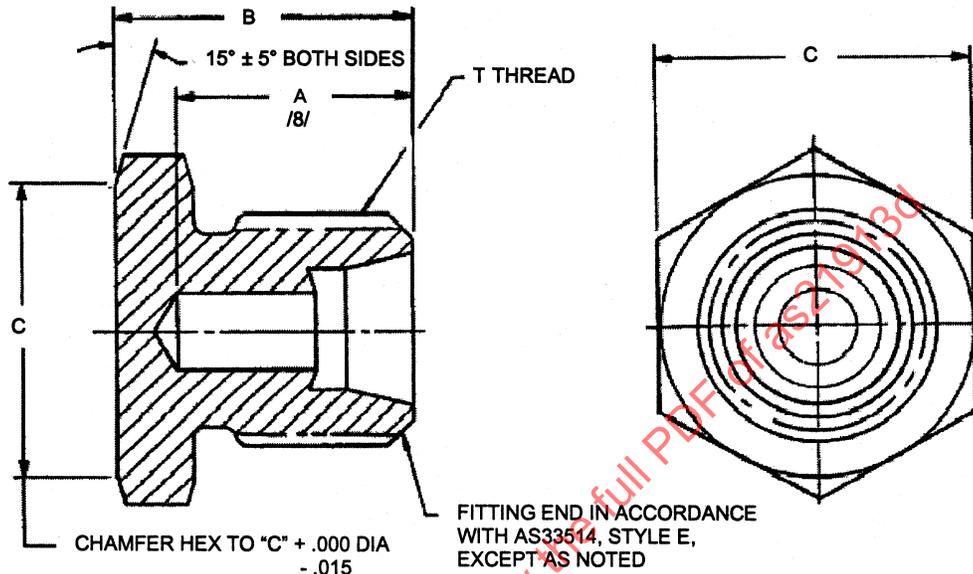


FIGURE 1 - PLUG, FLARELESS TUBE

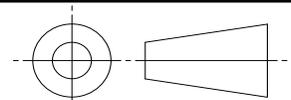
TABLE 1 - DIMENSIONS

DASH NO	NOMINAL TUBE SIZE	(T) THREAD	A	WEIGHT, LB/EA, APPROX, REF		
				B	C	STEEL ALLOY
2	.125	.3125-24 UNJF-3A	.375	.563	.428-.440	.014 .005 .008
3	.188	.3750-24 UNJF-3A	.438	.609	.428-.440	.017 .006 .009
4	.250	.4375-20 UNJF-3A	.438	.641	.490-.502	.020 .007 .011
5	.313	.5000-20 UNJF-3A	.500	.672	.552-.565	.026 .010 .015
6	.375	.5625-18 UNJF-3A	.500	.719	.615-.628	.033 .012 .019
8	.500	.7500-16 UNJF-3A	.563	.844	.802-.815	.067 .024 .038
10	.625	.8750-14 UNJF-3A	.625	.984	.928-.941	.107 .038 .061
12	.750	1.0625-12 UNJ-3A	.688	1.031	1.113-1.128	.174 .062 .100
16	1.000	1.3125-12 UNJ-3A	.688	1.063	1.363-1.380	.245 .091 .141
20	1.250	1.6250-12 UNJ-3A	.625	1.094	1.676-1.693	.390 .150 .225
24 /8/	1.500	1.8750-12 UNJ-3A	.719	1.094	1.988-2.005	.540 .192 .311
32 /8/	2.000	2.5000-12 UNJ-3A	.688	1.094	2.609-2.635	.965 .354 .556

INACTIVE FOR NEW DESIGN /13/

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS21913D>

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: /11/ AS18280

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

PLUG, FLARELESS TUBE

SAE AS21913
SHEET 1 OF 3

REV. D

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ISSUED 1998-03 REAFFIRMED 2007-07 REVISED 2009-09

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: PART MARKING REQUIREMENTS PER PROCUREMENT SPECIFICATION.

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. FLUID PASSAGE, HOLE CONTOUR: ARP4266 (OPTIONAL).

7. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.

/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.

 An SAE International Group	AEROSPACE STANDARD	SAE AS21913 SHEET 2 OF 3	REV. D
	PLUG, FLARELESS TUBE		