

REV.
B

AS21913

FEDERAL SUPPLY CLASS
4730

RATIONALE

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

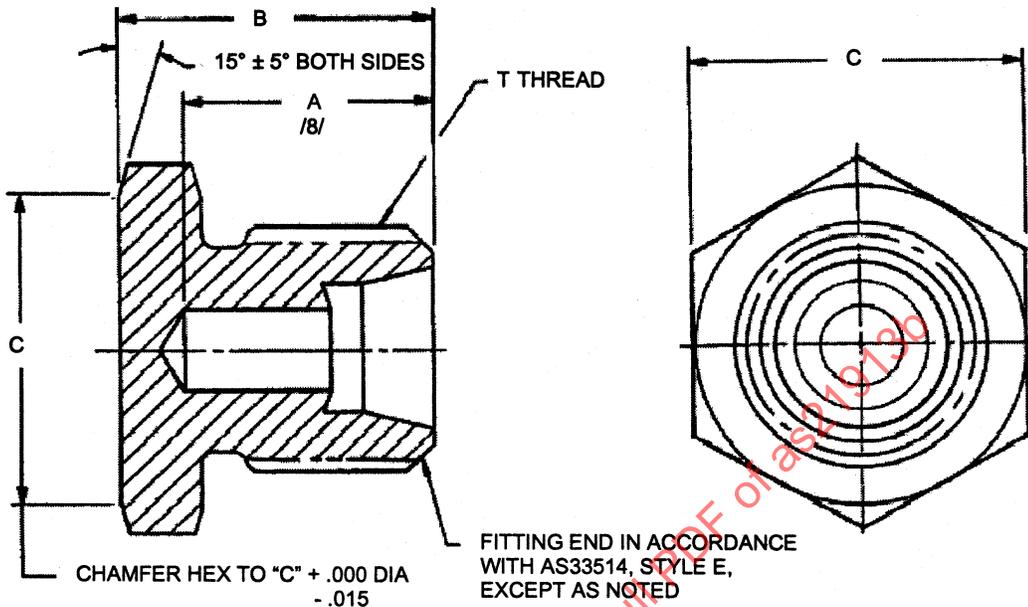


FIGURE 1 - PLUG, FLARELESS TUBE

TABLE 1 - DIMENSIONS

DASH NO.	NOMINAL TUBE SIZE	T THREAD AS8879	A +.000 -.047	B	C	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

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CUSTODIAN: SAE G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD
(R) PLUG, FLARELESS TUBE

AS21913
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 ± 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:
MS21913-4 PLUG, .250 TUBING, 4130 ALLOY STEEL IS CANCELLED AND REPLACED, SEE 7 /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 7 /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 7 /D/
MS21913-4T PLUG, .250 TUBING, TITANIUM ALLOY (6AL-4V)
6. TITANIUM NOT RECOMMENDED FOR USE IN 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.
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13. INTERPRETATION OF DRAWING PER ARP4296.
14. FLUID PASSAGE, HOLE CONTOUR: ARP4266 (OPTIONAL)