

REV.  
B

AS21944

FEDERAL SUPPLY CLASS  
4730

RATIONALE

AS21944B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S MILITARY STANDARD MS21944C. THIS SAE STANDARD RETAINS THE SAME PART NUMBER ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

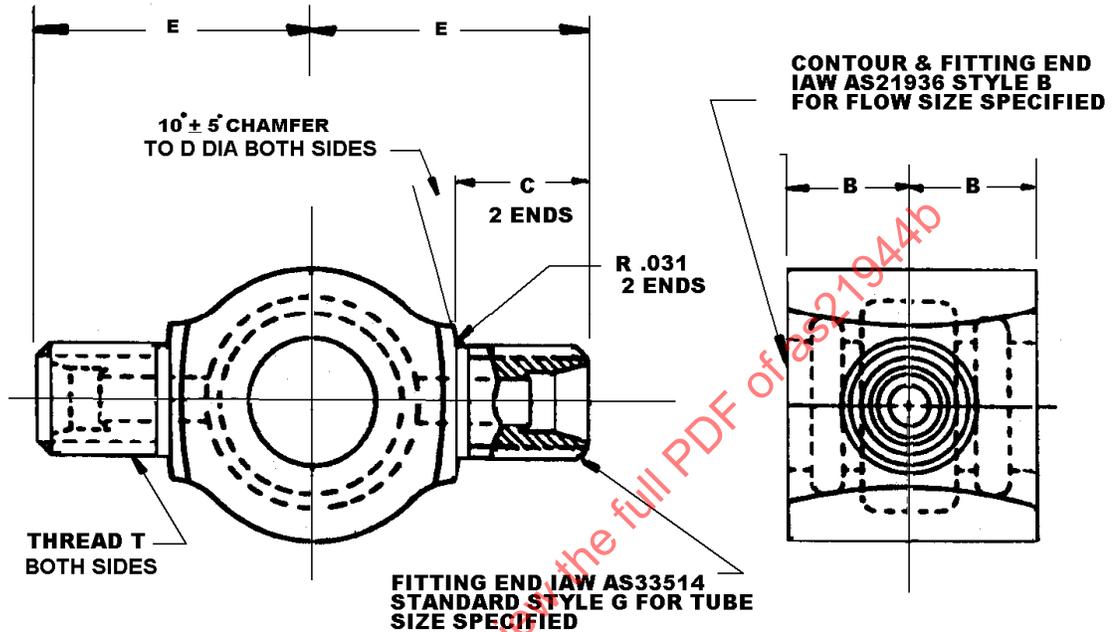


FIGURE 1 - BOLT, CLUSTER FITTING, TWO WAY, 180° FLARELESS  
DIMENSIONS AND CONFIGURATION

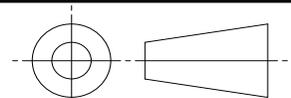
TABLE 1A - BODY, TWO WAY, 180° FLARELESS, LOW FLOW DIMENSIONS

LOW FLOW SIZE DASH NO.	TUBE OD	THREAD T AS8879	B	C	D	E	WEIGHT LB EACH APPROX
-3L	.1875	.3750-24 UNJF-3A	.500	.484	.710	1.047	.031
-4L	.2500	.4375-20 UNJF-3A	.500	.531	.710	1.094	.032
-5L	.3125	.5000-20 UNJF-3A	.500	.531	.710	1.094	.033
-6L	.3750	.5625-18 UNJF-3A	.500	.562	.710	1.125	.033

INACTIVE PART /14/

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS21944B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /10/



AEROSPACE STANDARD

BODY, CLUSTER FITTING,  
TWO WAY, 180°,  
FLARELESS

AS21944  
SHEET 1 OF 3

REV.  
B

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TABLE 1B - BODY, TWO WAY, 180° FLARELESS, HIGH FLOW DIMENSIONS

HIGH FLOW SIZE DASH NO.	TUBE OD	THREAD T AS8879	B	C	D	E	WEIGHT LB EACH APPROX
-4H	.2500	.4375-20 UNJF-3A	.594	.531	.710	1.343	.069
-5H	.3125	.5000-20 UNJF-3A	.594	.531	.710	1.343	.071
-6H	.3750	.5625-18 UNJF-3A	.594	.562	.710	1.375	.072
-8H	.5000	.7500-16 UNJF-3A	.594	.656	.750	1.469	.073

NOTES:

1. MATERIALS: ALUMINUM ALLOY 7075 SEE PROCUREMENT SPECIFICATION.
2. FINISH: SEE PROCUREMENT SPECIFICATION.
3. REMOVE BURRS AND SHARP EDGES.
4. INSTALLATION IN ACCORDANCE WITH MS21931.
5. SURFACE FINISH IN ACCORDANCE WITH ASME B46.1. UNLESS OTHERWISE SPECIFIED ALL OUTSIDE MACHINED SURFACE SHALL BE 125  $\mu$ in Ra AND ALL INSIDE SURFACE SHALL BE 250  $\mu$ in Ra.
6. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED TOLERANCES DECIMALS  $\pm$ .010, ANGLES  $\pm$ 5°.
7. DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ASME Y14.5M-1994.
8. PART NUMBERS:

LETTERS "L" AND "H" IN PART NUMBERS INDICATE LOW FLOW AND HIGH FLOW RESPECTIVELY.

CODE "W" FOLLOWING BASIC PART NUMBER MS21944 SPECIFIES 7075 ALUMINUM ALLOY.

NO CODE LETTER FOR ALUMINUM ALLOY 2014/2024 ARE CANCELLED SUPERSEDED BY CODE "W" 7075 ALUMINUM. 2014/2024 PARTS ARE NO LONGER AVAILABLE FOR PROCUREMENT AFTER 2006.

EXAMPLES OF PART NUMBERS:

MS21944W5L - BOLT, .3125 TUBING, LOW FLOW, 7075 ALUMINUM ALLOY

MS21944W5H - BOLT, .3125 TUBING, HIGH FLOW, 7075 ALUMINUM ALLOY

	<b>AEROSPACE STANDARD</b>	<b>AS21944</b> SHEET 2 OF 3	<b>REV.</b> <b>B</b>
	BODY, CLUSTER FITTING, TWO WAY, 180°, FLARELESS		