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REV.
C

AS21938™

FEDERAL SUPPLY CLASS
4730

RATIONALE

"INACTIVE IN PART" STATUS REPLACED BY "NOT RECOMMENDED FOR NEW DESIGN." REMOVED THE TERM "CANCELLED" FROM NOTE 8 FOR THE 2014/2024 MATERIAL. UPDATED TABLE 3 SHOWING 'REPLACED' PART NUMBERS. UPDATED PROCUREMENT SPECIFICATION NOTE TO CURRENT QPL VERBIAGE. UPDATED SPECIFICATION CALLOUTS TO CURRENT NOMENCLATURE.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S MILITARY STANDARD MS21938D. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

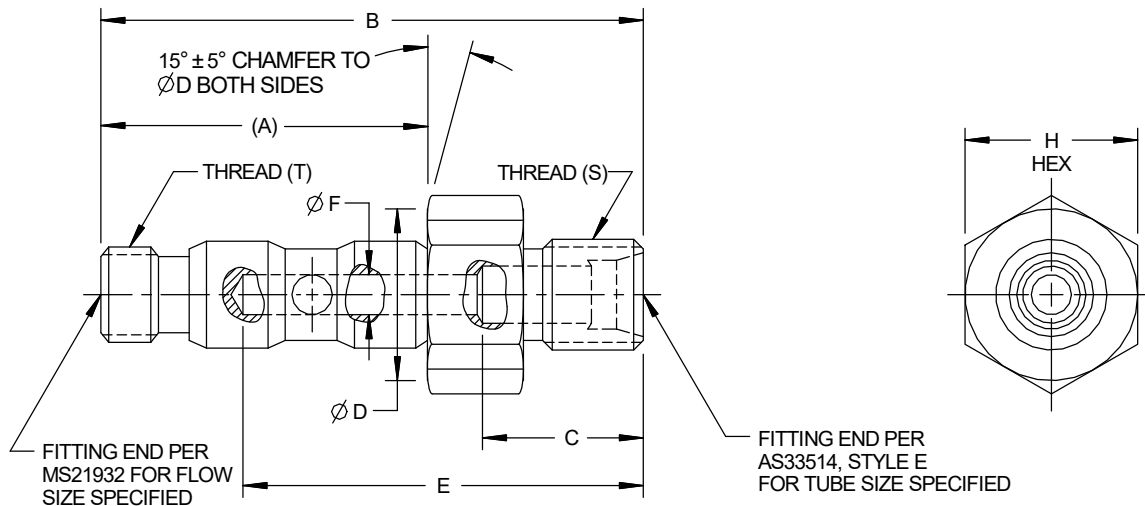
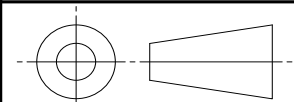


**FIGURE 1 - BOLT, CLUSTER FITTING, SINGLE PORT, FLARELESS,
DIMENSIONS AND CONFIGURATION**

NOT RECOMMENDED FOR NEW DESIGN /14/

For more information on this standard, visit
<https://www.sae.org/standards/content/AS21938C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: AS18280 /10/



AEROSPACE STANDARD

BOLT, CLUSTER FITTING,
SINGLE PORT
FLARELESS

AS21938™
SHEET 1 OF 3

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**TABLE 1 - BOLT, CLUSTER FITTING, SINGLE PORT, FLARELESS,
LOW FLOW, DIMENSIONS A-H AND WEIGHTS**

LOW FLOW SIZE DASH NO.	(NOMINAL TUBING SIZE)	THREAD (S) PER AS8879	THREAD (T) PER AS8879	(A)	B	C ±.062	ØD +.000 -.015	E ±.062	F ±.003	H	WT LB/EA APPROX
-3L	.1875	.3750-24 UNJF-3A	.4375-20 UNJF-3A	1.438	2.172	--	.621	1.568	.125	.621 - .628	.027
-4L	.2500	.4375-20 UNJF-3A	.4375-20 UNJF-3A	1.438	2.235	--	.684	1.653	.187	.684 - .691	.038
-5L	.3125	.5000-20 UNJF-3A	.4375-20 UNJF-3A	1.438	2.297	--	.746	1.715	.234	.746 - .753	.047
-6L	.3750	.5625-18 UNJF-3A	.4375-20 UNJF-3A	1.438	2.344	.663	.871	1.750	.234	.871 - .878	.059
-8L	.5000	.7500-16 UNJF-3A	.4375-20 UNJF-3A	1.438	2.437	.656	.996	1.844	.234	.996 - 1.003	.132

**TABLE 2 - BOLT, CLUSTER FITTING, SINGLE PORT, FLARELESS,
HIGH FLOW, DIMENSIONS A-H AND WEIGHTS**

HIGH FLOW SIZE DASH NO.	(NOMINAL TUBING SIZE)	THREAD (S) PER AS8879	THREAD (T) PER AS8879	(A)	B	C ±.062	ØD +.000 -.015	E ±.062	F ±.003	H	WT LB/EA APPROX
-6H	.3750	.5625-18 UNJF-3A	.5625-18 UNJF-3A	1.688	2.594	--	.871	1.913	.297	.871 - .878	.098
-8H	.5000	.7500-16 UNJF-3A	.5625-18 UNJF-3A	1.688	2.687	--	.996	2.030	.422	.995 - 1.003	.105
-10H	.6250	.8750-14 UNJF-3A	.5625-18 UNJF-3A	1.688	2.750	.812	1.121	2.055	.422	1.121 - 1.128	.111

NOTES:

1. MATERIAL: 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 SURFACES SHALL BE 125 MICROINCHES Ra AND ALL INSIDE SURFACES SHALL BE 250 MICROINCHES Ra.
6. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±0°30'.
7. DIMENSIONING AND TOLERANCING: 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 MS21938 INDICATES 7075 ALUMINUM ALLOY.

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

EXAMPLES OF PART NUMBERS:

MS21938W4L - BOLT, Ø.2500 TUBING, LOW FLOW, 7075 ALUMINUM ALLOY

MS21938W10H - BOLT, Ø.6250 TUBING, HIGH FLOW, 7075 ALUMINUM ALLOY

	AEROSPACE STANDARD	AS21938™ SHEET 2 OF 3	REV. C
	BOLT, CLUSTER FITTING, SINGLE PORT FLARELESS		



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