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AS21940

FEDERAL SUPPLY CLASS
4730

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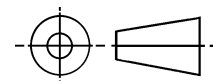
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THIRD ANGLE PROJECTION



ISSUED 2000-09 REAFFIRMED 2004-04

PREPARED BY SAE COMMITTEE G-3

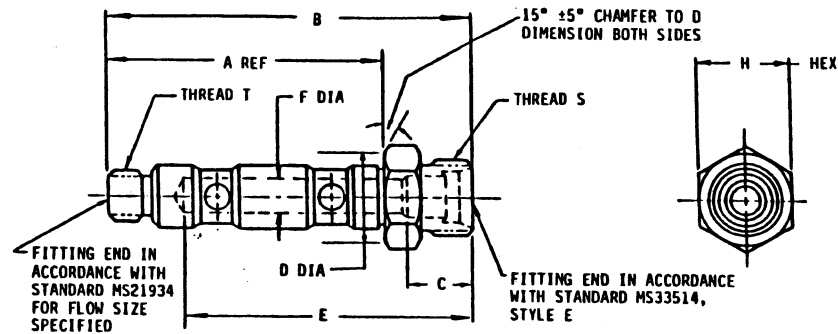
PROCUREMENT SPECIFICATION: MIL-F-18280

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, CLUSTER FITTING, DOUBLE PORT,
FLARELESS

AS21940
SHEET 1 OF 3



LOW FLOW SIZE DASH NUMBER	TUBE OD	THREAD S MIL-S-8879	THREAD T MIL-S-8879	A REF	B	C ±.062	D +.000 -.015	E ±.062	F ±.003	H HEX	WT LB MAX
-3L	3/16	.3750-24 UNJF-3A	.4375-20 UNJF-3A	2.531	3.265	---	.621	2.568	.125	.621 .628	.020
-4L	1/4	.4375-20 UNJF-3A	.4375-20 UNJF-3A		3.328	---	.684	2.653	.187	.684 .691	
-5L	5/16	.5000-20 UNJF-3A	.4375-20 UNJF-3A		3.390	---	.746	2.715	.234	.746 .753	
-6L	3/8	.5625-18 UNJF-3A	.4375-20 UNJF-3A		3.437	.663	.871	2.725		.871 .878	
-8L	1/2	.7500-16 UNJF-3A	.4375-20 UNJF-3A		3.530	.656	.996	2.780		.996 1.003	
HIGH FLOW SIZE DASH NUMBER	TUBE OD	THREAD S MIL-S-8879	THREAD T MIL-S-8879	A REF	B	C ±.062	D +.000 -.015	E ±.062	F ±.003	H HEX	WT LB MAX
-6H	3/8	.5625-18 UNJF-3A	.5625-18 UNJF-3A	2.969	3.875	---	.871	3.162	.297	.871 .878	.050
-8H	1/2	.7500-16 UNJF-3A	.5625-18 UNJF-3A		3.968	---	.996	3.218	.422	.996 1.003	
-10H	5/8	.8750-14 UNJF-3A	.5625-18 UNJF-3A		4.031	.812	1.121	3.242		1.121 1.128	

REQUIREMENTS:

1. MATERIAL: ALUMINUM ALLOY - BARS. SEE PROCUREMENT SPECIFICATION.
2. FINISH: SEE PROCUREMENT SPECIFICATION.
SURFACE FINISH IN ACCORDANCE WITH ANSI B46.1.
ALL OUTSIDE MACHINED SURFACES 125 MICROINCHES Ra. ALL INSIDE 250 Ra UNLESS OTHERWISE NOTED.

NOTES:

1. FITTINGS SHALL BE FREE FROM ALL HANGING BURRS AND SLIVERS.
2. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMAL ±.010, ANGLES ±1/2°.
3. PART NUMBERS:

NO CODE LETTER IN PART NUMBER FOR ALUMINUM ALLOY (2024).
ADD "W" IN PLACE OF DASH FOR ALUMINUM ALLOY (7075).

EXAMPLES OF PART NUMBERS:

MS21940-8L - BOLT, 1/2 TUBING, LOW FLOW, ALUMINUM ALLOY (2024).
MS21940W8L - BOLT, 1/2 TUBING, LOW FLOW, ALUMINUM ALLOY (7075).

4. INSTALLATION IN ACCORDANCE WITH MS21931.