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IN REPLY
REFER TO

DSCC -VAI (Gail Dever/(614-692-8781)

September 8, 2003

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft for MS21949C, Bolt-Cluster Fitting, Single Port-Flange,
Project Number 4730-2437-000.

This initial draft revision is a proposal to add the requirements for acquiring the product paragraph on page 1 of the document.

If this document is of interest to you, please provide your comments to the project officer electronically. It is very important that you attempt to respond electronically to this draft. This can be in the form of a return e-mail, with or without an attached text file. Because we believe electronic coordination should be faster than hard copy distribution, we have allotted a 45-day coordination cycle from the date of this letter. Please provide your comments within that time period. If an electronic response is not possible, we will still accept comments via letter, facsimile, or phone call, but only after you have contacted the project officer listed below. The initial draft document can be found at the following DSCC-VA web page:

<http://www.dsccl.dla.mil/Programs/MilSpec/initialdrafts.asp>

This process still requires military departments to identify their comments as "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians or this office, as applicable, in sufficient time to allow for consolidating the department reply.

If there are any questions regarding this project, please contact Gail Dever (project officer) by the preferred method of electronic mail at gail.dever@dlamail by telephone at commercial 614-692-8781, DSN 850-8781; or by facsimile at 614-692-6939. Our mailing address as a last resort is Defense Supply Center, Columbus, (DSCC-VAI), P.O. Box 3990, Columbus, OH 43216-5000. If you have further questions or concerns regarding this program, you may contact me at 614-692-0566 or richard.taylor@dlamail.

Sincerely,

/Signed/

RICHARD L. TAYLOR
Chief
Interconnection Devices Team

cc:
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NOTE: This initial draft, dated 21 August 2003, prepared by the Defense Supply Center Columbus, has not been approved and is subject to modification. DO NOT USE FOR ACQUISITION PURPOSES.
Project number 4730-27372437-000.

INCH-POUND

~~MS21949BMS21949C~~
~~20 September 2000ddmmmyyy~~
SUPERSEDING
MS21949AMS21949B
13 May 196620 Sep 2000

DETAIL SPECIFICATION SHEET

BOLT-CLUSTER FITTING, SINGLE PORT-FLARE

This specification is approved for use by all Departments and Agencies of the Department of Defense .

The requirements for acquiring the product described herein shall consist of this specification and the issue of SAE-AS4875 and SAE-AS4875/1.

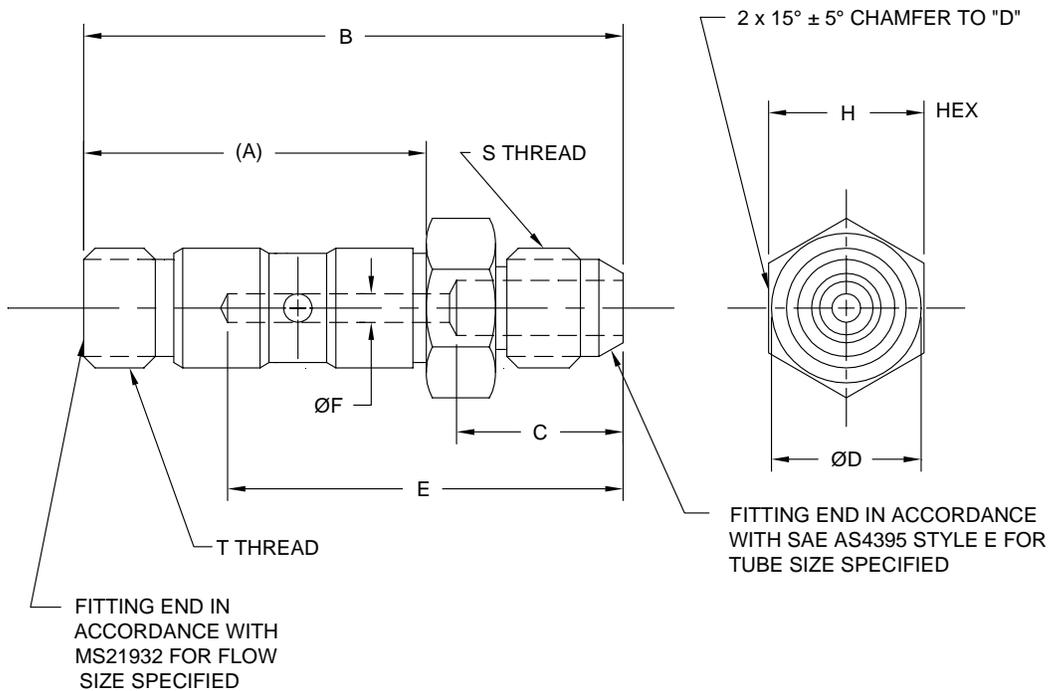


FIGURE 1. Bolt, Cluster Fitting.

TABLE IA. Dimensions for low flow sizes

Low flow size		Tube OD	Thread S SAE AS8879	Thread T SAE AS8879
Al alloy 7075	Al alloy 1/ 2014/2024			
W3L	-3L	.187	.375-24UNJF-3A	.4375-20UNJF-3A
W4L	-4L	.250	.4375-20UNJF-3A	
W5L	-5L	.312	.500-20UNJF-3A	
W6L	-6L	.375	.5625-18UNJF-3A	
W8L	-8L	.500	.750-16UNJF-3A	

TABLE IA. Dimensions for low flow sizes - Continued

A	B	C ± .062	D ± .010	E ± .062	F ± .003	H Hex + .003 - .010
1.438	2.229	—	.605	1.625	.125	.625
1.438	2.332	—	.668	1.750	.172	.688
1.438	2.394	.750	.730	1.812	.203	.750
1.438	2.431	.750	.855	1.812	.203	.875
1.438	2.532	.750	.980	1.937	.203	1.000

1/ Aluminum alloy 2014 and 2024 parts are cancelled. Use Aluminum alloy 7075 parts for new design. Cancelled parts may be used till stock is exhausted.

TABLE IB. Dimensions for high flow sizes

High flow size		Tube OD	Thread S SAE AS8879	Thread T SAE AS8879
Al alloy 7075	Al alloy 1/ 2014/2024			
W6H	-6H	.375	.5625-18UNJF-3A	.5625-18UNJF-3A
W8H	-8H	.500	.750-16UNJF-3A	
W10H	-10H	.625	.875-14UNJF-3A	

TABLE IB. Dimensions for high flow sizes - Continued

A	B	C ± .062	D ± .010	E ± .062	F ± .003	H Hex
1.688	2.681	—	.855	2.000	.297	.875 + .003 - .010
1.688	2.782	—	.980	2.125	.391	1.000 + .003 - .010
1.688	2.883	.937	1.103	2.188	.422	1.125 + .003 - .012

1/ Aluminum alloy 2014 and 2024 parts are cancelled. Use Aluminum alloy 7075 parts for new design. Cancelled parts may be used till stock is exhausted.

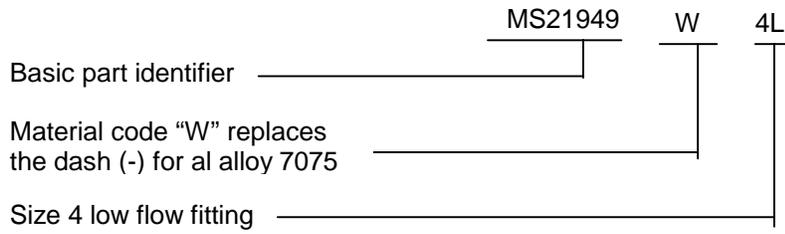
REQUIREMENTS:

1. The requirements for acquisition of the product described herein shall consist of this detail specification sheet and SAE AS4875/1.
2. Material: Aluminum alloy bar 7075-T73 per AMS-QQ-A-225/9.
3. Finish: See standard SAE AS4875. Aluminum alloy 7075 fittings shall be dyed brown.
4. All outside machined surfaces shall be finished to 125 μm R_a ; all inside machined surfaces and hex flats of bar stock shall be finished to 250 μm R_a , unless otherwise specified. Surface finish shall be in accordance with ASME B46.1.
5. Fittings shall be free of all burrs and slivers.

NOTES:

1. Dimensions in inches. Unless otherwise specified, tolerances: decimals $\pm .010$, angles $\pm 1/2^\circ$.
2. Dimensioning and tolerancing per ASME Y14.5.
3. Part Identification number (PIN)

Example of PIN: MS21949W4L



Custodians:
Navy - AS
DLA - CC

Preparing activity:
DLA-CC

(Project 4730-2067)2437-000

Review activity:
Navy - SA