MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Drafts of: MIL-DTL-3992, MS39325, MS39322, MS39133, MS39135, MS39136, and MS39137

These initial drafts for these subject documents, are now available for viewing and downloading from the DLA Land and Maritime-VA Web site:


Major changes to these documents include Harmonize MS sheets plating requirements to dtl3992 Add new Zinc plating that is hexavalent chromium free. Add new material corrosion resistant steel. Add cadmium plating, which is allowed in the hose assembly document MS39325.

Concurrence or comments are required at this Center within 30 days from the date of this letter. Late comments will be held for the next coordination of the document. Comments from military departments must be identified as either "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians of this office, as applicable, in sufficient time to allow for consolidating the department reply. Lack of response to this draft will be construed as concurrence.

If these documents are of interest to you, please provide your comments or suggested changes. The point of contact for this document is Mr. William Carpenter, phone number 614-692-0573, facsimile transmission, 614-692-6939, e-mail William.F.Carpenter@dla.mil, or may be mailed via the US Postal Service to DLA LAND AND MARITIME, ATTN: VAI (Attention: William Carpenter), P.O. Box 3990, Columbus, OH 43218-3990.

Sincerely,

/ SIGNED /

ABDONASSER M. ABDOUNI
Chief,
Interconnection Branch

cc: FMDD (James Anderson)
FMDC (Steven Curtin)
VQC - Michael Adams
DETAIL SPECIFICATION SHEET

ADAPTER, STRAIGHT, PIPE TO HOSE-AUTOMOTIVE AIR BRAKE HOSE

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 sheet.

NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. All dimensions are “reference” dimensions.
4. For design feature purposes, this document takes precedence over acquisition documents referenced herein.

FIGURE 1. Pipe to hose adapter.
NOTES:
1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. All dimensions are "reference" dimensions.

FIGURE 2. Alternate design, pipe to hose adapter.

REQUIREMENTS:
Adapters shall be specified on figures 1 and 2 and in table I.

MS39133 adapter assemblies, of a given Part or Identifying number (PIN), consisting of MS39135 and MS39137 parts shall be manufactured of the same type materials and finishes.

The adapters described herein are for use with MS39325 hose assemblies.

Material:
- Brass formed rod, tempered, half-hard brass in accordance with ASTM B16/B16M.
- Steel bar in accordance with ASTM A108.
- Corrosion resistant steel bars UNS S30300, UNS S30400, UNS S30403, UNS S32100, or UNS 35500.
Material/finish shall be in accordance with table I.

<table>
<thead>
<tr>
<th>Material/finish designator</th>
<th>Material/finish</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Stainless steel</td>
<td>No additional finish. Passivation in accordance with SAE AMS2700, type 6 or 7.</td>
</tr>
<tr>
<td>B</td>
<td>Brass</td>
<td>No additional finish</td>
</tr>
<tr>
<td>C</td>
<td>Steel</td>
<td>Cadmium plated in accordance with SAE AMS-QQ-P-416, type II, class 2 or SAE AMS-C-81562, type II, class 2. 1/ 2/</td>
</tr>
<tr>
<td>R</td>
<td>Steel</td>
<td>Zinc plating with colorless passivate in accordance with ASTM B633, type V, Fe/Zn 5</td>
</tr>
<tr>
<td>S</td>
<td>Steel</td>
<td>Zinc plated in accordance with ASTM B633, type II, Fe/Zn 5 1/</td>
</tr>
</tbody>
</table>

1/ These finishes have a chromate conversion coating or chromic acid rinse, which includes hexavalent chromium, and are not recommended.

2/ Cadmium is prohibited from use in NAVSEA-owned shipboard systems in accordance with the requirements of T9070-AL-DPC-020/077-2, unless otherwise approved by NAVSEA.

All plating’s shall be capable of meeting 96-hour salt spray test in accordance with ASTM B117. The fittings shall show no evidence of red corrosion after 96 hours of salt spray. Air passages, other openings, and internal threads shall not be subject to the plating thickness requirement and may have bare areas provided they are protected with a light film of oil.

PIN for figure 1 adapter.

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MS  39133  -1  -B
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- **Material/finish (see table I).**
- **Size number for pipe end (see figure 1).**
- **Specification sheet number.**
- **MS prefix**

Example of a PIN: MS39133-1-B indicates an adapter, straight, pipe to hose made of brass, with 1/4 NPTF pipe threads.
PIN for figure 2, alternate design adapter:

MS 39133 -A -2 -C

Material/finish (see table I).
Size dash number for pipe end (see figure 2).
Dash letter for alternate design (see figure 2).
Specification sheet number.
MS prefix

PIN example, alternate design: MS39133-A-2-C indicates an alternate design adapter made of steel, cadmium plated with 1/2 NPTF pipe threads.

Class I and II ozone depleting substances (ODS) shall not be used in MS39133 or any referenced procedures.

Referenced documents shall be of the issue in effect on date of invitations for bid.

Cadmium is prohibited from use in NAVSEA-owned shipboard systems in accordance with the requirements of T9070-AL-DPC-020/077-2, unless otherwise approved by NAVSEA.

In the event of a conflict between the text of this specification sheet and the references cited herein, the text of this specification sheet shall take precedence.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

Referenced documents. This document references the following:

- MS39134
- ASTM B117
- MS39135
- ASTM B633
- MS39136
- SAE AMS-C-81562
- MS39137
- SAE AMS-QQ-P-416
- MS39325
- SAE AMS2700
- ASTM A108
- T9070-AL-DPC-020/077-2
- ASTM B16/B16M
CONCLUDING MATERIAL

Custodians:
Army – AT
Navy – SH
Air Force - 71
DLA – CC

Preparing activity:
DLA - CC

(Project 4730-2019-071)

Review activities:
Army – AR, EA
Navy – MC, SA
Air Force – 11

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at https://assist.dla.mil.