INCH-POUND
MS90908C
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SUPERSEDING
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DETAIL SPECIFICATION SHEET

FILLER TUBE, FUEL TANK – MILITARY VEHICLES

Inactive for new design after 22 January 1999.

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.

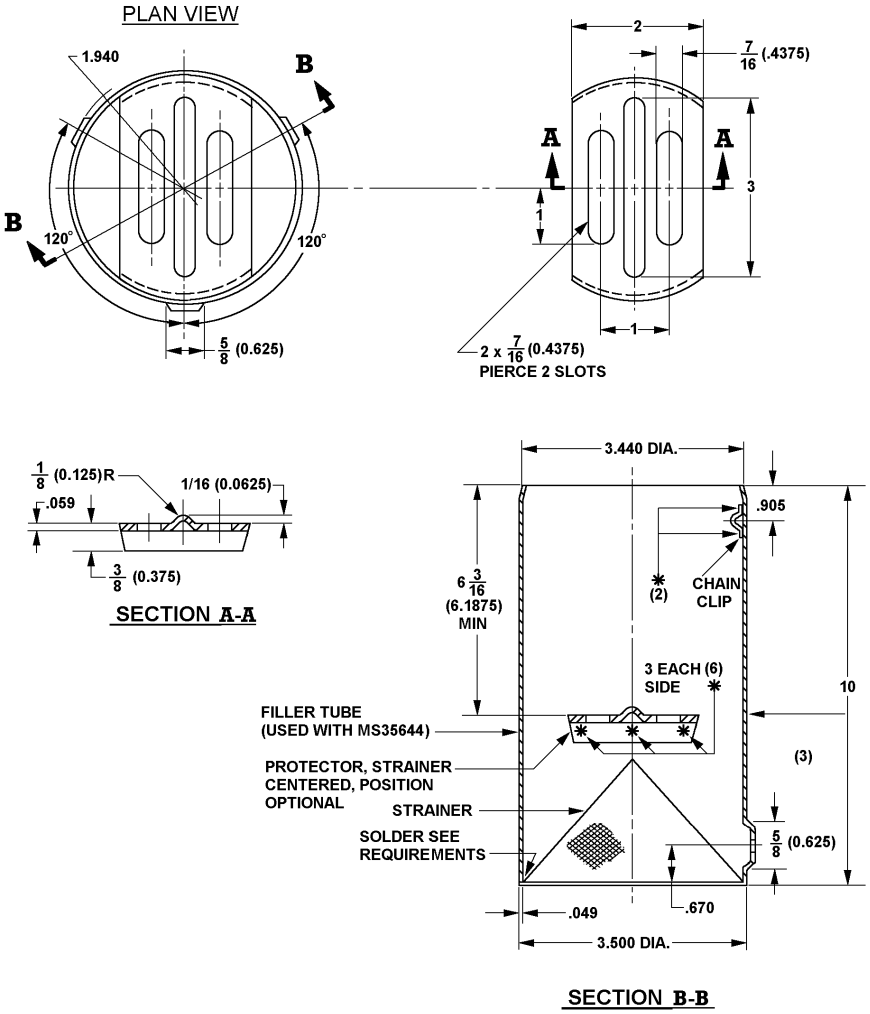

FIGURE 1. Filler tube.

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.049	1.2446	. 375	8.255	.905	22.987	3.00	76.2
.059	1.4986	. 4375	11.1125	1.00	25.4	3.440	87.376
.0625	1.5875	.625	15.875	1.940	49.275	3.500	88.9
.125	3.175	.670	17.018	2.00	50.8	6.1875	157.1625

NOTES:

1. Dimensions are in inches. Tolerances are ± 1/64 on fractions, ± .010 on decimals, ± 1º on angles.
2. Metric equivalents are given for information only.
3. All dimensions are “reference” dimensions.
4. For design feature purposes, this standard takes precedence over acquisition documents referenced herein.
5. 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.
6. This document is not intended to limit construction to features other than as shown herein by dimensions, notations or referenced documents.

FIGURE 1. Filler tube – Continued.

REQUIREMENTS:

Filler tube shall be specified on figure 1.

Strainer material shall be cloth, wire, industrial, square mesh, plain square weave, copper-zinc alloy or phosphor bronze, 60 X 60 mesh specified in ASTM-E2016.

Materials of other parts shall be steel, low-carbon 0.15% maximum, grade 1008 to 1012 HR or CR with temper 4 or temper 5 in accordance with QQ-S-698.

Optional material: ASTM-A1011/A1011M, Grade CS Type B, ASTM-A1008/A1008M, Grade CS Type B, or ASTM-A513 Grades 1008 or 1010.

Welding rod shall be Type I in accordance with SAE-AMS6457. Resistance spot welding shall be in accordance with AWS-D8.7 and AWS-D8.9. Arc welding shall be Type I in accordance with AWS-D1.1/D1.1M.

Solder shall be composition 40 or 50 in accordance with J-STD 004, J-STD 005, and J-STD 006 or composition 40 or 50 in accordance with ASTM-B32.

Surface shall be free from burrs and sharp edges.

Protective coating prior to installation of strainer:

Assembly shall be protected with zinc coating in accordance with ASTM-A153/A153M or zinc coating (electrodeposited) in accordance with ASTM-B633, Fe/Zn 5, Type VI.

Marking shall consist of the Part Identification Number (PIN) and manufacturer’s identification in accordance with MIL-STD-130.

Chain clip shall be in accordance with RR-C-271, Type II, Class 6, classified as an attachment, Type II is a connecting link, use of one link for the chain clip.

Part or Identifying Number (PIN).

Example of a PIN: MS90908-1 (base number)

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:

MIL-STD-130	ASTM-B633
MS35644	ASTM-E2016
QQ-S-698	AWS-D1.1/D1.1M
RR-C-271	AWS-D8.7
ASTM-A153/A153M	AWS-D8.9
ASTM-A513	J-STD-004
ASTM-A1008/A1008M	J-STD-005
ASTM-A1011/A1011M	J-STD-006
ASTM-B32	SAE-AMS6457

CONCLUDING MATERIAL

Custodians:
Army – AT
Navy – SH
Air Force – 99
DLA – CC

Review activities:
Army – CR4
Navy – MC, SA, YD
Air Force – 71

Preparing activity:
DLA – CC

(Project 2910-2010-002)

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.daps.dla.mil.