

DETAIL SPECIFICATION

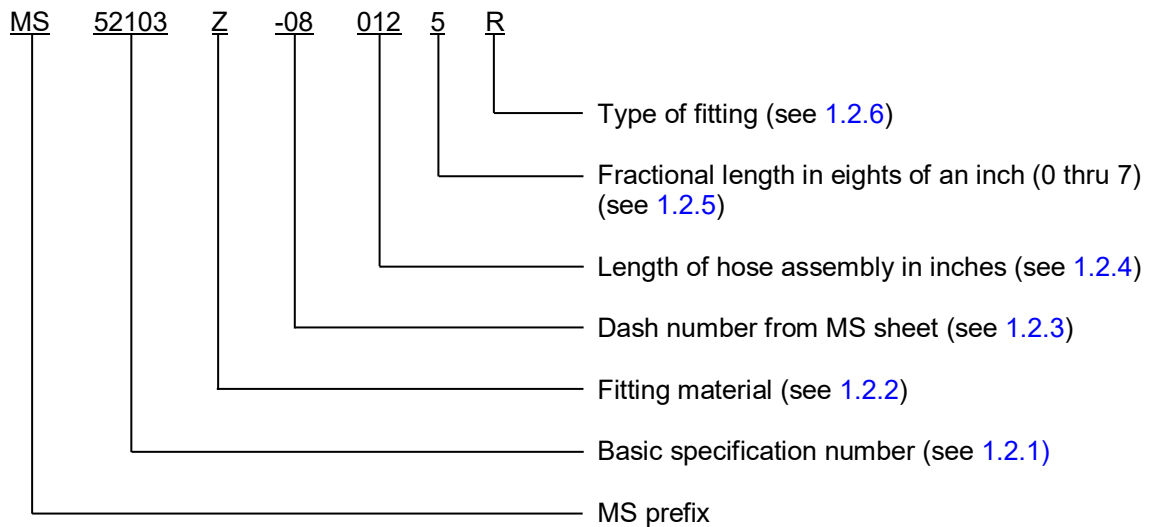
HOSE AND HOSE ASSEMBLIES, RUBBER: FUEL AND OIL

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

1. SCOPE

1.1 Scope. This specification covers hose and hose assemblies, rubber: fuel and oil. The hoses described in this specification consist of two types of fuel and oil hose, hose assemblies for military engine installations and other uses (see 6.1).

1.2 Part or Identifying Number (PIN). The PIN consists of the letters MS, the basic specification number, a forward slash, a detail specification number, a letter, a two digit number, a three digit number, a single digit number, and a letter.



PIN example: MS52103Z-080125R

Reference the respective MS sheets for additional PIN's used for ordering hose.

Comments, suggestions, or questions on this document should be addressed to: DLA Land and Maritime, ATTN: VAI, P.O. Box 3990, Columbus, Ohio 43218-3990, or emailed to FluidFlow@dla.mil. Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at <https://assist.dla.mil>.

AMSC N/A

FSC 4720



1.2.1 Basic specification.

MS52103 (type III) MS52104 (type I)

1.2.2 Fitting material. Reference MS52103 and MS52104 for applicable fitting material and plating available.

A - Carbon steel, cadmium plated.
B - Brass.
C- Carbon steel.
H - Carbon steel, zinc-aluminum.
R - Carbon steel, zinc plating Fe/Zn8.
S - Stainless Steel.
Z - Carbon steel, zinc plated class 8.
ZN - Carbon steel, zinc-nickel.

1.2.3 Dash number. Dash number from MS sheet defines the hose inside diameter (I.D), hose outside diameter (O.D.) and fitting thread.

1.2.4 Length of hose assembly. Length of hose assembly in inches (3 digits).

1.2.5 Fractional length. Fractional length in eighths of an inch (0 through 7).

1.2.6 Type of fitting.

R - Reusable.
P - Permanent.

1.3 Classification. Hose and hose assemblies consist of the following types and nominal inside diameter (I.D.) sizes as specified in MS52103 and MS52104 (see 3.1 and 6.2):

Type I	-	Single fabric braid reinforcement.
Type III	-	Single fabric and single wire braid reinforcement covered with synthetic-rubber-impregnated fabric braid, medium pressure and high temperature resistant.

2 APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in sections 3 and 4 of this specification, whether or not they are listed.

2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.