

INCH-POUND

MS33740D
18 October 2018
SUPERSEDING
MS33740C
18 October 1999

DETAIL SPECIFICATION SHEET

NIPPLE, PNEUMATIC STARTING, 3 INCH ID

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

REQUIREMENTS:

3-inch nipple shall be as specified on figure 1.

Material:

Bar or casting: Corrosion resistant steel UNS S30300.

Finish

Passivation in accordance with SAE-AMS2700, method 1, type 2 or 4 after machining.

Porosity Test: Finished castings shall not leak when subjected to 100-PSI air pressure and submerged in water for 3 minutes.



FIGURE 1. Nipple, pneumatic starting, 3 inch ID.

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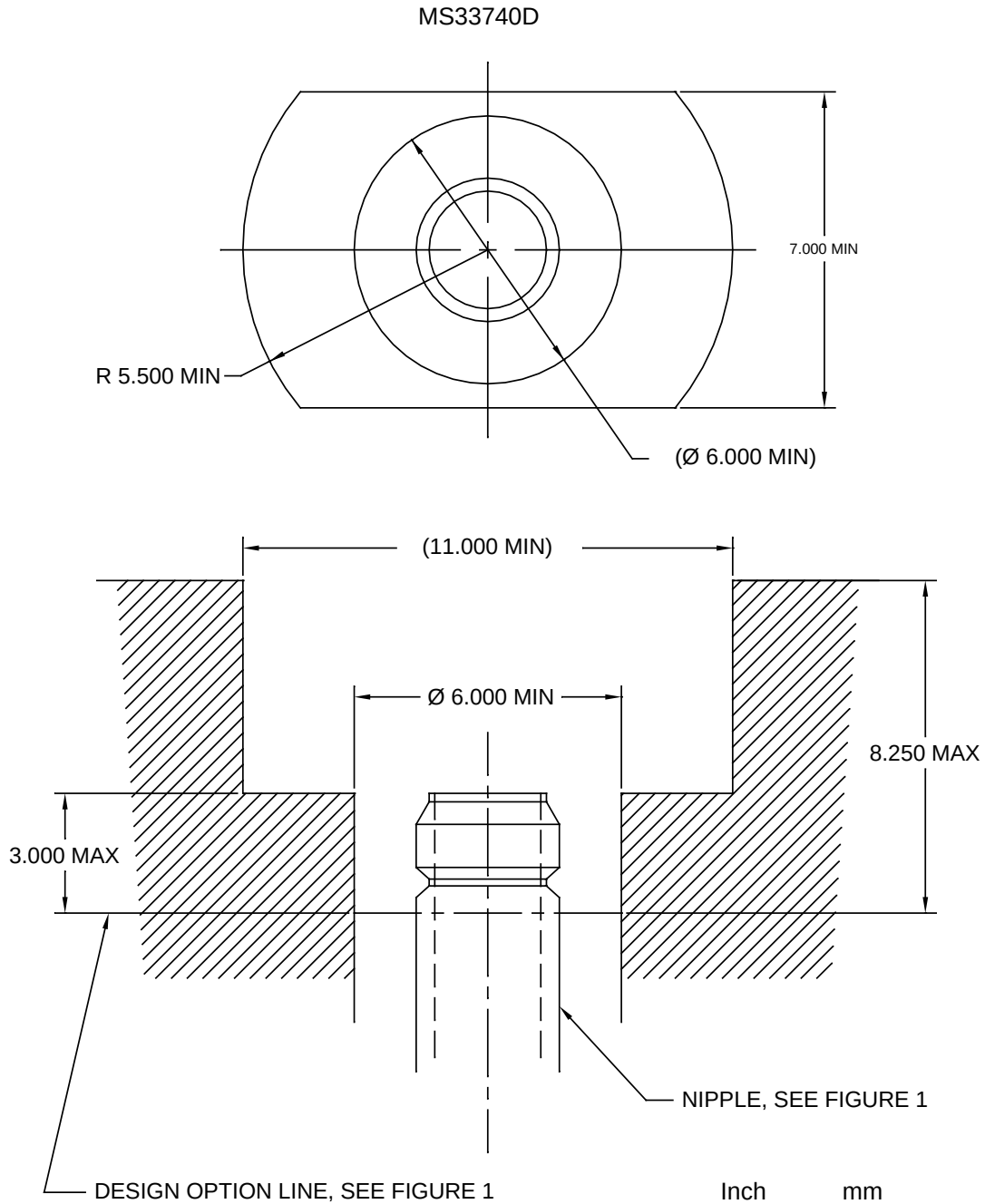
Inch	mm	Inch	mm
.002	0.05	1.050	26.67
.003	0.08	1.125	28.58
.005	0.13	2.625	66.68
.030	0.76	2.920	74.17
.035	0.89	3.100	78.74
.040	1.02	3.207	81.46
.060	1.52	3.300	83.82
.200	5.08	3.334	84.68
.375	9.53	3.400	86.36
.474	12.04	3.461	87.91
.512	13.00		

NOTES:

1. Dimensions in inches.
2. Metric equivalents are given for information only.
3. Tolerances: Decimals $\pm .010$ inch (0.25 mm), Angles $\pm \frac{1}{2}^\circ$.
4. All outside surfaces shall be finished to 125 μ in (3.18 μ m) Ra. Surface finish shall be in accordance with ASME B46.1.
5. Unless otherwise specified, all fillets to be .020 inch (0.51 mm) radius.
6. Remove burrs and break sharp edges .015 inch (0.38 mm) max.

FIGURE 1. Nipple, pneumatic starting, 3 inch ID - Continued.

Installation: When installed, space surrounding the nipple shall be free of any obstruction as shown in Figure 2.



NOTES:

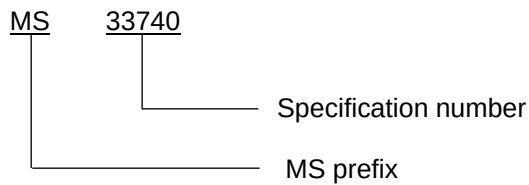
1. Dimensions in inches.
2. Metric equivalents are given for information only.

Inch	mm
3.000	7.62
5.500	139.70
6.000	152.4
7.000	177.80
8.250	209.55
11.000	279.40

FIGURE 2. Minimum clearance space for ground equipment connector.

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PIN: The PIN consists of the letters "MS" and the specification number.



Order of precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

Class I and II ozone depleting substances (ODS) shall not be used in MS33740 or any referenced procedures.

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

Certain provisions of this specification are the subject of international standardization agreement NATO STANAG 3372. When amendment revision, or cancellation of this specification is proposed which will modify the international agreement concerned, the preparing activity will take appropriate action through international standardization channels, including departmental standardization offices, to change the agreement or make other appropriate accommodations.

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:

ASME B46.1
NATO STANAG 3372
SAE-AMS2700

CONCLUDING MATERIAL

Custodians:
Navy - AS
Air Force - 71
DLA - CC

Preparing activity:
DLA - CC

(Project 4730-2018-099)

Review activities:
Air Force - 99

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>.