

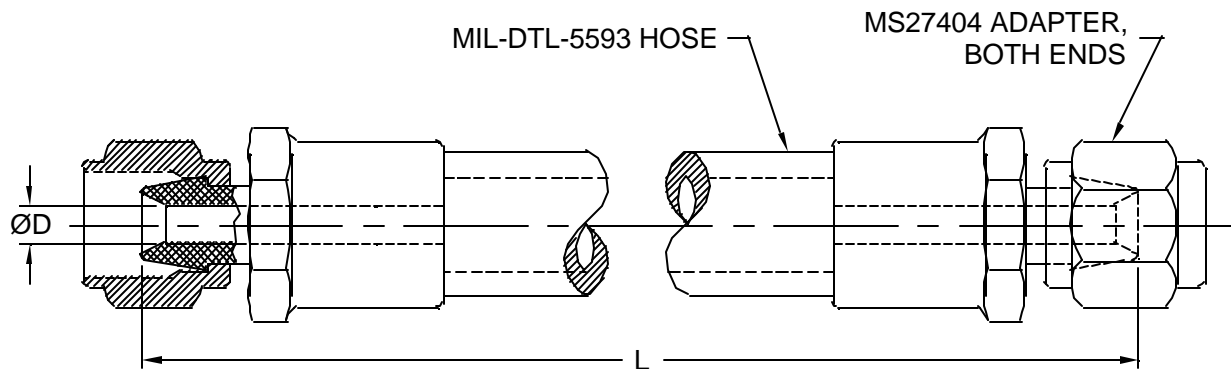
INCH-POUND

AN6270 REV 8  
 8 January 2002  
 SUPERSEDING  
 AN6270 REV 7  
 19 August 1974

## DETAIL SPECIFICATION SHEET

## HOSE ASSEMBLY - DETACHABLE SWIVEL FITTING, LOW PRESSURE

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

FIGURE 1. Hose assembly.TABLE I. Parts and dimensions.

Size	Tubing OD	Hose	Hose ID (nominal)	Adapter <u>1/</u>	D ±.010 Min
-2	.125	M5593-2	.125	MS27404-2	.052
-3	.188	M5593-3	.188	MS27404-3	.109
-4	.250	M5593-4	.250	MS27404-4	.156
-6	.375	M5593-6	.375	MS27404-6	.281
-8	.500	M5593-8	.500	MS27404-8	.375
-10	.625	M5593-10	.625	MS27404-10	.453

1/ Add D after dash number for aluminum alloy.  
 Add S after dash number for steel.

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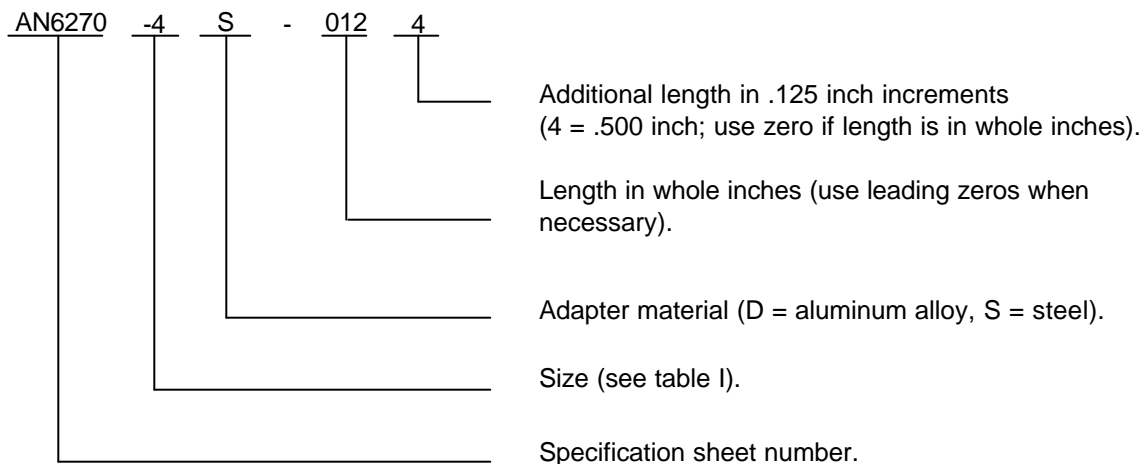
## REQUIREMENTS:

1. The hose shall be a product that is listed on QPL-5593. The adapter shall be a product that is listed on QPL-38726.
2. Hose assembly length (L) shall be specified with the following tolerances:
  - a. Less than 12 inches long (Tolerance  $\pm.12$ ).
  - b. 12 to 18 inches long (Tolerance  $\pm.25$ ).
  - c. Greater than 18 inches long (Tolerance  $\pm.50$ ).
3. The hose assembly shall withstand the proof pressure test specified in MIL-DTL-5593.
4. The hose assembly shall be identified with the part number on an attached tag that shall be removed upon installation.
5. The age of the hose assembly covered by this specification sheet and furnished for use by the Government shall not exceed the limits specified in SAE AS1933.

## NOTES:

1. Dimensioning and tolerancing: ASME Y14.5M.
2. Dimensions are in inches.
3. Part or Identifying Number (PIN):

Example of PIN: a hose assembly for .250-inch tubing with steel adapters, 12.5 inches long is described as AN6270-4S-0124.



4. Hose assemblies made to the previous issue may be used for a period of two years from the date of this revision to deplete existing stock.

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5. Referenced government documents of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DoDISS) specified in the solicitation form a part of this specification sheet to the extent specified herein.
6. For design feature purposes, this specification sheet takes precedence over acquisition documents referenced herein.
7. 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.

Custodians:

Air Force - 99  
Army - MI  
Navy - AS  
DLA - CC

Preparing activity:

DLA - CC

(Project 4720-0281)

Review activities:

Air Force - 71  
Army - AV  
Navy - MC, SA