

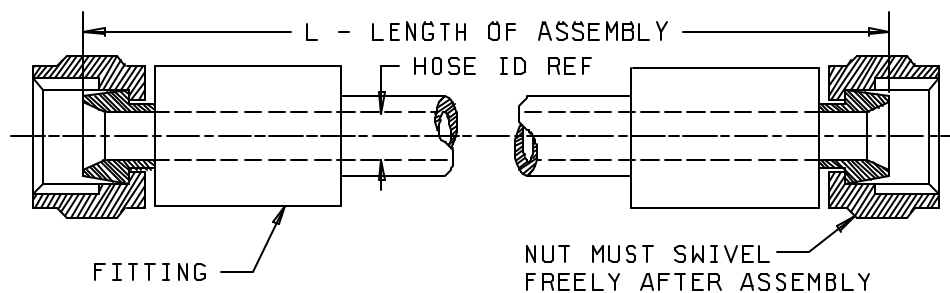
INCH-POUND

MS500077D  
 16 August 2002  
 SUPERSEDING  
 MIL-DTL-13531/1  
 22 April 1998

## DETAIL SPECIFICATION SHEET

HOSE ASSEMBLY, RUBBER: HYDRAULIC AND  
 PNEUMATIC, MEDIUM PRESSURE,  
 FLARED TUBE

The requirements for acquiring the product described herein  
 shall consist of this specification and MIL-DTL-13531.



## NOTES:

1. All undimensioned pictorial representations are for reference purposes only.
2. Dimension "L" is the defined length of the hose assembly.
3. Hose assemblies shall be specified in the following length increments:
  - a. Under 24 inches - ½ inch increments.
  - b. 24 to 36 inches - 1-inch increments.
  - c. Over 36 inches - in not less than 2-inch increments.
4. Tolerances:  $\pm 1/8$  for length under 24 inches,  $\pm 1/4$  for length from 24 to 36 inches,  $\pm 1\%$  for length over 36 inches.

FIGURE 1. General configuration.

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TABLE I. Hose and fitting thread sizes.

Size	Hose ID reference		Hose OD reference				Fitting thread reference
			Class A		Class B		
	Inches	mm	Inches	mm	Inches	mm	
3	.187	5.0	.500	12.5	.465	11.8	3/8-24
4	.250	6.5	.625	15.9	.527	13.4	7/16-20
5	.312	8.0	.688	17.5	.590	15.0	1/2-20
6	.375	9.5	.781	20.0	.684	17.4	9/16-18
8	.500	12.5	.906	23.0	.805	20.5	3/4-16
10	.635	15.9	1.031	26.0	.930	23.6	7/8-14
12	.750	19.0	1.187	30.0	1.086	27.6	1-1/16-12
14	.875	22.0	1.313	33.3	1.211	31.0	1-3/16-12
16	1.000	25.5	1.500	38.1	1.430	36.3	1-5/16-12
20	1.250	32.0	1.812	46.0	1.741	44.2	1-5/8-12
24	1.500	38.0	2.082	53.0	1.968	50.0	1-7/8-12
32	2.000	51.0	2.625	66.7	2.500	63.5	2-1/2-12

## REQUIREMENTS

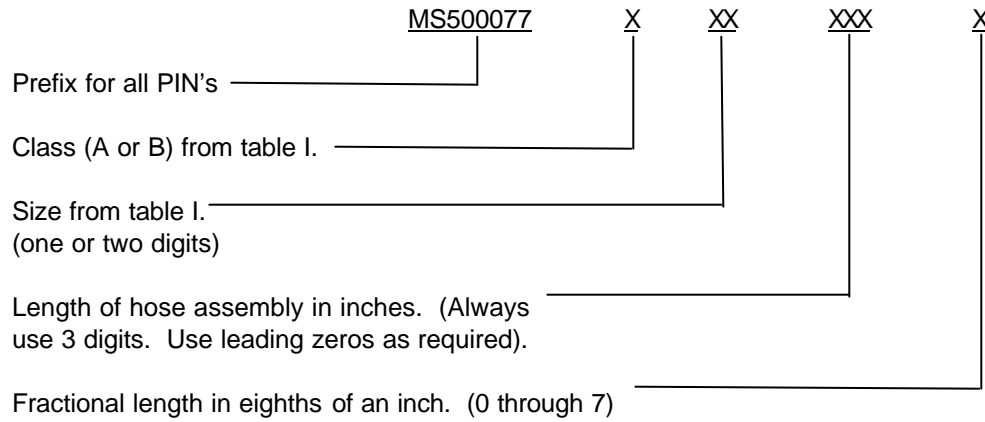
Design and configuration: See figure 1.

Hose material: Type I, class A or B.

Fittings: In accordance with SAE-J516 female 37°, flared type. Carbon steel zinc plated is not for use in aircraft; use corrosion resistant steel.

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Part or Identifying Number (PIN). The PIN is to be used for hose assemblies acquired to this specification. Example is shown below:



## CONCLUDING MATERIAL

Custodian:  
 Army - AT  
 Navy - SH  
 Air Force - 99  
 DLA - CC

Preparing activity:  
 DLA - CC  
 (Project 4720-0277-02)

Review activities:  
 Army - AR, AV, CR4, MI  
 Navy - AS, MC, SA  
 Air Force - 71