

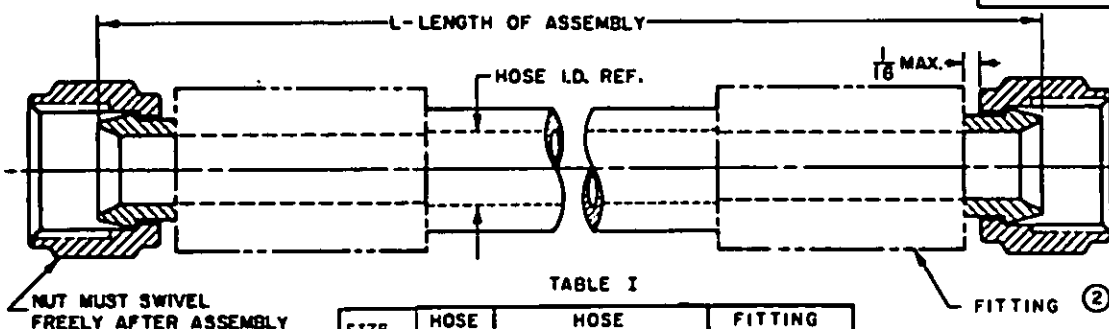
FED. SUP CLASS
4720

TABLE I

SIZE	HOSE I.O. REF.	HOSE O.D. REF.		FITTING THREAD REF.
		CLASS A	CLASS B	
3	$\frac{3}{16}$	.500	.465	$\frac{3}{8}$ - 24
4	$\frac{1}{4}$	.625	.527	$\frac{7}{16}$ - 20
5	$\frac{5}{16}$	.688	.590	$\frac{1}{2}$ - 20
6	$\frac{3}{8}$	.781	.684	$\frac{9}{16}$ - 18
8	$\frac{1}{2}$	.906	.805	$\frac{3}{4}$ - 16
10	$\frac{5}{8}$	1.031	.930	$\frac{7}{8}$ - 14
12	$\frac{3}{4}$	1.187	1.086	$1\frac{1}{8}$ - 12
14	$\frac{7}{8}$	1.313	1.211	$1\frac{3}{8}$ - 12
16	1	1.500	1.430	$1\frac{5}{8}$ - 12
20	$1\frac{1}{4}$	1.812	1.741	$1\frac{3}{4}$ - 12
24	$1\frac{1}{2}$	2.062	1.968	$1\frac{7}{8}$ - 12
32	2	2.625	2.500	$2\frac{1}{2}$ - 12

NOTES:

1. MATERIAL: THE HOSE USED IN THESE ASSEMBLIES, SHALL BE IN ACCORDANCE WITH MIL-H-13531, TYPE I, CLASS A, OR B.
2. FITTINGS SHALL BE OF THE JIC 37° FLARED TYPE AND AS SPECIFIED IN MIL-H-13531.
3. HOSE ASSEMBLIES SHALL BE SPECIFIED IN THE FOLLOWING INCREMENTS:
 - A. UNDER 24 INCHES- IN $\frac{1}{2}$ INCH INCREMENTS.
 - B. FROM 24 TO 36 INCHES- IN 1 INCH INCREMENTS.
 - C. OVER 36 INCHES- IN NOT LESS THAN 2 INCH INCREMENTS.
4. TOLERANCES: $\pm \frac{1}{8}$ FOR LENGTH UNDER 24 INCHES, $\pm \frac{1}{4}$ FOR LENGTH FROM 24 TO 36 INCHES, $\pm 1\%$ FOR LENGTH OVER 36 INCHES.
5. THE MS PART NUMBER SHALL CONSIST OF THE MS NUMBER, PLUS THE LETTER A OR B INDICATING SIZE AND CLASS OF HOSE, PLUS THE CODE NUMBER FOR LENGTH. EXAMPLE: **MS 500077AB0164**

FRACTIONS IN EIGHTHS OF AN INCH.
INCHES IN LENGTH.

MS NUMBER

6. THREADS SHALL BE IN ACCORDANCE WITH SCREW THREAD STDS FOR FEDERAL SERVICE HANDBOOK H28.
7. FOR DESIGN FEATURE PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
8. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, AND REFERENCED DOCUMENTS.
9. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS.
10. MARKING SHALL CONSIST OF THE MS PART NUMBER, MANUFACTURER'S IDENTIFICATION, AND DATE OF ASSEMBLY IN ACCORDANCE WITH PROCUREMENT SPECIFICATION AND MIL-STD-190.

P.A. ARMY-AT
Other Cast

TITLE

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

MILITARY STANDARD

MS 500077(AT)

PROCUREMENT SPECIFICATION
MIL-H-13531

SUPERSEDES

SHEET 1 OF 2

REVIEW ACTIVITIES: ARMY- MI, ME, WC
USER ACTIVITIES: ARMY- AV, MU

This military standard is approved by the U. S. Army Tank-Automotive Command, Department of the Army, and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

APPROVED 24 APRIL 1967 REVISED (A) 26 JULY 1968 (B) 16 JULY 1969 (C) 19 JAN. 1976

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INTERCHANGEABILITY TABLE
A CROSS REFERENCE BETWEEN CORRESPONDING DASH
NUMBERS OF REVISIONS "A" AND "B" OF MS 500077
WHICH RELATE TO HOSE INSIDE DIAMETERS, IS SHOWN
FOR INFORMATION PURPOSES.

TABLE II

HOSE I.D. (REF)	SUPERSEDED MS500077, REV. A DASH NO.	SUPERSEDING MS500077, REV. B DASH NO.
$\frac{3}{16}$	-4	-3
$\frac{1}{4}$	-5	-4
$\frac{5}{16}$	-6	-5
$\frac{3}{8}$	-8	-6
$\frac{1}{2}$	-10	-8
$\frac{5}{8}$	-12	-10
$\frac{3}{4}$	NOT LISTED	-12
$\frac{7}{8}$	-16	-14
1	NOT LISTED	-16
$1\frac{1}{8}$	-20 *	—
$1\frac{1}{4}$	—	-20
$1\frac{3}{8}$	-24 *	—
$1\frac{1}{2}$	—	-24
$1\frac{13}{16}$	-32 *	—
2	—	-32

REVIEW ACTIVITY
USER ACTIVITY

This military standard is approved by the U. S. Army Tank-Automotive Command,
Department of the Army, and is mandatory for use by that activity. All other
military activities are required to employ this standard where suitable.

APPROVED 24 APRIL 1967 REVISED (B) SHEET 2 ADDED (C) SHEET 1 REVISED

P.A. ARMY-AT Other Cust	TITLE HOSE ASSEMBLY, RUBBER: HYDRAULIC AND PNEUMATIC, MEDIUM PRESSURE, FLARED TUBE	MILITARY STANDARD MS500077(AT)
PROCUREMENT SPECIFICATION MIL-H-13531	SUPERSEDES:	SHEET 2

DD FORM 672-1

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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