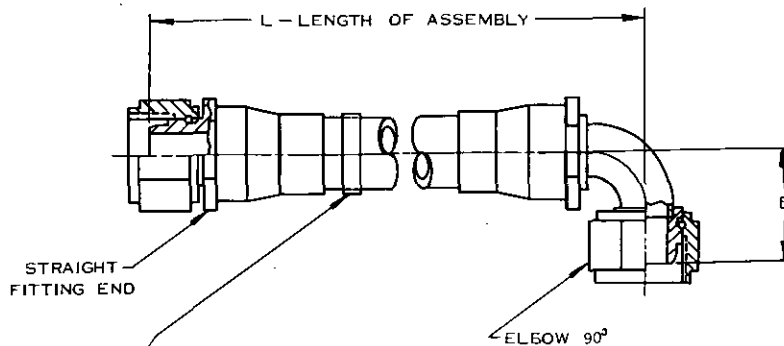


FED. SUP. CLASS  
4720

PERMANENT BAND CARRYING THE FOLLOWING MARKING:

MS PART NO.  
MFR. NAME OR TRADEMARK  
HOSE MFR. FED. SUPPLY CODE NO.  
OPERATING PRESSURE 3000 P.S.I.  
PRESSURE TEST SYMBOL "PT"  
DATE OF HOSE ASSY. MFR. EXPRESSED  
IN TERMS OF MONTH AND YEAR

DASH NO.	CODE LETTER	TUBING O.D. REF.	HOSE I.D. REF.	B REACH (D)	
				MIN	MAX
-4	E	1/4	7/32	.660	.956
-6	G	3/8	5/16	.910	1.196
-8	H	1/2	7/16	1.063	1.520
-10	J	5/8	9/16	1.400	1.940
-12	K	3/4	1 1/16	1.550	2.180
-16	M	1	7/8	1.854	2.500
-20	N	1 - 1/4	1 - 1/8	2.453	2.578

SWIVEL NUTS MUST HAVE HEX DIMENSIONS IN ACCORDANCE WITH MS21921, AND MUST BE INCAPABLE OF BEING REMOVED FROM THE FITTING ASSEMBLY.

A TRUE CIRCULAR CROSS SECTION IS NOT REQUIRED WITHIN THE ANGLE OF THE BEND OF THE END FITTING, HOWEVER, A BALL .031 INCH SMALLER THAN THE STRAIGHT TUBE I.D. MUST PASS THROUGH THE ENTIRE TUBE AFTER BENDING. FITTING END TO MATE WITH MS33514.

HOSE ASSEMBLIES TO BE SPECIFIED AS:

- 12 INCHES LONG AND UNDER—INCREMENTS NOT LESS THAN 1/8 INCH (TOLERANCE  $\pm 1/8$  INCH)
- 12 INCHES TO 18 INCHES LONG—INCREMENTS NOT LESS THAN 1/4 INCH (TOLERANCE  $\pm 1/8$  INCH)
- 18 INCHES TO 36 INCHES LONG—INCREMENTS NOT LESS THAN 1/2 INCH (TOLERANCE  $\pm 1/4$  INCH)
- OVER 36 INCHES LONG—INCREMENTS NOT LESS THAN 1 INCH (TOLERANCE  $\pm 1\%$  OF LENGTH)

THE PART NO. SHALL BE FORMULATED TO REFLECT THE BASE ASSEMBLY NUMBER, SIZE AND LENGTH.

(F) CANCELLED - FOR PROCUREMENT USE AS117 AND AS623

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Review activities:  
Army - DE, AF, NT  
Navy - AS  
USAF - II, 02

User activities:

P.A. USAF - II  
Other Cust: Army - ME  
Navy - AS

TITLE HOSE ASSEMBLY. (1)  
TETRAFLUOROETHYLENE, HYDRAULIC  
AND PNEUMATIC, (3000 P.S.I.), STRAIGHT  
TO ELBOW 90°, FLARELESS

MILITARY STANDARD  
MS27371

PROCUREMENT SPECIFICATION  
MIL-STD 38360

SUPERSEDES.

SHEET 1 OF 2

APPROVED 2 Apr 65 REVISED (A) 7 Dec 66 (B) 21 Nov 67 (C) 21 May 68 (D) 18 Aug 72 (E) 15 DEC 76 (F) 20 JUNE 1986

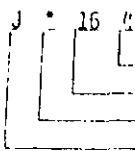
4720-0740

FED. SUP CLASS

4720

## EXAMPLE OF PART NUMBER

MS 27371



LENGTH IN EIGHTHS OF AN INCH

LENGTH IN INCHES

\* CODE LETTER SEE BELOW

SIZE DESIGNATION FOR -10

## \* ADD CODE LETTER BELOW FOR ADDITIONAL FEATURES (IF REQUIRED)

- "A" AS 1072-XX-SIL SLEEVE, FIRE PROTECTION (SILICONE) (-65°F (-54°C) THRU +500°F (+260°C)) SECURE WITH CRES BANDS AS REQUIRED
- "B" AS 1073-XX-A/B SLEEVE, HEAT SHRINKABLE (-65°F (-54°C) THRU +250°F (121°C)) (A DESIGNATES TRANSPARENT COVER FOR I.D. BANDS, ETC., MATERIAL IRADIATED POLYOLEFIN, NOT FLAME RESISTANT) (B DESIGNATES OPAQUE BLACK COVER FOR ABRASION PROTECTION, SELF-EXTINGUISHING IN FLAME)
- "C" AS 1291-XX-A/B SLEEVE, CHAFEGUARD, TFE (-65°F (-54°C) THRU +500°F (+232°C)) (A DESIGNATES WHITE EXTRUDED AND SEAMLESS) (B DESIGNATES BLACK EXTRUDED AND SEAMLESS) WITH CRES BANDS, AS REQUIRED
- "D" AS 1291-XX-C SLEEVE, CHAFE GUARD, FEP (-65°F (-54°C) THRU +350°F (+177°C)) (C DESIGNATES TRANSPARENT FEP) SECURE WITH CRES BANDS AS REQUIRED
- "E" AS 1291-XX SLEEVE, HEAVY WALL, CHAFE GUARD, TFE (-65°F (-54°C) THRU +450°F (+232°C)) SECURE WITH CRES BANDS
- "L" LOCKWIRE HOLE
- "F" CODE A + L
- "G" CODE B + L
- "H" CODE C + L
- "J" CODE D + L
- "K" CODE E + L

THE CUT ENDS OF THE FIRE PROTECTION SLEEVE (CODE A) SHALL BE COATED WITH RTV SILICONE RUBBER, PRIOR TO INSTALLATION TO PREVENT WICKING OF FLUIDS. AFTER INSTALLATION, CRACKS OR VOIDS IN THE FIRE PROTECTION SLEEVE, WHICH EXPOSE THE ASBESTOS, SHALL BE COATED WITH RTV RUBBER.

## DIMENSIONS IN INCHES.

FOR DESIGN PURPOSES THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENT SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.

P. A. AIR FORCE - 1 Other Cost ARMY - ME NAVY - AS	INTERNATIONAL INTEREST	TITLE HOSE ASSEMBLY, TETRAFLUOROETHYLENE, HYDRAULIC AND PNEUMATIC, (3000 P.S.I.), STRAIGHT TO ELBOW 90° FLARELESS	<b>MILITARY STANDARD</b> <b>MS 27371</b>
PROCUREMENT SPECIFICATION MIL-H-23500	SUPERSEDES:	SHEET 2 OF	