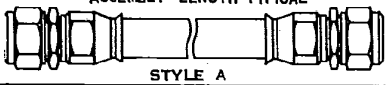
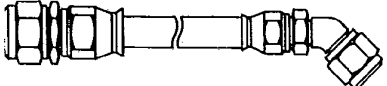
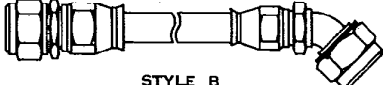
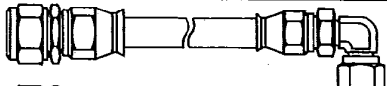
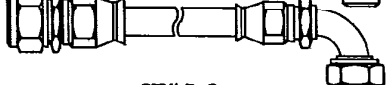
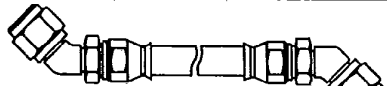
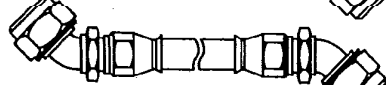
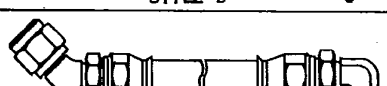
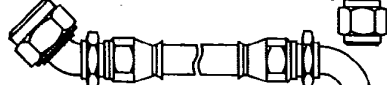

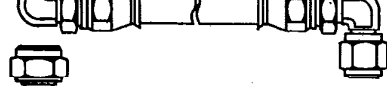

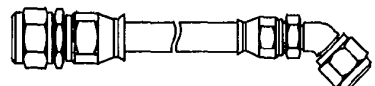
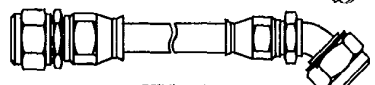

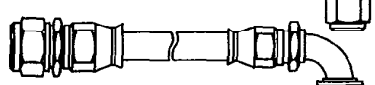
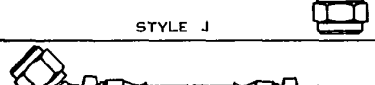
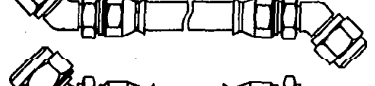
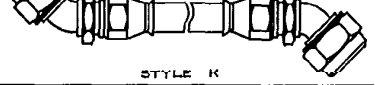
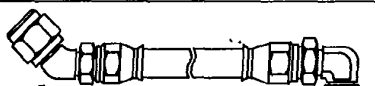
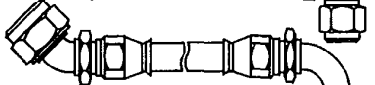



User: Army - AB, ML; Navy - SH; Air Force - DLA - CS  
 Review: Army - CL; Navy - SH; Air Force - DLA - CS  
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CONFIGURATION AND MATERIAL		CORROSION RESISTANT STEEL (450°F)											FED. SUP CLASS				
		FITTING ENDS (MIL-F-27272)		(MIL-H-27267) HOSE CUT OFF FACTOR (HCOF) INCHES VS HOSE DASH SIZE NO											4720		
1	2	1	2	-3/4C	-4C	-5C	-6C	-8C	-10C	-12C	-16C	-20C	-24C				
ASSEMBLY LENGTH TYPICAL  STYLE A		MS27053	MS27053	1,40	1,48	1,54	1,62	1,86	2,10	2,26	2,60	2,88	3,32				
 STYLE B		MS27053	MS27059	1,78	1,92	1,99	2,10	2,72									
 STYLE B		MS27053	MS27055						2,63	3,18	3,44	3,86	4,41				
 STYLE C		MS27053	MS27060	1,56	1,65	1,74	1,84	2,24									
 STYLE C		MS27053	MS27057						2,46	3,05	3,35	3,78	4,34				
 STYLE D		MS27059	MS27059	2,16	2,36	2,44	2,58	3,58									
 STYLE D		MS27055	MS27055						3,16	4,10	4,28	4,84	5,50				
 STYLE E		MS27059	MS27060	1,94	2,09	2,19	2,32	3,10									
 STYLE E		MS27055	MS27057						2,99	3,97	4,19	4,76	5,43				
 STYLE F		MS27060	MS27060	1,72	1,82	1,94	2,06	2,62									
 STYLE F		MS27057	MS27057						2,82	3,84	4,10	4,68	5,36				
EXAMPLE OF HOSE CUTOFF FACTOR: FOR A -4, 1/4 TUBE OD, 18-1/2 ASSEMBLY LENGTH, STYLE D, THE BULK HOSE LENGTH = 18.50 - THE HCOF = 18.50 - 2.36 = 16.14. BULK HOSE LENGTH REQUIRED IS 16.14 INCHES.																	
FITTINGS TO MATE WITH PARTS DESIGNED TO MS33656.														© ENTIRE STANDARD REVISED.			
P. A. AIR FORCE-11		INTERNATIONAL INTEREST		TITLE HOSE ASSEMBLY, DETACHABLE FITTINGS, TETRAFLUOROETHYLENE, HIGH TEMPERATURE, MEDIUM PRESSURE, FLARE TO FLARE										MILITARY STANDARD			
Other Cust ARMY - AV NAVY - AS													MS 8000				
PROCUREMENT SPECIFICATION MIL-H-25579		SUPERSEDES:											SHEET 1 of 1 POC 4720				

APPROVED 28 FEB 67 REVISED 16 AUG 71 15 DEC 76 © 30 June 1965

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 User: Army - AS, ML; Navy - AS, ML; Air Force - DIA -  
 Reviewer: Army - GL; Navy - AS, ML; Air Force - DIA - CS

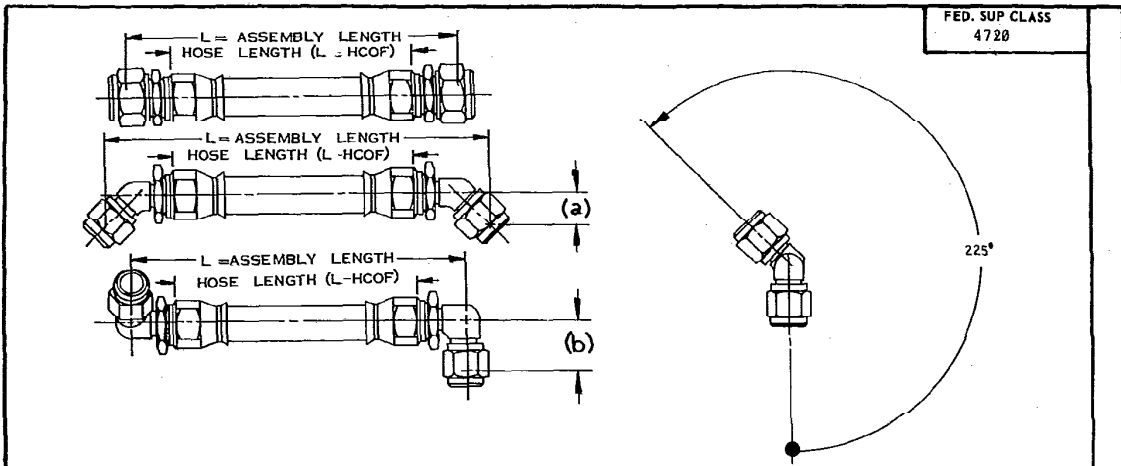
CONFIGURATION AND MATERIAL COMBINATION ALUMINUM AND CORROSION RESISTANT STEEL (275°F)		FED. SUP CLASS 4720											
		FITTING ENDS (MIL-F-27272)		(MIL-H-27267) HOSE CUT OFF FACTOR (HCOF) INCHES VS HOSE DASH SIZE NO.									
1	2	1	2					-8	-10	-12	-16	-20	-24
ASSEMBLY LENGTH TYPICAL  STYLE G		MS27053	MS27053					1,86	2,10	2,26	2,60	2,88	3,32
 STYLE H		MS27053	MS27059					2,72					
 STYLE J		MS27053	MS27055					2,63	3,18	3,44	3,86	4,41	
 STYLE J		MS27053	MS27060					2,24					
 STYLE J		MS27053	MS27057					2,46	3,05	3,35	3,78	4,34	
 STYLE K		MS27059	MS27059					3,58					
 STYLE K		MS27055	MS27055					3,16	4,10	4,28	4,84	5,50	
 STYLE M		MS27059	MS27060					3,10					
 STYLE M		MS27055	MS27057					2,99	3,97	4,19	4,76	5,43	
 STYLE N		MS27060	MS27060					2,62					
 STYLE N		MS27057	MS27057					2,82	3,84	4,10	4,68	5,36	
EXAMPLE OF HOSE CUTOFF FACTOR: FOR A -8, 1/2 TUBE OD, 18-1/2 ASSEMBLY LENGTH, STYLE K, THE BULK HOSE LENGTH = 18.50 - THE HCOF = 18.50 - 3.58 = 14.92. BULK HOSE LENGTH REQUIRED IS 14.92 INCHES. FITTINGS TO MATE WITH PARTS DESIGNED TO MS33656.													
P. A. AIR FORCE-11		INTERNATIONAL INTEREST		TITLE				MILITARY STANDARD					
Other USE: ARMY - AV, NAVY - AS				HOSE ASSEMBLY, DETACHABLE FITTINGS, TETRAFLUOROETHYLENE, HIGH TEMPERATURE, MEDIUM PRESSURE, FLARE TO FLARE				MS 8000					
PROCUREMENT SPECIFICATION MIL-H-25579		SUPERSEDES:						SHEET 2 of 4		PSC 4720			

APPROVED 28 FEB 67 REVISED 16 AUG 71 15 DEC 76 30 June 1985

USER ACTIVITIES: Army - LR, MI  
Air Force -  
DLA -

REVIEWER ACTIVITIES: Army - GL  
Navy -  
DLA - CS

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FED. SUP CLASS  
4720

EXAMPLE OF ANGULAR ALIGNMENT OF END FITTING

DASH NO.	TUBING O.D. REF.	SIZE	DROP HEIGHT OF ELBOW FITTING MAX	
			(a)	(b)
-3/-4	NOTE 2	B	.303	.550
-4	1/4	B	.342	.600
-5	5/16	B	.368	.675
-6	3/8	C	.409	.740
-8	1/2	H	.485	.850
-10	5/8	C	.571	1.161
-12	3/4	K	.658	1.411
-16	1	M	.695	1.535
-20	1-1/4	N	.803	1.817
-24	1-1/2	N	.902	2.067

ANGLE BETWEEN ELBOW FITTINGS, WHEN PROJECTED ON A PLANE PERPENDICULAR TO THE HOSE AXIS SHALL BE SPECIFIED. SIGHTING ALONG THE AXIS OF THE HOSE, THE ANGLE SPECIFIED WILL BE THE ANGLE THAT THE FURTHERST ELBOW FITTING SHOULD BE ROTATED COUNTER-CLOCKWISE. TOLERANCE ON ANGULAR ALIGNMENT ± 2°.

LENGTH "L" TO BE MEASURED BETWEEN CENTERS OF NIPPLE ENDS ALONG A STRAIGHT LINE PARALLEL TO HOSE LENGTH WITH HOSE LAID OUT HORIZONTALLY AND STRAIGHT.

HOSE IN ACCORDANCE WITH MIL-H-27267.

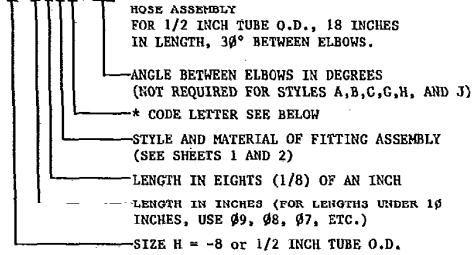
HOSE ASSEMBLY TO BE SPECIFIED IN INCHES AND IN THE FOLLOWING LENGTH INCREMENTS ONLY:

- UNDER 12 INCHES LONG, NOT LESS THAN 1/8 INCH INCREMENTS. TOLERANCE ± 1/8.
- 12 TO 18 INCHES LONG, NOT LESS THAN 1/4 INCH INCREMENTS. TOLERANCE ± 1/8.
- OVER 18 INCHES LONG, NOT LESS THAN 1/2 INCH INCREMENTS.
- TOLERANCE FOR LENGTHS FROM 18 TO 36 INCHES ± 1/4.
- TOLERANCE FOR LENGTHS FROM 36 TO 50 INCHES ± 1/2.
- TOLERANCE FOR LENGTHS OVER 50 INCHES ± 1 1/8.

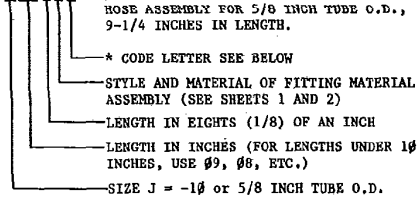
THE PART NUMBER SHALL BE FORMULATED TO REFLECT THE HOSE ASSEMBLY TUBE O.D., LENGTH, STYLE, AND ANGLE BETWEEN ELBOWS, AS APPLICABLE.

EXAMPLES OF PART NO.

MS8000H120E30



MS8000J092B\*



\* ADD CODE LETTER AS FOLLOWS FOR ADDITIONAL FEATURES (IF REQUIRED)

P. A. AIR FORCE-11 Other Cust  ARMY - AV NAVY - AS	INTERNATIONAL INTEREST	TITLE  HOSE ASSEMBLY, DETACHABLE FITTINGS, TETRAFLUOROETHYLENE, HIGH TEMPERATURE, MEDIUM PRESSURE, FLARE TO FLARE	MILITARY STANDARD
			MS 8000
PROCUREMENT SPECIFICATION MIL-H-25579	SUPERSEDES:		SHEET 3 of 4 FSC 4720

DD FORM 1 MAY 73 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Project No. 4720-0531

APPROVED 20 FEB 67 REVISED 16 AUG 71 15 DEC 76 30 June 1985

FED. SUP CLASS  
4720USER ACTIVITIES: Army - AR, MI  
Navy - SR  
Air Force -  
DLA -REVIEWER ACTIVITIES: Army - GL  
Navy -  
Air Force -  
DLA - CS

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- "A" AS1072 SLEEVE, FIRE PROTECTION, SILICONE COVERED, -65°F (-54°C) THRU +200°F (+209°C) SECURED WITH CRES BANDS AS REQUIRED.
- "B" AS1073 - CODE BE SLEEVE, ABRASION PROTECTION, HEAT SHRINKABLE, BLACK POLYOLEFIN, -65°F (-54°C) THRU +250°F (+121°C).
- "C" AS1291 - CODE A SLEEVE, CHAFE GUARD, EXTRUDED SEAMLESS WHITE TFE, -65°F (-54°C) THRU +450°F (+232°C) SECURED WITH CRES BANDS AS REQUIRED.
- "D" AS1291 - CODE C SLEEVE, CHAFE GUARD, EXTRUDED SEAMLESS TRANSPARENT TFE, -65°F (-54°C) THRU +350°F (+177°C) SECURED WITH CRES BANDS AS REQUIRED.
- "E" AS1298 SLEEVE, HEAVY WALL CHAFE GUARD, EXTRUDED SEAMLESS BLACK TFE, -65°F (-54°C) THRU +450°F (+232°C) SECURED WITH CRES BANDS AS REQUIRED.
- "L" LOCKWIRE HOLE
- "E" CODE A + L
- "G" CODE B + L
- "H" CODE C + L
- "J" CODE D + L
- "K" CODE E + L

## NOTES:

- IN COMBINATION CRES AND ALUMINUM FITTINGS, THE SOCKET, SLEEVE, AND RETAINER WIRE ARE CORROSION RESISTING STEEL. THE OTHER PARTS ARE ALUMINUM.
- A -3/-4 ASSEMBLY CONSISTS OF -3 TUBE O.D. FITTINGS WITH -4 TUBE O.D. HOSE.
- DIMENSIONS IN INCHES.
- REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
- FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
- FOR DETAIL DESIGN AND SIZE OF END FITTINGS, SEE CORRESPONDING DASH NUMBER ON APPLICABLE MS DRAWING.
- FOR "IDENTIFICATION OF PRODUCT," SEE PROCUREMENT SPECIFICATION.
- 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/FIBERGLAS, SHALL BE COATED WITH RTV RUBBER.

APPROVED 20 FEB 67 REVISED 16 AUG 71 15 DEC 76 30 June 1985

P. A. AIR FORCE - 11 Other Cust	INTERNATIONAL INTEREST	TITLE  HOSE ASSEMBLY, DETACHABLE FITTINGS, TETRAFLUOROETHYLENE, HIGH TEMPERATURE, MEDIUM PRESSURE, FLARE TO FLARE	MILITARY STANDARD
			MS 8000
PROCUREMENT SPECIFICATION MIL-H-25579	SUPERSEDES:	SHEET 4 of 4 FSC 4720	

DD FORM 1 MAY 73 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Project No. 4720-0531