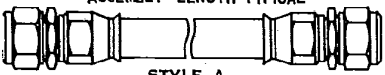
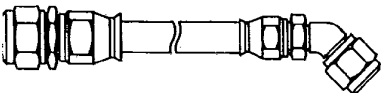
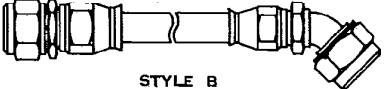
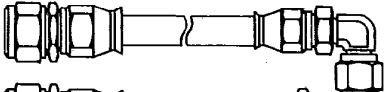
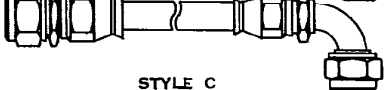
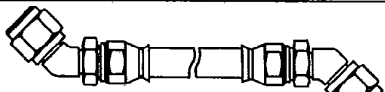
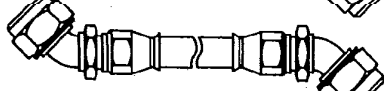
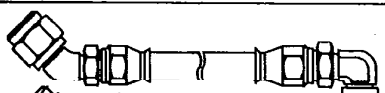
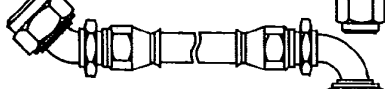

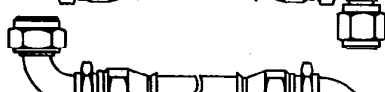


CONFIGURATION AND MATERIAL				FED. SUP CLASS											
CORROSION RESISTANT STEEL (450°F)				FITTING ENDS (MIL-F-27272)		(MIL-H-27267) HOSE CUT OFF FACTOR (HCOF) INCHES VS HOSE DASH SIZE NO									
1	2	1	2	-3/4C	-4C	-5C	-6C	-8C	-10C	-12C	-16C	-20C	-24C		
 ASSEMBLY LENGTH TYPICAL STYLE A				MS27053	MS27053	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.															
P. A. AIR FORCE-11				INTERNATIONAL INTEREST				TITLE				MILITARY STANDARD			
Other Cust 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 1 OF 1 FOC 4720			

Approved 28 Feb 67
Revised 16 Aug 71
15 Dec 76
30 June 1985

© ENTIRE STANDARD REVISED.

User - AR, MI
Activities: Navy - SH
Air Force - DLA - DL

User - GL
Activities: Navy - CS
Air Force - DLA - CS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document, when applicable.

User: Army - AB, M,
Navy - SH
Activities: Air Force -
DLA -

Review: Army - CL
Navy -
Activities: Air Force -
DLA - CS

This military standard is approved for use by all Departments
and Agencies for the design and development of all
new engineering and design applications and for repetitive use
shall be made from this document, when applicable.

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

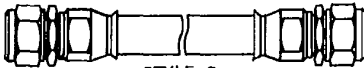
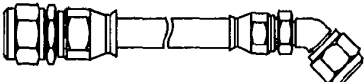
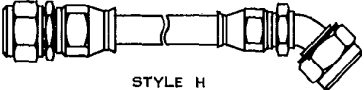
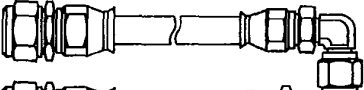
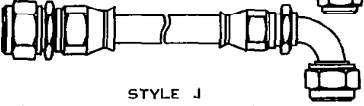
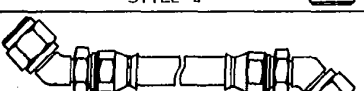
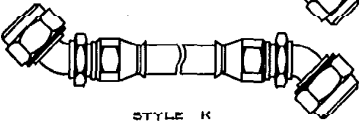
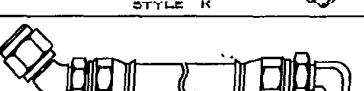
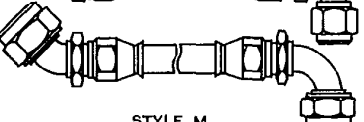


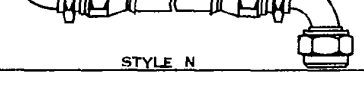
DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

Project No. 4720-0531

This military standard is approved for use by all Departments and Agencies of the Department of Defense for new engineering and design applications and for repetitive use shall be made from this document, when applicable.

User: Army - AS, ML
Navy - AS
Activities: Air Force -
DLA -

Revised: Army - GL
Navy -
Activities: Air Force -
DLA - 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					
		MS27053	MS27055						2.63	3.18	3.44	3.86	4.41
		MS27053	MS27060						2.24				
	STYLE J	MS27053	MS27057						2.46	3.05	3.35	3.78	4.34
		MS27059	MS27059						3.58				
	STYLE K	MS27055	MS27055						3.16	4.10	4.28	4.84	5.50
		MS27059	MS27060						3.10				
	STYLE M	MS27055	MS27057						2.99	3.97	4.19	4.76	5.43
		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 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 2 of 4 FSC 4720					

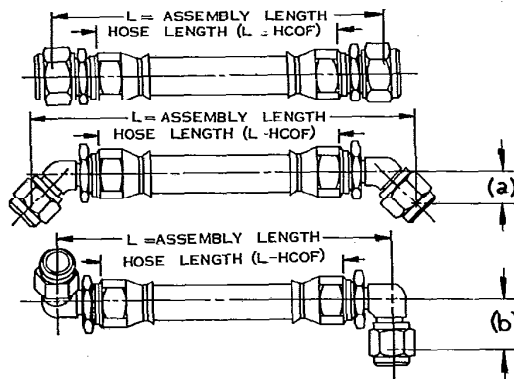
APPROVED 28 FEB 67
REVISED 16 AUG 71
15 DEC 76
30 June 1985

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

USER ACTIVITIES
Army - LR, MI
Navy - 3H
Air Force -
DLA -

REVIEWER ACTIVITIES
Army - GL
Navy -
Air Force -
DLA - CS

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.



FED. SUP CLASS
4720

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	E	.342	.600
-5	5/16	F	.360	.675
-6	3/8	G	.409	.740
-8	1/2	H	.485	.850
-10	5/8	J	.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	P	.902	2.067

EXAMPLE OF ANGULAR ALIGNMENT OF END FITTING

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 $\pm 2^\circ$.

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

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.

MS8000H12E*030

HOSE ASSEMBLY FOR 1/2 INCH TUBE O.D., 18 INCHES IN LENGTH, 30° BETWEEN ELBOWS.
— ANGLE BETWEEN ELBOWS IN DEGREES (NOT REQUIRED FOR STYLES A, B, C, G, H, AND J)
* CODE LETTER SEE BELOW
— STYLE AND MATERIAL OF FITTING ASSEMBLY (SEE SHEETS 1 AND 2)
— LENGTH IN EIGHTS (1/8) OF AN INCH
— LENGTH IN INCHES (FOR LENGTHS UNDER 18 INCHES, USE 09, 08, 07, ETC.)
— SIZE H = -8 or 1/2 INCH TUBE O.D.

MS8000J092B*

HOSE ASSEMBLY FOR 5/8 INCH TUBE O.D., 9-1/4 INCHES IN LENGTH.
* CODE LETTER SEE BELOW
— STYLE AND MATERIAL OF FITTING MATERIAL ASSEMBLY (SEE SHEETS 1 AND 2)
— LENGTH IN EIGHTS (1/8) OF AN INCH
— LENGTH IN INCHES (FOR LENGTHS UNDER 18 INCHES, USE 09, 08, ETC.)
— SIZE J = -10 or 5/8 INCH TUBE O.D.

* 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

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document when applicable.

- "A" AS1072 SLEEVE, FIRE PROTECTION, SILICONE COVERED, -65°F (-54°C) THRU +200°F (+207°C) SECURED WITH CRES BANDS AS REQUIRED.
- "B" AS1073 - CODE B 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
- "F" CODE A + L
- "G" CODE B + L
- "H" CODE C + L
- "J" CODE D + L
- "K" CODE E + L

NOTES:

1. IN COMBINATION CRES AND ALUMINUM FITTINGS, THE SOCKET, SLEEVE, AND RETAINER WIRE ARE CORROSION RESISTING STEEL. THE OTHER PARTS ARE ALUMINUM.
2. A -3/-4 ASSEMBLY CONSISTS OF -3 TUBE O.D. FITTINGS WITH -4 TUBE O.D. HOSE.
3. DIMENSIONS IN INCHES.
4. REFERENCE DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
5. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
6. FOR DETAIL DESIGN AND SIZE OF END FITTINGS, SEE CORRESPONDING DASH NUMBER ON APPLICABLE MS DRAWING.
7. FOR "IDENTIFICATION OF PRODUCT," SEE PROCUREMENT SPECIFICATION.
8. 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 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 4 of 4 FSC 4720	

DD FORM 1 MAY 73 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Project No. 4720-0531