

INCH-POUND

MS8008C
w/AMENDMENT 1
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SUPERSEDING
MS8008C
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DETAIL SPECIFICATION SHEET

HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, PERMANENTLY ATTACHED
FITTINGS, HIGH TEMPERATURE, MEDIUM PRESSURE, FLARELESS-TO-FLANGE

This specification is approved for use by all
Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-25579.

Hose assembly dimensions for style A: See table I.

TABLE I. Hose assembly dimensions for style A. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/					
1	2		A (nom)	B (max)	C (max)	F (max)	M (max)	P (max)
		8	0.310	1.640	0.880	1.014	1.560	0.875
		10	0.356	1.940	0.967	1.158	1.570	1.000
Straight	Straight	12	0.393	1.913	1.122	1.447	1.640	1.250
		16Z	0.429	2.298	1.480	1.736	1.750	1.500
		20Z	0.393	2.577	1.750	2.328	1.990	1.844
		24Z	0.398	2.800	2.150	2.621	2.260	2.125

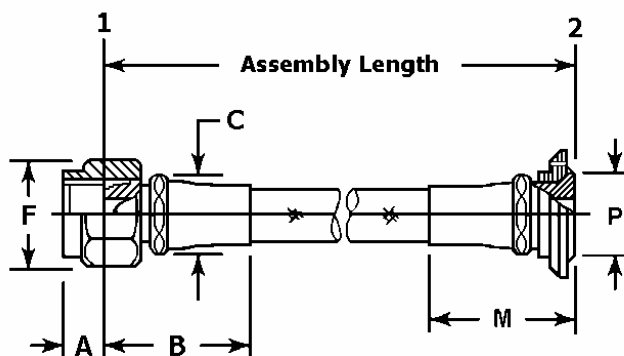
1/ Style A uses class 1 fittings which are made from corrosion resistant steel (CRES).

2/ Dimensions are shown on figure 1.

3/ Dimensions "A" and "B" are based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

FIGURE 1. Style A hose assembly.

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Hose assembly dimensions for style B: See table II.

TABLE II. Hose assembly dimensions for style B. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/								
1	2		A (nom)	B (max)	C (max)	D (max)	F (max)	N (max)	P (max)	R (min)	R (max)
		8	0.310	1.640	0.880	1.722	1.014	0.606	0.875	0.303	0.428
		10	0.356	1.940	0.967	2.037	1.158	0.658	1.000	0.340	0.465
Straight	45°	12	0.393	1.913	1.122	2.368	1.447	0.789	1.250	0.433	0.558
		16Z	0.429	2.298	1.480	2.583	1.736	0.929	1.500	0.470	0.657
		20Z	0.393	2.577	1.750	2.946	2.328	1.020	1.844	0.534	0.721
		24Z	0.398	2.800	2.150	3.210	2.621	1.186	2.125	0.589	0.839

1/ Style B uses class 1 fittings which are made from CRES.

2/ Dimensions are shown on figure 2.

3/ Dimensions "A" and "B" are based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

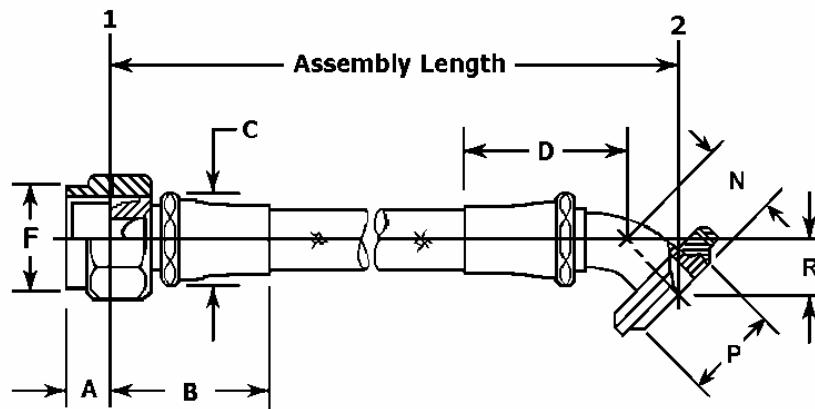


FIGURE 2. Style B hose assembly.

Hose assembly dimensions for style C: See table III.

TABLE III. Hose assembly dimensions for style C. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/								
1	2		A (nom)	B (max)	C (max)	F (max)	P (max)	S (max)	T (max)	U (min)	U (max)
		8	0.310	1.640	0.880	1.014	0.875	2.320	1.422	0.857	0.982
		10	0.356	1.940	0.967	1.158	1.000	2.875	1.499	0.861	1.015
Straight	90°	12	0.393	1.913	1.122	1.447	1.250	3.606	1.807	1.032	1.246
		16Z	0.429	2.298	1.480	1.736	1.500	3.981	2.174	1.156	1.434
		20Z	0.393	2.577	1.750	2.328	1.844	4.435	2.590	1.344	1.715
		24Z	0.398	2.800	2.150	2.621	2.125	5.075	3.103	1.516	2.028

1/ Style C uses class 1 fittings which are made from CRES.

2/ Dimensions are shown on figure 3.

3/ Dimensions "A" and "B" are based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

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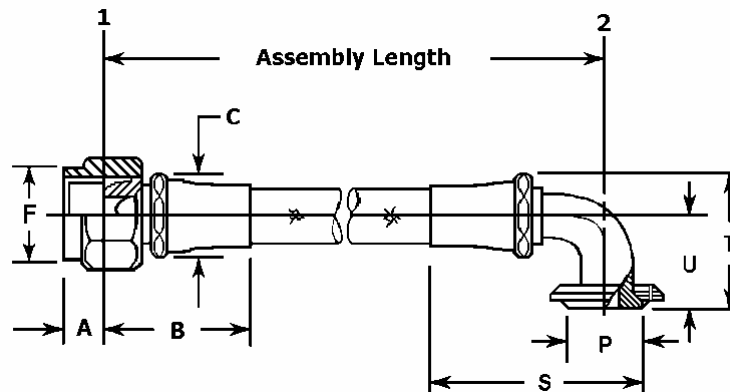


FIGURE 3. Style C hose assembly.

Hose assembly dimensions for style D: See table IV.

TABLE IV. Hose assembly dimensions for style D. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/										
1	2		A (nom)	C (max)	D (max)	E (max)	F (max)	G (min)	G (max)	N (max)	P (max)	R (min)	R (max)
		8	0.310	0.880	1.722	1.426	1.014	0.542	0.789	0.606	0.875	0.303	0.428
		10	0.356	0.967	2.037	1.596	1.158	0.631	0.877	0.658	1.000	0.340	0.465
45°	45°	12	0.393	1.122	2.368	1.739	1.447	0.631	0.952	0.789	1.250	0.433	0.558
		16Z	0.429	1.480	2.583	1.931	1.736	0.741	1.069	0.929	1.500	0.470	0.657
		20Z	0.393	1.750	2.946	2.084	2.328	0.863	1.196	1.020	1.844	0.534	0.721
		24Z	0.398	2.150	3.210	2.376	2.621	1.012	1.376	1.186	2.125	0.589	0.839

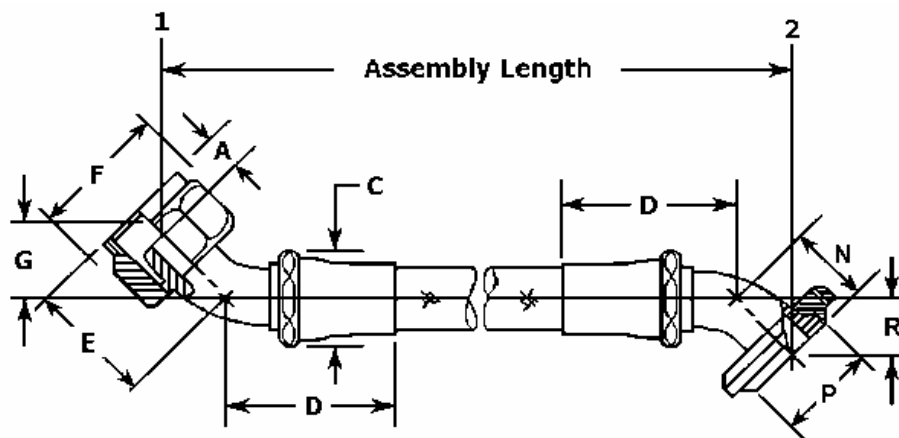
1/ Style D uses class 1 fittings which are made from CRES.

2/ Dimensions are shown on figure 4.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.



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FIGURE 4. Style D hose assembly.

Hose assembly dimensions for style E: See table V.

TABLE V. Hose assembly dimensions for style E. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/											
			A (nom)	C (max)	D (max)	E (max)	F (max)	G (min)	G (max)	P (max)	S (max)	T (max)	U (min)	U (max)
1	2													
		8	0.310	0.880	1.722	1.426	1.014	0.542	0.789	0.875	2.320	1.422	0.857	0.982
		10	0.356	0.967	2.037	1.596	1.158	0.631	0.877	1.000	2.875	1.499	0.861	1.015
45°	90°	12	0.393	1.122	2.368	1.739	1.447	0.631	0.952	1.250	3.606	1.807	1.032	1.246
		16Z	0.429	1.480	2.583	1.931	1.736	0.741	1.069	1.500	3.981	2.174	1.156	1.434
		20Z	0.393	1.750	2.946	2.084	2.328	0.863	1.196	1.844	4.435	2.590	1.344	1.715
		24Z	0.398	2.150	3.210	2.376	2.621	1.012	1.376	2.125	5.075	3.103	1.516	2.028

1/ Style E uses class 1 fittings which are made from CRES.

2/ Dimensions are shown on figure 5.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

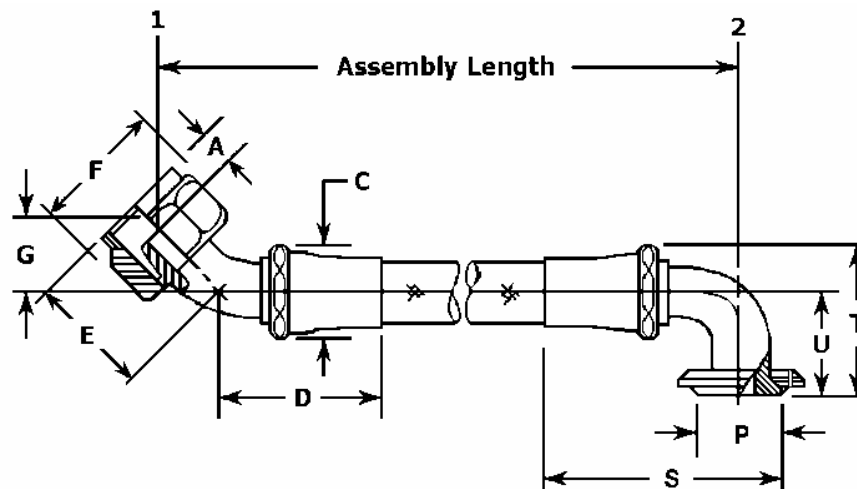


FIGURE 5. Style E hose assembly.

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Hose assembly dimensions for style F: See table VI.

TABLE VI. Hose assembly dimensions for style F. 1/

Fitting ends		Hose size	Dimensions <u>2/</u> <u>3/</u> <u>4/</u> <u>5/</u>											
1	2		A (nom)	C (max)	F (max)	H (max)	J (max)	K (min)	K (max)	P (max)	S (max)	T (max)	U (min)	U (max)
		8	0.310	0.880	1.014	2.495	2.032	1.032	1.282	0.875	2.320	1.422	0.857	0.982
		10	0.356	0.967	1.158	2.955	2.437	1.357	1.607	1.000	2.875	1.499	0.861	1.015
90°	90°	12	0.393	1.122	1.447	3.705	2.795	1.591	1.841	1.250	3.606	1.807	1.032	1.246
		16Z	0.429	1.480	1.736	4.100	3.160	1.741	1.991	1.500	3.981	2.174	1.156	1.434
		20Z	0.393	1.750	2.328	4.835	3.664	2.021	2.396	1.844	4.435	2.590	1.344	1.715
		24Z	0.398	2.150	2.621	5.480	4.251	2.403	2.778	2.125	5.075	3.103	1.516	2.028

1/ Style F uses class 1 fittings which are made from CRES.

2/ Dimensions are shown on figure 6.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

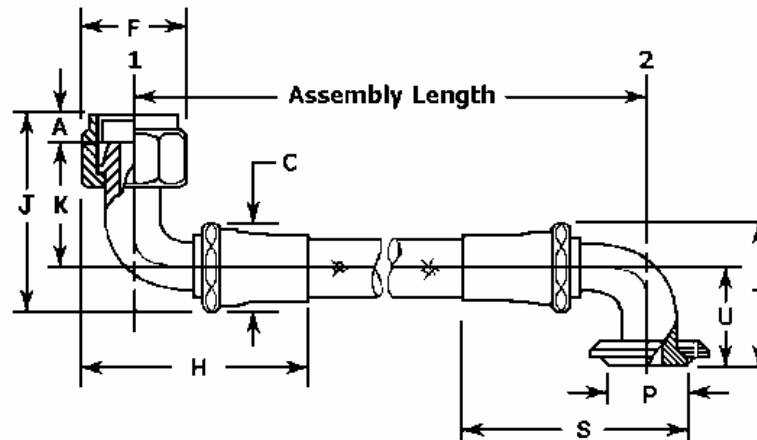


FIGURE 6. Style F hose assembly.

Hose assembly dimensions for style G: See table VII.

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TABLE VII. Hose assembly dimensions for style G. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/								
1	2		A (nom)	C (max)	D (max)	E (max)	F (max)	G (min)	G (max)	M (max)	P (max)
		8	0.310	0.880	1.722	1.426	1.014	0.542	0.789	1.560	0.875
		10	0.356	0.967	2.037	1.596	1.158	0.631	0.877	1.570	1.000
45°	Straight	12	0.393	1.122	2.368	1.739	1.447	0.631	0.952	1.640	1.250
		16Z	0.429	1.480	2.583	1.931	1.736	0.741	1.069	1.750	1.500
		20Z	0.393	1.750	2.946	2.084	2.328	0.863	1.196	1.990	1.844
		24Z	0.398	2.150	3.210	2.376	2.621	1.012	1.376	2.260	2.125

1/ Style G uses class 1 fittings which are made from CRES.

2/ Dimensions are shown on figure 7.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

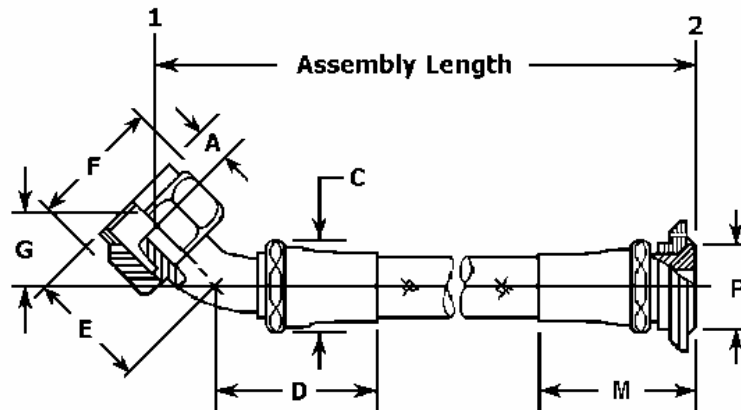


FIGURE 7. Style G hose assembly.

Hose assembly dimensions for style H: See table VIII.

TABLE VIII. Hose assembly dimensions for style H. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/								
1	2		A (nom)	C (max)	F (max)	H (max)	J (max)	K (min)	K (max)	M (max)	P (max)
		8	0.310	0.880	1.014	2.495	2.032	1.032	1.282	1.560	0.875
		10	0.356	0.967	1.158	2.955	2.437	1.357	1.607	1.570	1.000
90°	Straight	12	0.393	1.122	1.447	3.705	2.795	1.591	1.841	1.640	1.250
		16Z	0.429	1.480	1.736	4.100	3.160	1.741	1.991	1.750	1.500
		20Z	0.393	1.750	2.328	4.835	3.664	2.021	2.396	1.990	1.844
		24Z	0.398	2.150	2.621	5.480	4.251	2.403	2.778	2.260	2.125

1/ Style H uses class 1 fittings which are made from CRES.

2/ Dimensions are shown on figure 8.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

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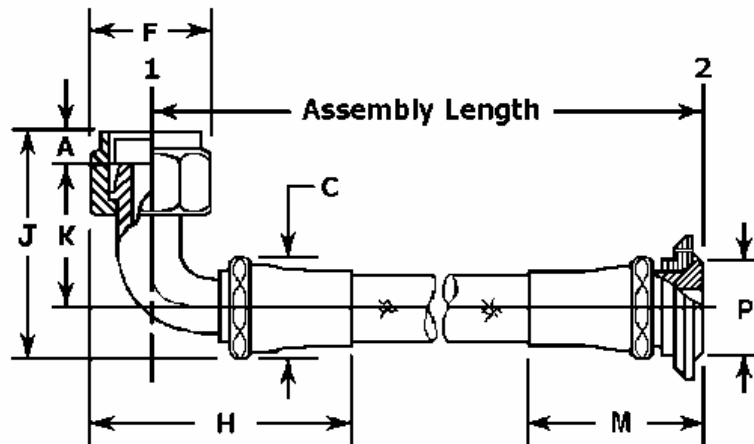


FIGURE 8. Style H hose assembly.

Hose assembly dimensions for style J: See table IX.

TABLE IX. Hose assembly dimensions for style J. 1/

Fitting ends		Hose size	Dimensions <u>2/</u> <u>3/</u> <u>4/</u> <u>5/</u>											
			A (nom)	C (max)	D (max)	F (max)	H (max)	J (max)	K (min)	K (max)	N (max)	P (max)	R (min)	R (max)
1	2	8	0.310	0.880	1.722	1.014	2.495	2.032	1.032	1.282	0.606	0.875	0.303	0.428
		10	0.356	0.967	2.037	1.158	2.955	2.437	1.357	1.607	0.658	1.000	0.340	0.465
90°	45°	12	0.393	1.122	2.368	1.447	3.705	2.795	1.591	1.841	0.789	1.250	0.433	0.558
		16Z	0.429	1.480	2.583	1.736	4.100	3.160	1.741	1.991	0.929	1.500	0.470	0.657
		20Z	0.393	1.750	2.946	2.328	4.835	3.664	2.021	2.396	1.020	1.844	0.534	0.721
		24Z	0.398	2.150	3.210	2.621	5.480	4.251	2.403	2.778	1.186	2.125	0.589	0.839

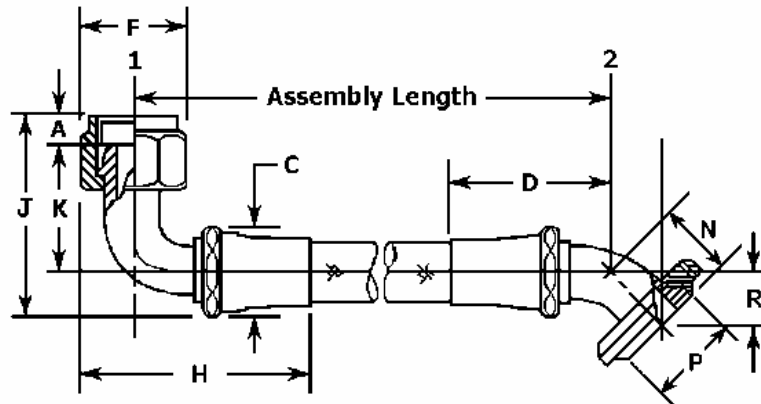
1/ Style J uses class 1 fittings which are made from CRES.

2/ Dimensions are shown on figure 9.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

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Hose assembly dimensions for style K: See table X.

TABLE X. Hose assembly dimensions for style K. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/					
1	2		A (nom)	B (max)	C (max)	F (max)	M (max)	P (max)
		8	0.310	1.640	0.880	1.014	1.560	0.875
		10	0.356	1.940	0.967	1.158	1.570	1.000
Straight	Straight	12	0.393	1.913	1.122	1.447	1.640	1.250
		16Z	0.429	2.298	1.480	1.736	1.750	1.500
		20Z	0.393	2.577	1.750	2.328	1.990	1.844
		24Z	0.398	2.800	2.150	2.621	2.260	2.125

1/ Style K uses class 2 fittings which are made from a

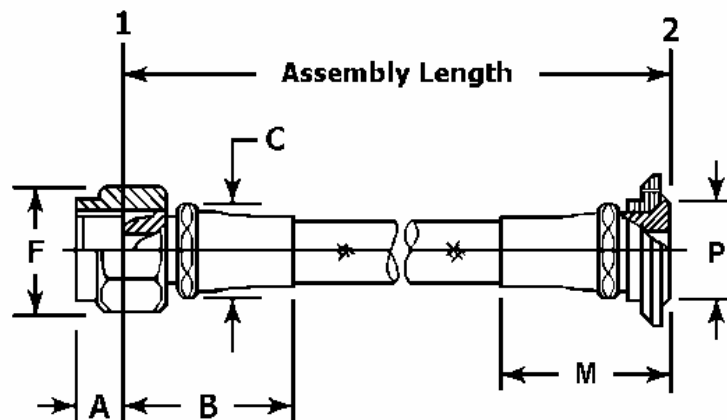
combination of aluminum and CRES.

2/ Dimensions are shown on figure 10.

3/ Dimensions "A" and "B" are based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

FIGURE 10. Style K hose assembly.

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Hose assembly dimensions for style M: See table XI.

TABLE XI. Hose assembly dimensions for style M. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/								
1	2		A (nom)	B (max)	C (max)	D (max)	F (max)	N (max)	P (max)	R (min)	R (max)
		8	0.310	1.640	0.880	1.722	1.014	0.606	0.875	0.303	0.428
		10	0.356	1.940	0.967	2.037	1.158	0.658	1.000	0.340	0.465
Straight	45°	12	0.393	1.913	1.122	2.368	1.447	0.789	1.250	0.433	0.558
		16Z	0.429	2.298	1.480	2.583	1.736	0.929	1.500	0.470	0.657
		20Z	0.393	2.577	1.750	2.946	2.328	1.020	1.844	0.534	0.721
		24Z	0.398	2.800	2.150	3.210	2.621	1.186	2.125	0.589	0.839

1/ Style M uses class 2 fittings which are made from a combination of aluminum and CRES.

2/ Dimensions are shown on figure 11.

3/ Dimensions "A" and "B" are based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

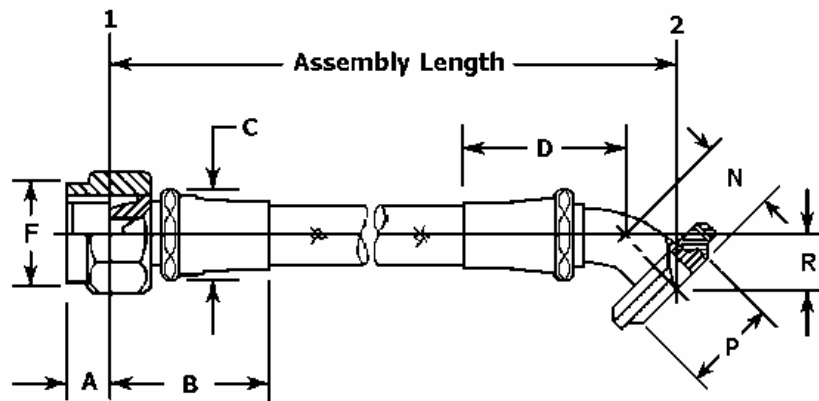


FIGURE 11. Style M hose assembly.

Hose assembly dimensions for style N: See table XII.

TABLE XII. Hose assembly dimensions for style N. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/								
1	2		A (nom)	B (max)	C (max)	F (max)	P (max)	S (max)	T (max)	U (min)	U (max)
		8	0.310	1.640	0.880	1.014	0.875	2.320	1.422	0.857	0.982
		10	0.356	1.940	0.967	1.158	1.000	2.875	1.499	0.861	1.015
Straight	90°	12	0.393	1.913	1.122	1.447	1.250	3.606	1.807	1.032	1.246
		16Z	0.429	2.298	1.480	1.736	1.500	3.981	2.174	1.156	1.434
		20Z	0.393	2.577	1.750	2.328	1.844	4.435	2.590	1.344	1.715
		24Z	0.398	2.800	2.150	2.621	2.125	5.075	3.103	1.516	2.028

1/ Style N uses class 2 fittings which are made from a combination of aluminum and CRES.

2/ Dimensions are shown on figure 12.

3/ Dimensions "A" and "B" are based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

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5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

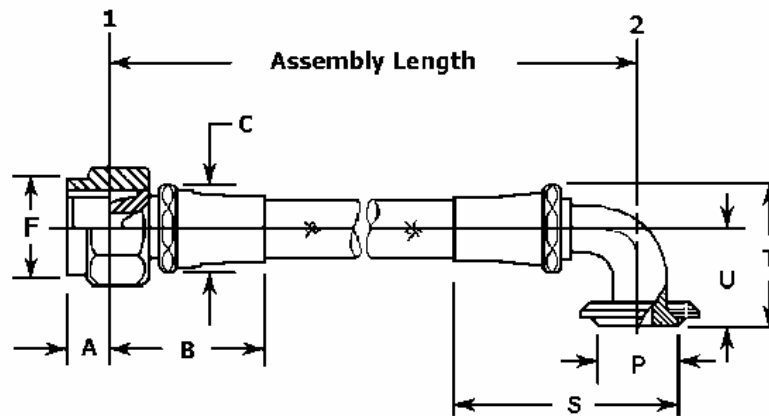


FIGURE 12. Style N hose assembly.

Hose assembly dimensions for style P: See table XIII.

TABLE XIII. Hose assembly dimensions for style P. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/										
			A (nom)	C (max)	D (max)	E (max)	F (max)	G (min)	G (max)	N (max)	P (max)	R (min)	R (max)
1	2	8	0.310	0.880	1.722	1.426	1.014	0.542	0.789	0.606	0.875	0.303	0.428
		10	0.356	0.967	2.037	1.596	1.158	0.631	0.877	0.658	1.000	0.340	0.465
45°	45°	12	0.393	1.122	2.368	1.739	1.447	0.631	0.952	0.789	1.250	0.433	0.558
		16Z	0.429	1.480	2.583	1.931	1.736	0.741	1.069	0.929	1.500	0.470	0.657
		20Z	0.393	1.750	2.946	2.084	2.328	0.863	1.196	1.020	1.844	0.534	0.721
		24Z	0.398	2.150	3.210	2.376	2.621	1.012	1.376	1.186	2.125	0.589	0.839

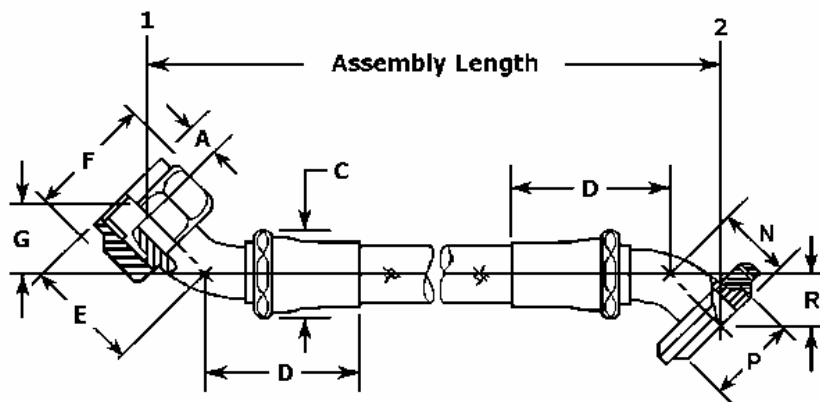
1/ Style P uses class 2 fittings which are made from a combination of aluminum and CRES.

2/ Dimensions are shown on figure 13.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.



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FIGURE 13. Style P hose assembly.

Hose assembly dimensions for style R: See table XIV.

TABLE XIV. Hose assembly dimensions for style R. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/											
			A (nom)	C (max)	F (max)	H (max)	J (max)	K (min)	K (max)	P (max)	S (max)	T (max)	U (min)	U (max)
		8	0.310	0.880	1.014	2.495	2.032	1.032	1.282	0.875	2.320	1.422	0.857	0.982
		10	0.356	0.967	1.158	2.955	2.437	1.357	1.607	1.000	2.875	1.499	0.861	1.015
90°	90°	12	0.393	1.122	1.447	3.705	2.795	1.591	1.841	1.250	3.606	1.807	1.032	1.246
		16Z	0.429	1.480	1.736	4.100	3.160	1.741	1.991	1.500	3.981	2.174	1.156	1.434
		20Z	0.393	1.750	2.328	4.835	3.664	2.021	2.396	1.844	4.435	2.590	1.344	1.715
		24Z	0.398	2.150	2.621	5.480	4.251	2.403	2.778	2.125	5.075	3.103	1.516	2.028

1/ Style S uses class 2 fittings which are made from a combination of aluminum and CRES.

2/ Dimensions are shown on figure 14.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

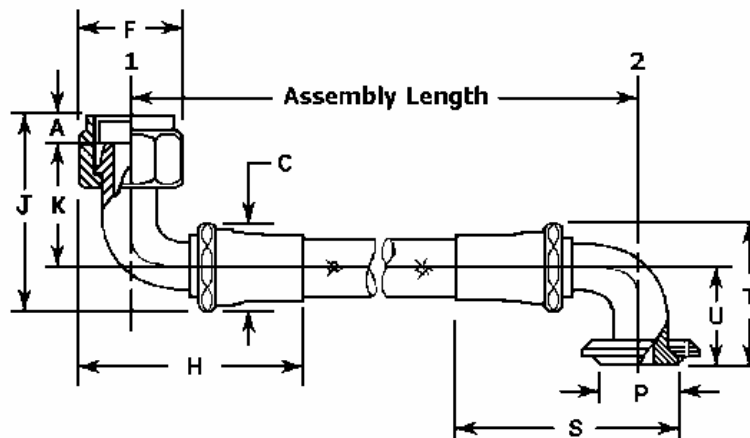


FIGURE 14. Style R hose assembly.

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Hose assembly dimensions for style S: See table XV.

TABLE XV. Hose assembly dimensions for style S. 1/

Fitting ends		Hose size	Dimensions <u>2/ 3/ 4/ 5/</u>											
			A (nom)	C (max)	D (max)	E (max)	F (max)	G (min)	G (max)	P (max)	S (max)	T (max)	U (min)	U (max)
1	2													
		8	0.310	0.880	1.722	1.426	1.014	0.542	0.789	0.875	2.320	1.422	0.857	0.982
		10	0.356	0.967	2.037	1.596	1.158	0.631	0.877	1.000	2.875	1.499	0.861	1.015
45°	90°	12	0.393	1.122	2.368	1.739	1.447	0.631	0.952	1.250	3.606	1.807	1.032	1.246
		16Z	0.429	1.480	2.583	1.931	1.736	0.741	1.069	1.500	3.981	2.174	1.156	1.434
		20Z	0.393	1.750	2.946	2.084	2.328	0.863	1.196	1.844	4.435	2.590	1.344	1.715
		24Z	0.398	2.150	3.210	2.376	2.621	1.012	1.376	2.125	5.075	3.103	1.516	2.028

1/ Style R uses class 2 fittings which are made from a combination of aluminum and CRES.

2/ Dimensions are shown on figure 15.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

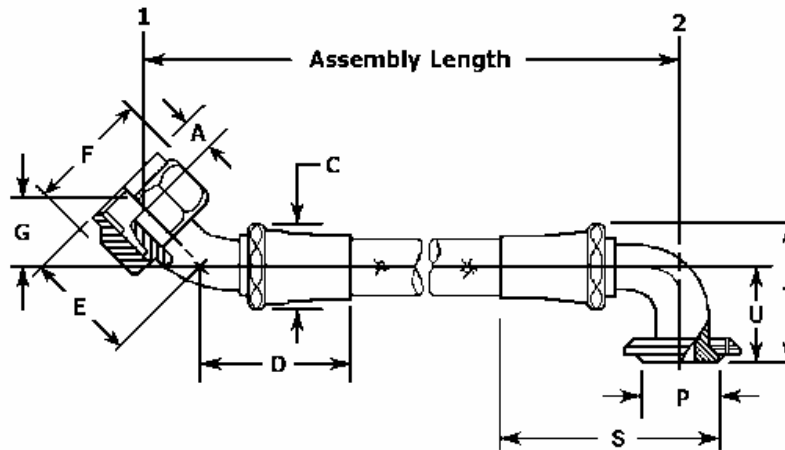


FIGURE 15. Style S hose assembly

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Hose assembly dimensions for style T: See table XVI.

TABLE XVI. Hose assembly dimensions for style T. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/								
1	2		A (nom)	C (max)	D (max)	E (max)	F (max)	G (min)	G (max)	M (max)	P (max)
		8	0.310	0.880	1.722	1.426	1.014	0.542	0.789	1.560	0.875
		10	0.356	0.967	2.037	1.596	1.158	0.631	0.877	1.570	1.000
45°	Straight	12	0.393	1.122	2.368	1.739	1.447	0.631	0.952	1.640	1.250
		16Z	0.429	1.480	2.583	1.931	1.736	0.741	1.069	1.750	1.500
		20Z	0.393	1.750	2.946	2.084	2.328	0.863	1.196	1.990	1.844
		24Z	0.398	2.150	3.210	2.376	2.621	1.012	1.376	2.260	2.125

1/ Style T uses class 2 fittings which are made from a combination of aluminum and CRES.

2/ Dimensions are shown on figure 16.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

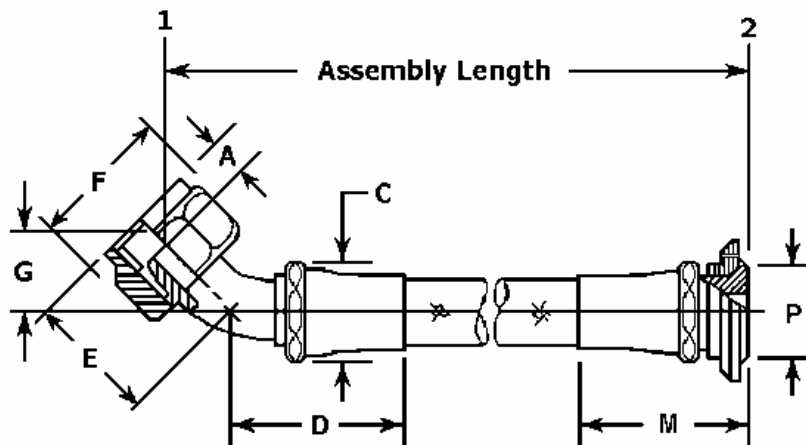


FIGURE 16. Style T hose assembly.

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Hose assembly dimensions for style U: See table XVII.

TABLE XVII. Hose assembly dimensions for style U. 1/

Fitting ends		Hose size	Dimensions 2/ 3/ 4/ 5/								
1	2		A (nom)	C (max)	F (max)	H (max)	J (max)	K (min)	K (max)	M (max)	P (max)
		8	0.310	0.880	1.014	2.495	2.032	1.032	1.282	1.560	0.875
		10	0.356	0.967	1.158	2.955	2.437	1.357	1.607	1.570	1.000
90°	Straight	12	0.393	1.122	1.447	3.705	2.795	1.591	1.841	1.640	1.250
		16Z	0.429	1.480	1.736	4.100	3.160	1.741	1.991	1.750	1.500
		20Z	0.393	1.750	2.328	4.835	3.664	2.021	2.396	1.990	1.844
		24Z	0.398	2.150	2.621	5.480	4.251	2.403	2.778	2.260	2.125

1/ Style U uses class 2 fittings which are made from a combination of aluminum and CRES.

2/ Dimensions are shown on figure 17.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

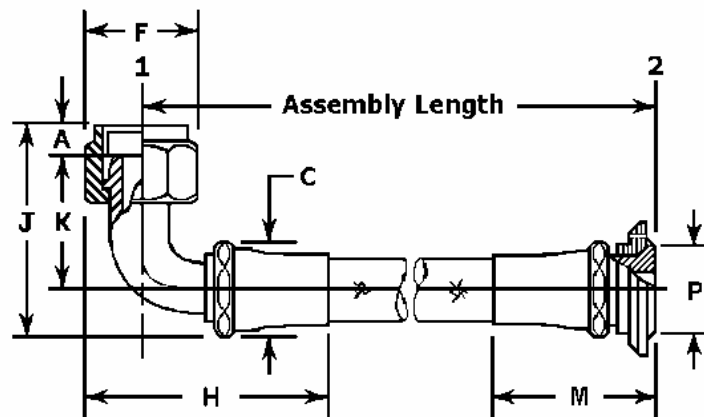


FIGURE 17. Style U hose assembly.

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Hose assembly dimensions for style V: See table XVIII.

TABLE XVIII. Hose assembly dimensions for style V. 1/

Fitting ends		Hose size	Dimensions <u>2/</u> <u>3/</u> <u>4/</u> <u>5/</u>											
			A (nom)	C (max)	D (max)	F (max)	H (max)	J (max)	K (min)	K (max)	N (max)	P (max)	R (min)	R (max)
		8	0.310	0.880	1.722	1.014	2.495	2.032	1.032	1.282	0.606	0.875	0.303	0.428
		10	0.356	0.967	2.037	1.158	2.955	2.437	1.357	1.607	0.658	1.000	0.340	0.465
90°	45°	12	0.393	1.122	2.368	1.447	3.705	2.795	1.591	1.841	0.789	1.250	0.433	0.558
		16Z	0.429	1.480	2.583	1.736	4.100	3.160	1.741	1.991	0.929	1.500	0.470	0.657
		20Z	0.393	1.750	2.946	2.328	4.835	3.664	2.021	2.396	1.020	1.844	0.534	0.721
		24Z	0.398	2.150	3.210	2.621	5.480	4.251	2.403	2.778	1.186	2.125	0.589	0.839

1/ Style V uses class 2 fittings which are made from a combination of aluminum and CRES.

2/ Dimensions are shown on figure 18.

3/ Dimensions "A" is based on end of MS8000 series seal.

4/ Assembly length (see PIN) is based on end of MS8000 series seal to face of flange.

5/ Apply NAS 1760 in accordance with MIL-DTL-25579/1, see requirements.

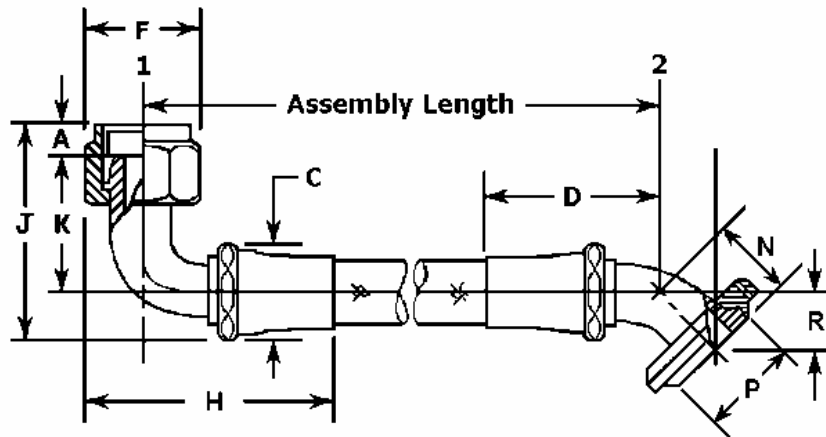


FIGURE 18. Style V hose assembly.

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Protective sleeve code: See table XIX.

TABLE XIX. Protective sleeve code.

Code	Type
A	SAE AS1072 sleeve, fire protection, silicone covered, temperature ranging from -65°F to 450°F, and intermittently to 500°F; secured with CRES bands as required. ^{1/}
B	SAE AS1073 - code B sleeve, abrasion protection, heat shrinkable, black polyolefin, temperature ranging from -65°F to 250°F.
C	SAE AS1291 - code A sleeve, chafe guard, extruded seamless white PTFE, temperature ranging from -65°F to 450°F, secured with CRES bands as required.
D	SAE AS1291 - code C sleeve, chafe guard, extruded seamless transparent FEP, temperature ranging from -65°F to 350°F, secured with CRES bands as required.
E	SAE AS1298 sleeve, heavy wall chafe guard, extruded seamless black PTFE, temperature ranging from -65°F to 450°F, secured with CRES bands as required.
L	Lock-wire hole
F	Code A + L
G	Code B + L
H	Code C + L
J	Code D + L
K	Code E + L

^{1/} To prevent wicking of fluids, the cut ends of the fire protective sleeve (code A) shall be coated with Room Temperature Vulcanized (RTV) silicone rubber prior to installation. After installation, cracks and voids in the fire protective sleeve shall be coated with RTV rubber to prevent exposure of asbestos or fiberglass.

REQUIREMENTS

Dimensions: Unless otherwise specified, all dimensions are in inches. Dimensions “N (max)” and “T (max)” are installation dimensions and not design dimensions. Dimension “F” is measured across the corners.

Fittings: The swivel nut and nipple ends shall mate with SAE AS33514 fitting. The swivel nut threads shall be in accordance with SAE AS8879. The swivel flange shall conform to MS20756.

Assembly classification: Class 1 and class 2 hose assemblies, as specified in MIL-DTL-25579, have been incorporated into the Part or Identifying Number (PIN) as a part of styles.

Angular alignment: Hose assemblies with elbow fittings on each end shall have the angular orientation between the elbows measured counter-clockwise from the centerline of the nearest fitting, positioned at six-o'clock, to the centerline of the other fitting (see figure 19). When applicable, the angular alignment shall be expressed in three digits and specified in the PIN.

Protective sleeve: If required, the hose assembly shall include a protective sleeve (see table XIX) and its code shall be included in the PIN. Fire protective sleeve shall be subjected to testing in accordance with MIL-DTL-25579.

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Assembly length: Hose assembly shall be furnished in lengths as specified in the contract or purchase order (see MIL-DTL-25579); however, tolerances on the length of each hose assembly shall be as follows:

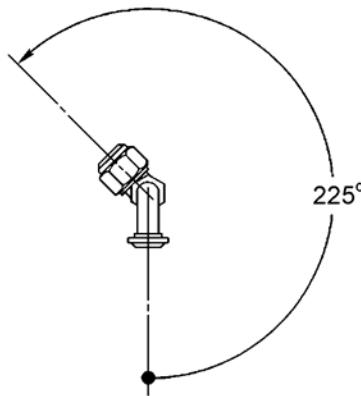
- a. $\pm 1/8$ inch for lengths under 18 inches.
- b. $\pm 1/4$ inch for lengths from 18 inches to 36 inches.
- c. $\pm 1/2$ inch for lengths from 36 inches to 50 inches.
- d. $\pm 1\%$ for lengths over 50 inches.

Flareless fitting, hose connector design: Use MIL-DTL-25579/1 for application of NAS 1760 design or MS8000 series seal design.

Hose assembly size code: See table XX.

TABLE XX. Hose assembly size code.

Size	Reference tube OD	Size code
8	0.500	H
10	0.625	J
12	0.750	K
16Z	1.000	M
20Z	1.250	N
24Z	1.500	P



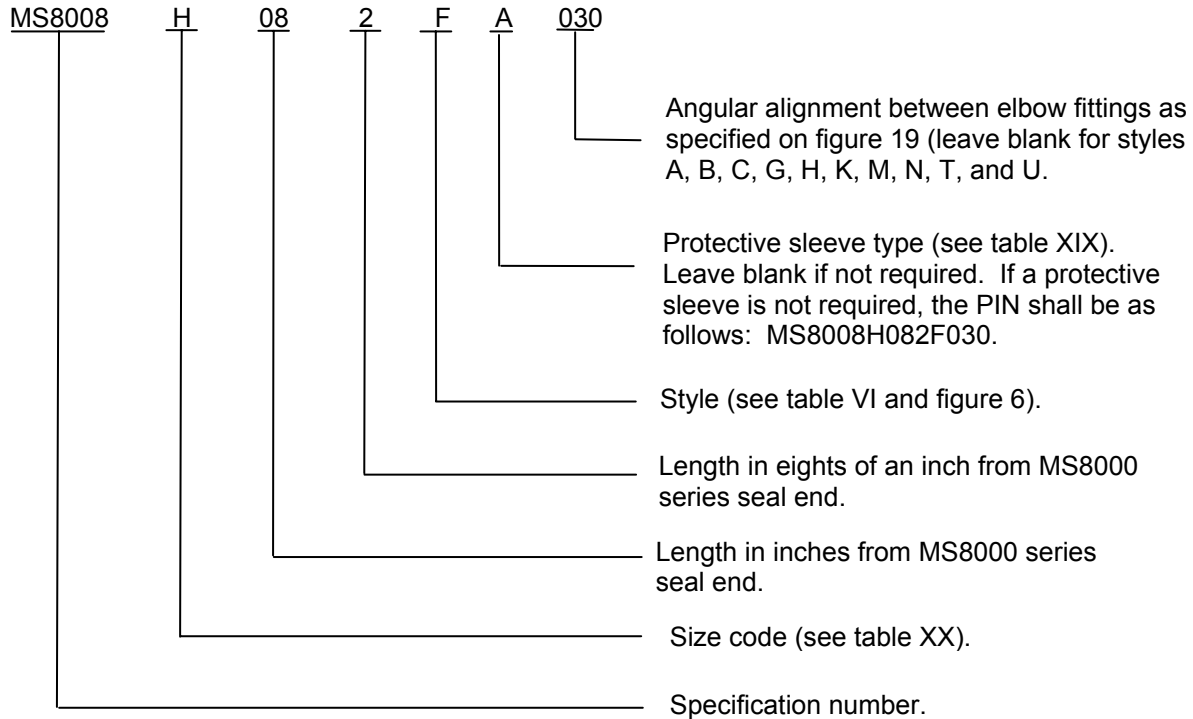
NOTE: Angular alignment shall be measured in degrees with a tolerance of $\pm 2^\circ$.

FIGURE 19. Measurement of angular alignment between elbow fittings.

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PIN: The PIN for each hose assembly shall include its size code, length, style, protective sleeve type, and the angular alignment between the elbow fittings, as applicable.

Example: The PIN for an 8.250 inch (209.mm) length, style F hose assembly with a .500 inch (12.70 mm) tube OD, a fire protective sleeve in accordance with SAE AS1072, and a 30° between the elbow fittings shall be as follows:



Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

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Referenced documents. In addition to MIL-DTL-25579, this document references the following:

SAE AS8879
SAE AS33514
SAE AS1072
SAE AS1073
SAE AS1291
SAE AS1298
NAS1760
MIL-DTL-25579/1
MS8000
MS20756

CONCLUDING MATERIAL

Custodians:

Army - AV
Navy - AS
Air Force - 99
DLA - CC

Preparing activity:
DLA - CC

(Project 4720-0435-000)

Review activities:

Army - AR, AT, EA, MI
Navy - MC, SA, SH
Air Force - 70

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil>.