

RATIONALE

REACH DIMENSIONS C1 AND F1 WERE REVISED FROM "MIN" TO "MAX" BECAUSE THIS IS MAXIMUM LENGTH OF THE FITTING. A TOLERANCE WAS ADDED TO THE LEADWIRE LENGTH.

REV.
B

AS5423

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user." SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

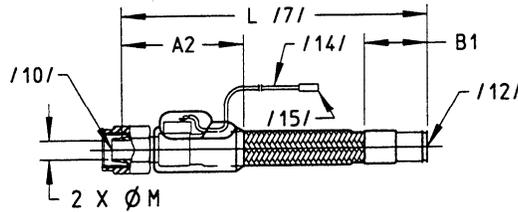


FIGURE 1 - STYLE A1

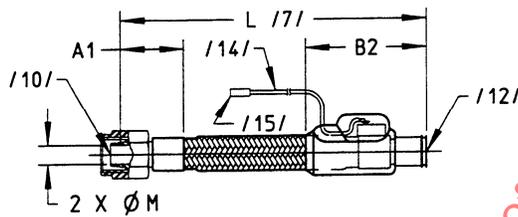


FIGURE 2 - STYLE A2

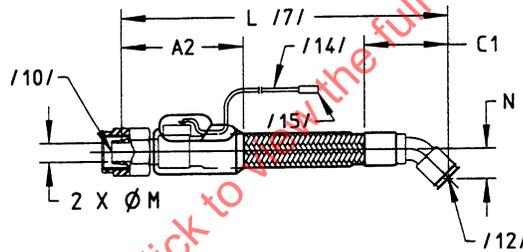


FIGURE 3 - STYLE B1

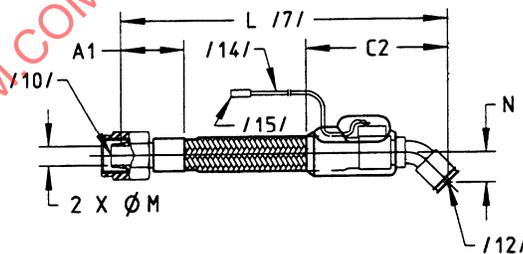
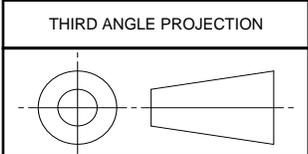


FIGURE 4 - STYLE B2

SAENORM.COM : Click to view the full PDF of as5423b

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5423B>



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS5420 /2/



AEROSPACE STANDARD

HOSE ASSEMBLY, LINED SILICONE, HEATED, FLARELESS TO FIXED CAVITY, 125 PSI, POTABLE WATER

AS5423
SHEET 1 OF 13

REV.
B

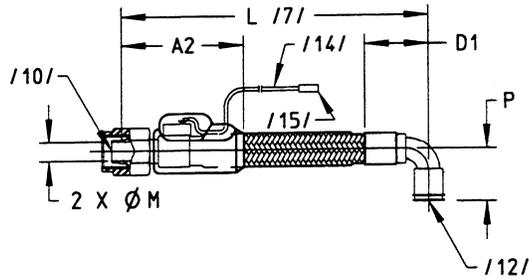


FIGURE 5 - STYLE C1

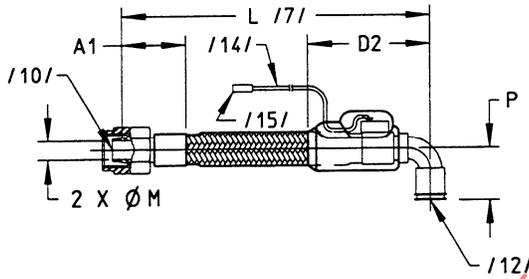


FIGURE 6 - STYLE C2

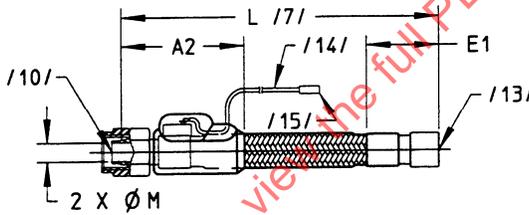


FIGURE 7 - STYLE D1

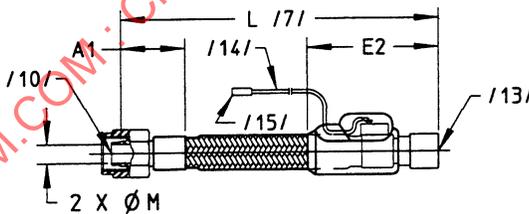


FIGURE 8 - STYLE D2

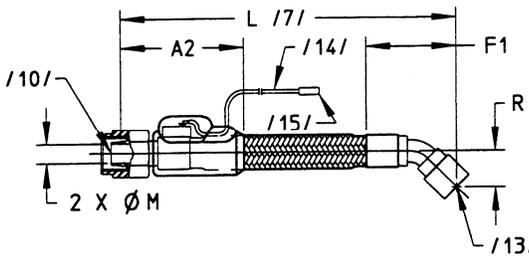


FIGURE 9 - STYLE E1

SAENORM.COM - Click to view the full PDF of as5423b

	AEROSPACE STANDARD HOSE ASSEMBLY, LINED SILICONE, HEATED, FLARELESS TO FIXED CAVITY, 125 PSI, POTABLE WATER	AS5423 SHEET 2 OF 13	REV. B

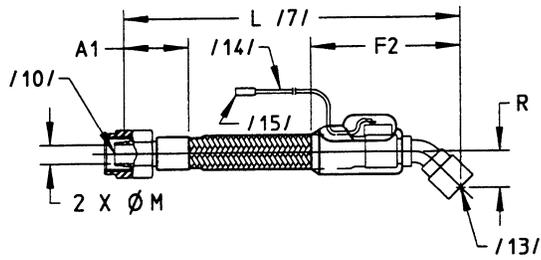


FIGURE 10 - STYLE E2

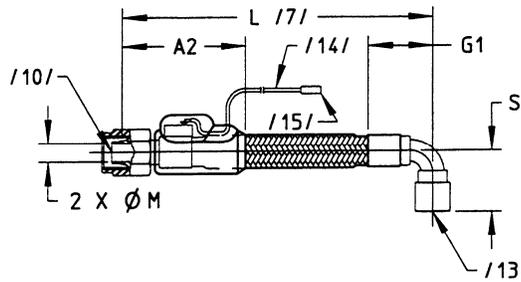


FIGURE 11 - STYLE F1

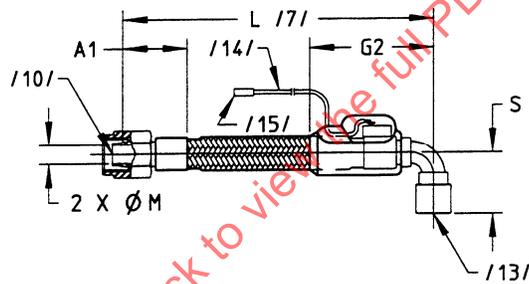


FIGURE 12 - STYLE F2

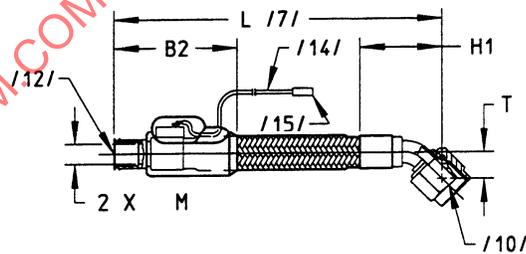


FIGURE 13 - STYLE G1

SAENORM.COM : Click to view the full PDF of as5423b



AEROSPACE STANDARD
 HOSE ASSEMBLY, LINED SILICONE,
 HEATED, FLARELESS TO FIXED CAVITY,
 125 PSI, POTABLE WATER

AS5423
 SHEET 3 OF 13

REV.
B

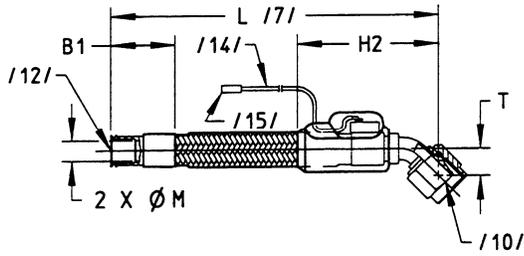


FIGURE 14 - STYLE G2

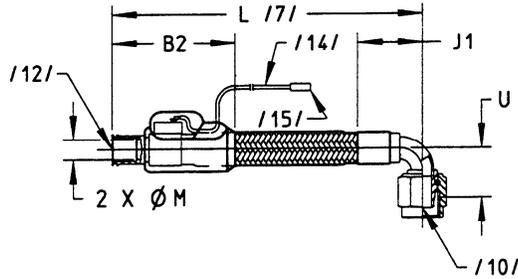


FIGURE 15 - STYLE H1

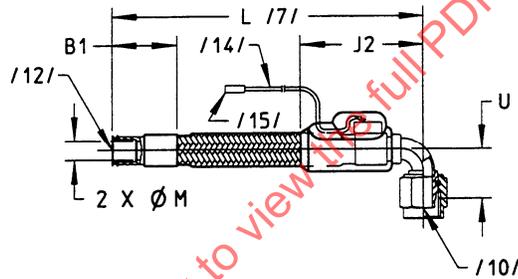


FIGURE 16 - STYLE H2

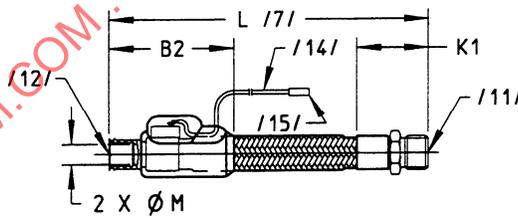


FIGURE 17 - STYLE J1

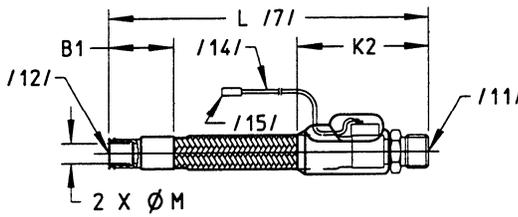


FIGURE 18 - STYLE J2

SAENORM.COM: Click to view the full PDF of as5423b



AEROSPACE STANDARD
 HOSE ASSEMBLY, LINED SILICONE,
 HEATED, FLARELESS TO FIXED CAVITY,
 125 PSI, POTABLE WATER

AS5423
 SHEET 4 OF 13

REV.
B

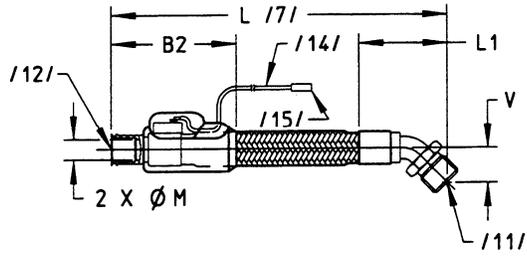


FIGURE 19 - STYLE K1

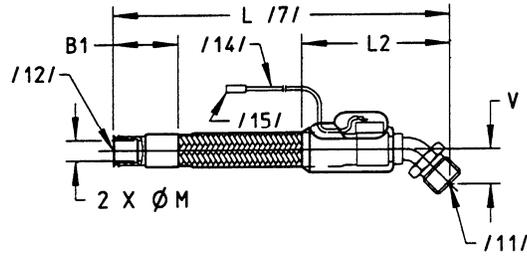


FIGURE 20 - STYLE K2

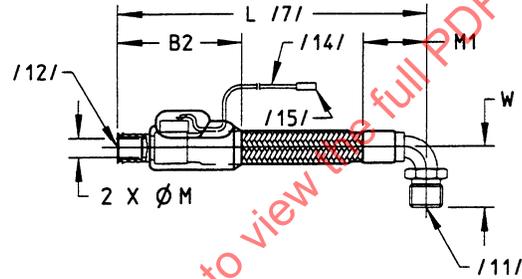


FIGURE 21 - STYLE L1

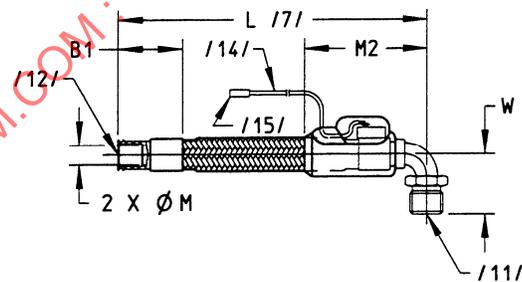


FIGURE 22 - STYLE L2

SAENORM.COM: Click to view the full PDF of as5423b



AEROSPACE STANDARD
 HOSE ASSEMBLY, LINED SILICONE,
 HEATED, FLARELESS TO FIXED CAVITY,
 125 PSI, POTABLE WATER

AS5423
 SHEET 5 OF 13

REV.
B

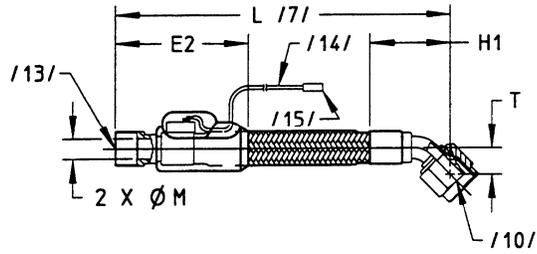


FIGURE 23 - STYLE M1

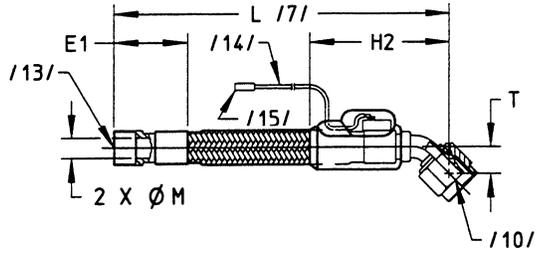


FIGURE 24 - STYLE M2

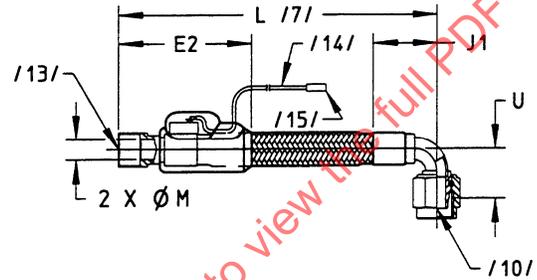


FIGURE 25 - STYLE N1

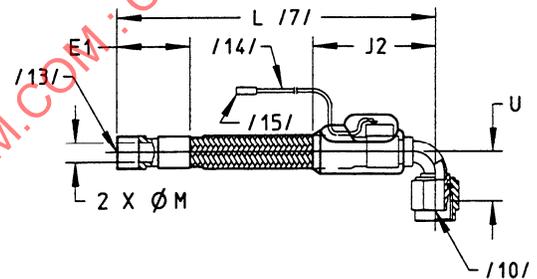


FIGURE 26 - STYLE N2

SAENORM.COM: Click to view the full PDF of as5423b

	AEROSPACE STANDARD	AS5423 SHEET 6 OF 13	REV. B
	HOSE ASSEMBLY, LINED SILICONE, HEATED, FLARELESS TO FIXED CAVITY, 125 PSI, POTABLE WATER		

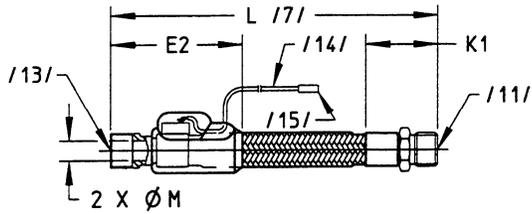


FIGURE 27 - STYLE P1

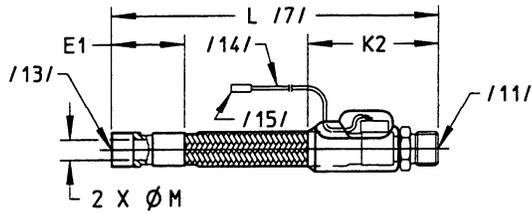


FIGURE 28 - STYLE P2

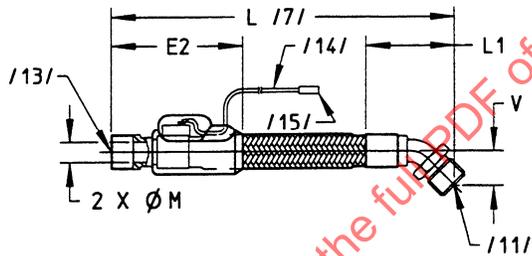


FIGURE 29 - STYLE R1

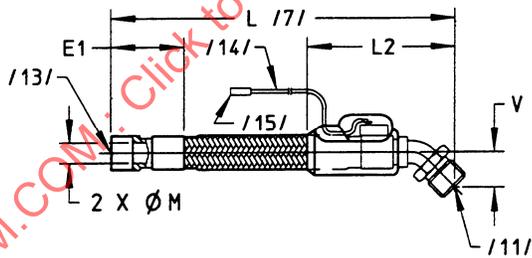


FIGURE 30 - STYLE R2

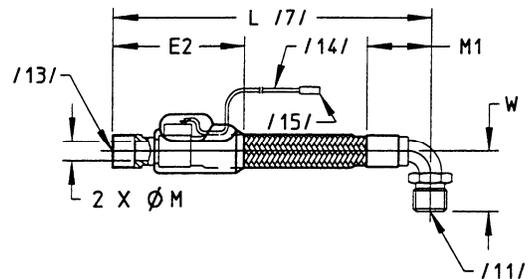


FIGURE 31 - STYLE S1

SAENORM.COM. Click to view the full PDF of as5423b



AEROSPACE STANDARD
 HOSE ASSEMBLY, LINED SILICONE,
 HEATED, FLARELESS TO FIXED CAVITY,
 125 PSI, POTABLE WATER

AS5423
 SHEET 7 OF 13

REV. B

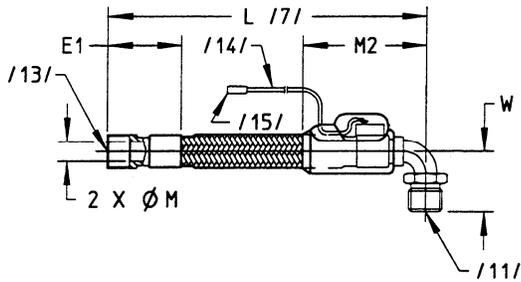


FIGURE 32 - STYLE S2

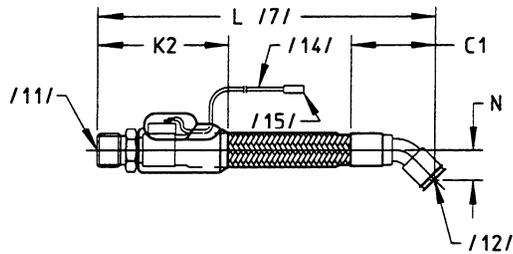


FIGURE 33 - STYLE T1

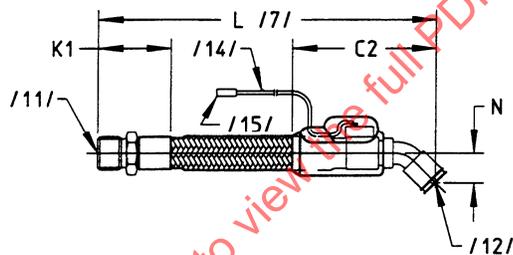


FIGURE 34 - STYLE T2

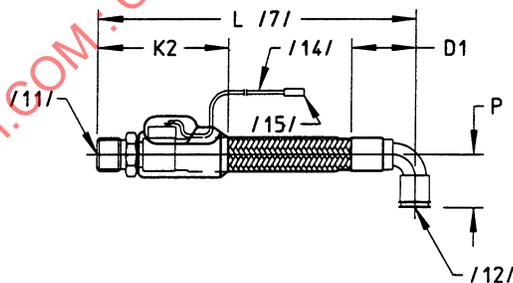


FIGURE 35 - STYLE U1

SAENORM.COM . Click to view the full PDF of as5423b



AEROSPACE STANDARD
 HOSE ASSEMBLY, LINED SILICONE,
 HEATED, FLARELESS TO FIXED CAVITY,
 125 PSI, POTABLE WATER

AS5423
 SHEET 8 OF 13

REV.
B

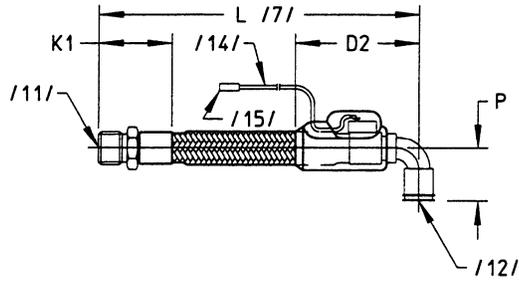


FIGURE 36 - STYLE U2

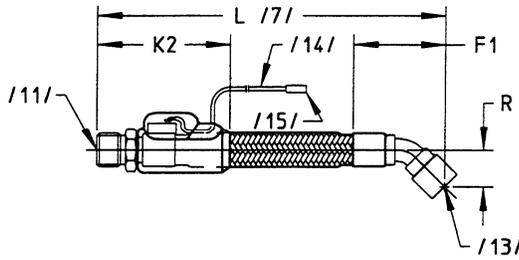


FIGURE 37 - STYLE V1

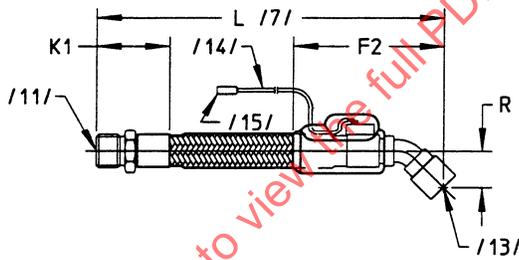


FIGURE 38 - STYLE V2

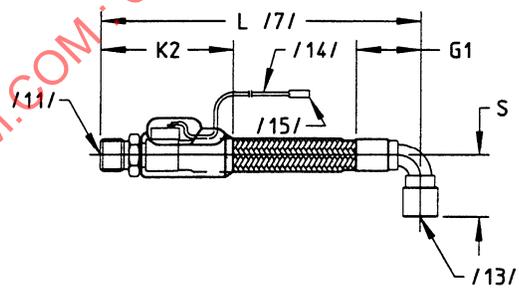


FIGURE 39 - STYLE W1

SAENORM.COM. Click to view the full PDF of as5423b



AEROSPACE STANDARD
 HOSE ASSEMBLY, LINED SILICONE,
 HEATED, FLARELESS TO FIXED CAVITY,
 125 PSI, POTABLE WATER

AS5423
 SHEET 9 OF 13

REV.
B

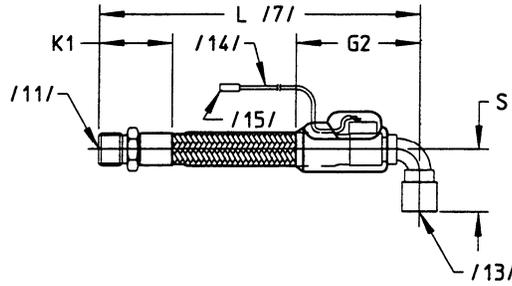


FIGURE 40 - STYLE W2

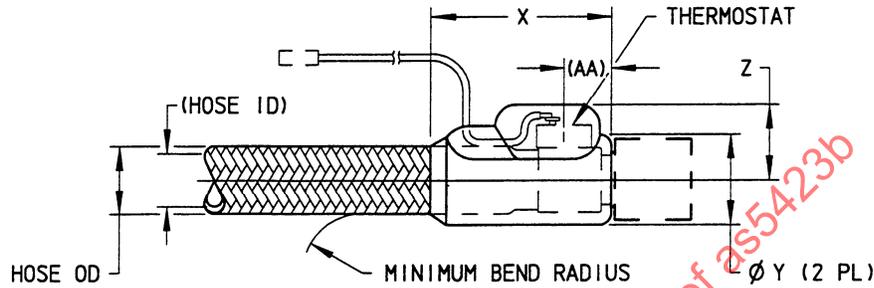


FIGURE 41 - HOSE AND THERMOSTAT DATA

TABLE 1A - FITTING DIMENSIONS A1-H2

HOSE ASSY SIZE	LETTER SIZE CODE	A1 MAX	A2 MAX	B1 MAX	B2 MAX	C1 MAX	C2 MAX	D1 MAX	D2 MAX	E1 MAX	E2 MAX	F1 MAX	F2 MAX	G1 MAX	G2 MAX	H1 MAX	H2 MAX
-08	H	1.28	2.46	1.32	2.52	1.73	2.92	1.39	2.58	1.58	2.80	1.81	3.00	1.39	2.58	1.63	2.83
-10	J	1.37	2.56	1.32	2.52	1.85	3.04	1.57	2.76	1.58	2.80	1.93	3.12	1.57	2.76	1.82	3.01
-12	K	1.53	2.71	1.53	2.72	2.36	3.54	2.05	3.23	1.82	3.03	2.45	3.64	2.05	3.23	2.19	3.37
-16	M	1.57	2.75	1.58	2.76	2.48	3.66	2.17	3.35	1.90	3.11	2.60	3.78	2.17	3.35	2.41	3.59

TABLE 1B - FITTING DIMENSIONS J1-W

HOSE ASSY SIZE	LETTER SIZE CODE	J1 MAX	J2 MAX	K1 MAX	K2 MAX	L1 MAX	L2 MAX	M1 MAX	M2 MAX	ØM THRU REF	N ±.030	ØP ±.030	R ±.030	S ±.030	T ±.030	U ±.030	V ±.030	W ±.030
-08	H	1.39	2.58	1.52	2.69	1.82	3.11	1.39	2.58	.430	.622	1.153	.702	1.266	.526	1.018	.702	1.267
-10	J	1.58	2.76	1.61	2.77	2.02	3.36	1.57	2.76	.555	.648	1.284	.728	1.397	.622	1.246	.818	1.524
-12	K	2.05	3.23	1.87	3.02	2.54	3.87	2.05	3.23	.660	.815	1.647	.910	1.782	.646	1.409	.994	1.900
-16	M	2.18	3.35	1.91	3.06	2.63	3.96	2.17	3.35	.915	.882	1.817	1.002	1.986	.817	1.724	1.030	2.025

TABLE 2A - FITTING DEDUCT LENGTHS AND NOMINAL WEIGHTS (REF) FIGURES 1-16 /8/

HOSE ASSY SIZE	FIGURE 1 & 2 DED LG	FIGURE 1 & 2 FTG WT	FIGURE 3 & 4 DED LG	FIGURE 3 & 4 FTG WT	FIGURE 5 & 6 DED LG	FIGURE 5 & 6 FTG WT	FIGURE 7 & 8 DED LG	FIGURE 7 & 8 FTG WT	FIGURE 9 & 10 DED LG	FIGURE 9 & 10 FTG WT	FIGURE 11 & 12 DED LG	FIGURE 11 & 12 FTG WT	FIGURE 13 & 14 DED LG	FIGURE 13 & 14 FTG WT	FIGURE 15 & 16 DED LG	FIGURE 15 & 16 FTG WT
-08	1.45	.269	1.86	.284	1.52	.289	1.71	.286	1.94	.297	1.52	.302	1.81	.277	1.57	.282
-10	1.55	.321	2.07	.346	1.80	.354	1.81	.341	2.15	.360	1.80	.368	2.00	.339	1.75	.348
-12	1.59	.488	2.42	.526	2.10	.539	1.88	.515	2.51	.544	2.10	.558	2.26	.504	2.11	.518
-16	1.68	.625	2.58	.676	2.27	.696	2.00	.653	2.69	.695	2.27	.715	2.53	.668	2.29	.688



AEROSPACE STANDARD
 HOSE ASSEMBLY, LINED SILICONE,
 HEATED, FLARELESS TO FIXED CAVITY,
 125 PSI, POTABLE WATER

AS5423
 SHEET 10 OF 13

REV. B