

REV.
A

SAE AS5421

FEDERAL SUPPLY CLASS
4720

RATIONALE

AS5421A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

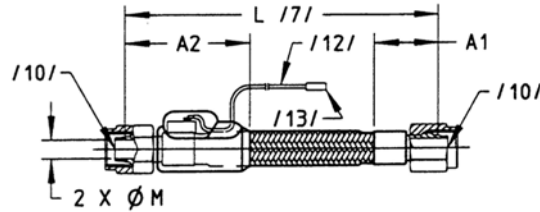


FIGURE 1 - STYLE A1

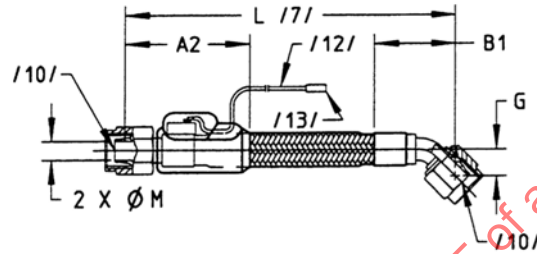


FIGURE 2 - STYLE B1

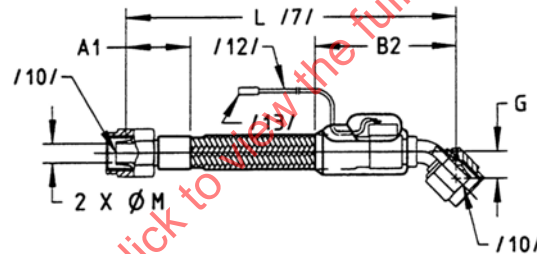


FIGURE 3 - STYLE B2

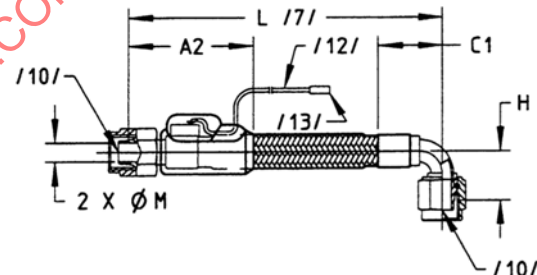
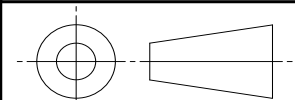


FIGURE 4 - STYLE C1

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5421A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS5420 /2/

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

HOSE ASSEMBLY, LINED SILICONE,
HEATED, FLARELESS,
125 PSI, POTABLE WATER

SAE AS5421
SHEET 1 OF 8

REV.
A

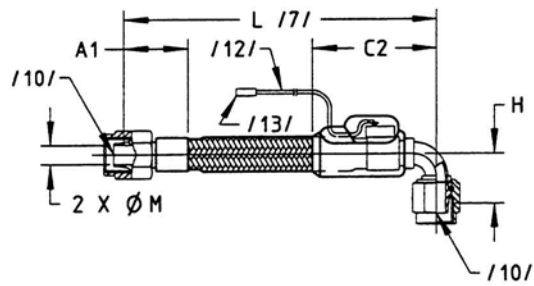


FIGURE 5 - STYLE C2

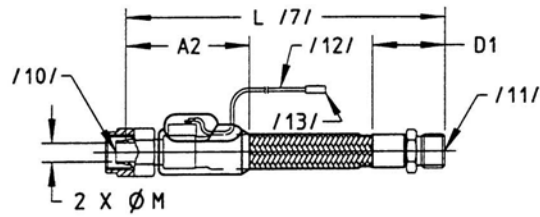


FIGURE 6 - STYLE D1

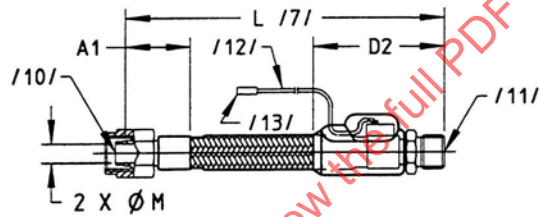


FIGURE 7 - STYLE D2

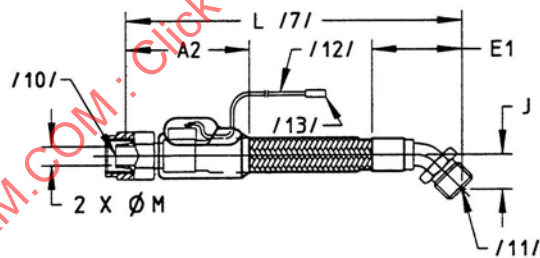


FIGURE 8 - STYLE E1

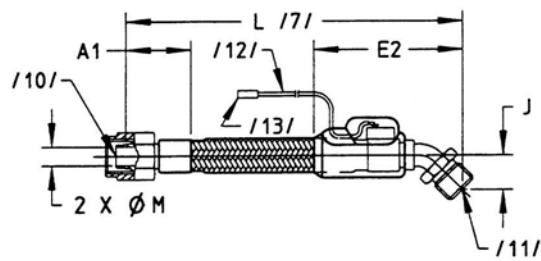


FIGURE 9 - STYLE E2

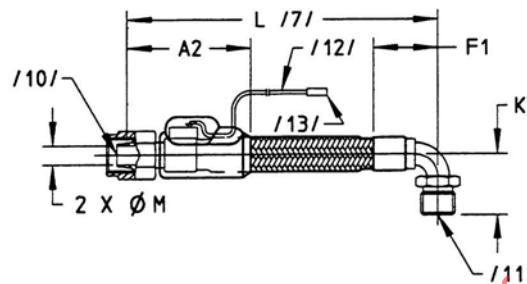


FIGURE 10 - STYLE F1

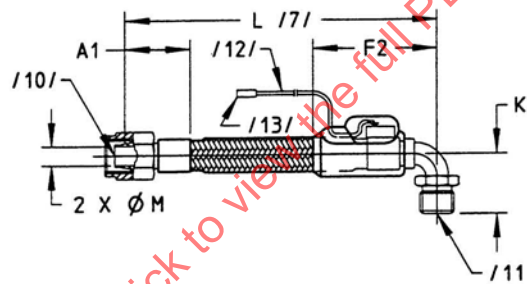


FIGURE 11 - STYLE F2

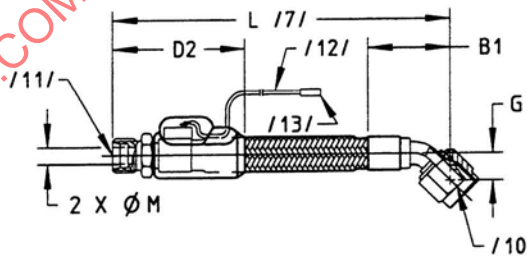


FIGURE 12 - STYLE G1

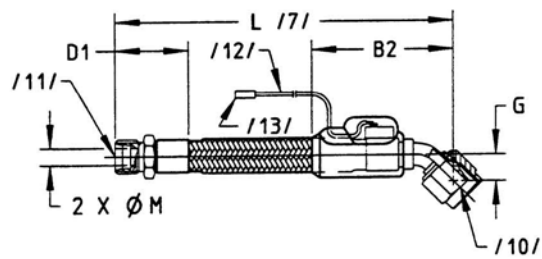


FIGURE 13 - STYLE G2

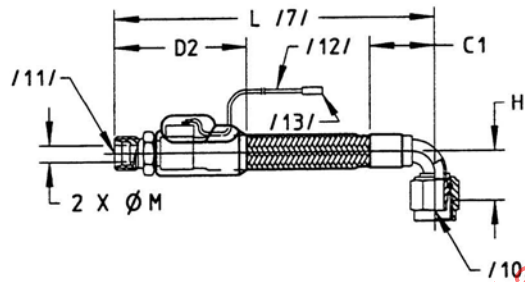


FIGURE 14 - STYLE H1

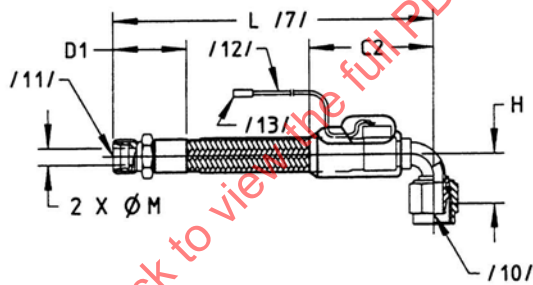


FIGURE 15 - STYLE H2

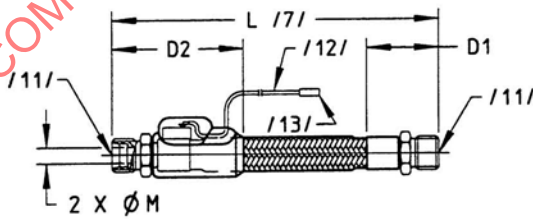


FIGURE 16 - STYLE J1

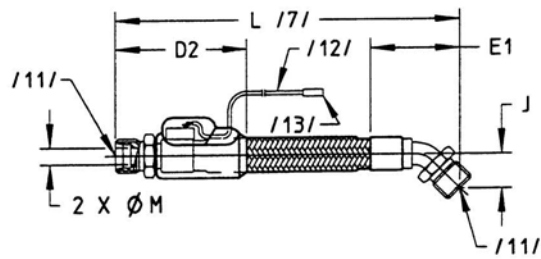


FIGURE 17 - STYLE K1

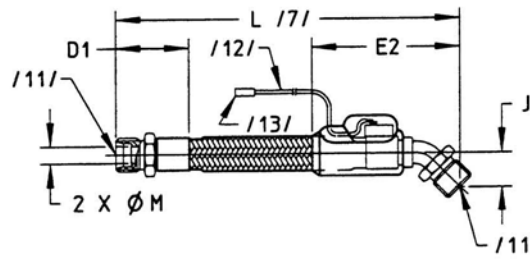


FIGURE 18 - STYLE K2

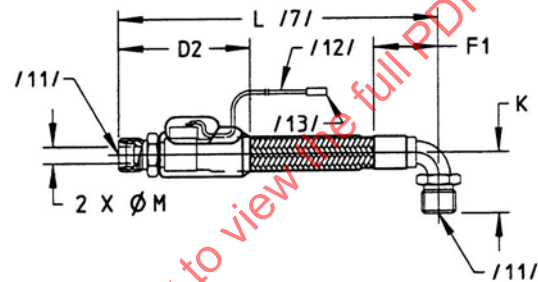


FIGURE 19 - STYLE L1

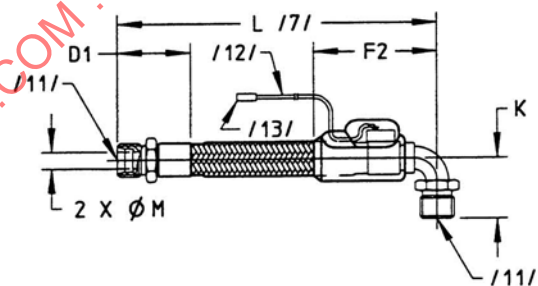


FIGURE 20 - STYLE L2

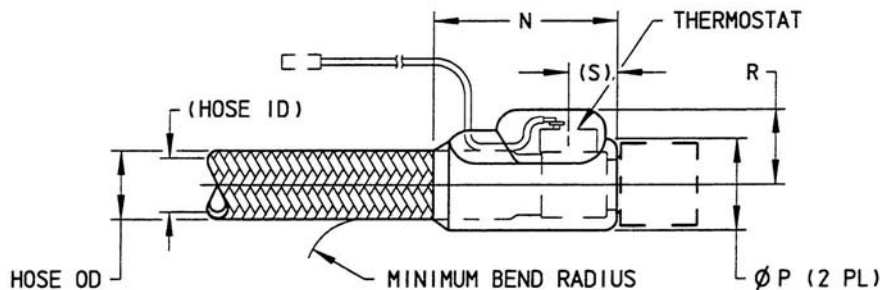


FIGURE 21 - HOSE AND THERMOSTAT DATA

TABLE 1A - FITTING DIMENSIONS A1-E2

HOSE ASSY SIZE	LETTER SIZE CODE	A1 MAX	A2 MAX	B1 MAX	B2 MAX	C1 MIN	C2 MAX	D1 MAX	D2 MAX	E1 MAX	E2 MAX
-06	G	1.26	2.45	1.55	2.75	1.27	2.46	1.39	2.55	1.73	3.01
-08	H	1.28	2.46	1.63	2.83	1.39	2.58	1.52	2.69	1.82	3.11
-10	J	1.37	2.56	1.82	3.01	1.58	2.76	1.61	2.77	2.02	3.36
-12	K	1.53	2.71	2.19	3.37	2.05	3.23	1.87	3.02	2.54	3.87
-16	M	1.57	2.75	2.41	3.59	2.18	3.35	1.91	3.06	2.63	3.96

TABLE 1B - FITTING DIMENSIONS F1-M

HOSE ASSY SIZE	LETTER SIZE CODE	F1 MIN	F2 MAX	G ±.030	H ±.030	J ±.030	K ±.030	ØM THRU REF
-06	G	1.26	2.56	.459	.814	.626	1.049	.297
-08	H	1.39	2.68	.526	1.018	.702	1.267	.422
-10	J	1.57	2.91	.622	1.246	.818	1.524	.500
-12	K	2.05	3.38	.646	1.409	.994	1.900	.656
-16	M	2.17	3.50	.817	1.724	1.030	2.025	.875

TABLE 2A - FITTING DEDUCT LENGTHS AND NOMINAL WEIGHTS (REF) FIGURES 1-11 /8/

HOSE ASSY SIZE	FIGURE 1 DED LG	FIGURE 1 FTG WT	FIGURE 2 & 3 DED LG	FIGURE 2 & 3 FTG WT	FIGURE 4 & 5 DED LG	FIGURE 4 & 5 FTG WT	FIGURE 6 & 7 DED LG	FIGURE 6 & 7 FTG WT	FIGURE 8 & 9 DED LG	FIGURE 8 & 9 FTG WT	FIGURE 10 & 11 DED LG	FIGURE 10 & 11 FTG WT
-06	1.38	.259	1.67	.261	1.38	.263	1.51	.229	1.84	.240	1.38	.242
-08	1.40	.343	1.76	.351	1.52	.356	1.65	.306	1.94	.317	1.52	.322
-10	1.60	.424	2.05	.441	1.80	.450	1.84	.376	2.24	.400	1.80	.408
-12	1.58	.670	2.25	.686	2.10	.700	1.93	.582	2.59	.611	2.10	.625
-16	1.66	.863	2.51	.906	2.27	.926	2.01	.748	2.72	.778	2.27	.798

TABLE 2B - FITTING DEDUCT LENGTHS AND NOMINAL WEIGHTS (REF) FIGURES 12-20 /8/

HOSE ASSY SIZE	FIGURE 12 & 13 DED LG	FIGURE 12 & 13 FTG WT	FIGURE 14 & 15 DED LG	FIGURE 14 & 15 FTG WT	FIGURE 16 DED LG	FIGURE 16 FTG WT	FIGURE 17 & 18 DED LG	FIGURE 17 & 18 FTG WT	FIGURE 19 & 20 DED LG	FIGURE 19 & 20 FTG WT
-06	1.77	.231	1.48	.233	1.61	.199	1.94	.210	1.48	.212
-08	1.98	.315	1.74	.320	1.87	.270	2.16	.281	1.74	.286
-10	2.26	.394	2.01	.403	2.05	.329	2.45	.353	2.01	.361
-12	2.57	.599	2.42	.613	2.25	.495	2.91	.524	2.42	.538
-16	2.83	.793	2.59	.813	2.33	.635	3.04	.665	2.59	.685