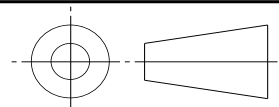


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REV. A	FEDERAL SUPPLY CLASS 4720	
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AS4010™	SAE values your input. To provide feedback on this Technical Report, please visit http://standards.sae.org/AS4010A THIRD ANGLE PROJECTION 	
CUSTODIAN: G-3/G-3D		PROCUREMENT SPECIFICATION: AS1946 /19/
	AEROSPACE STANDARD HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, PTFE, METAL BRAID, MEDIUM PRESSURE, BEAM SEAL, 45° TO 90°	AS4010™ REV. A

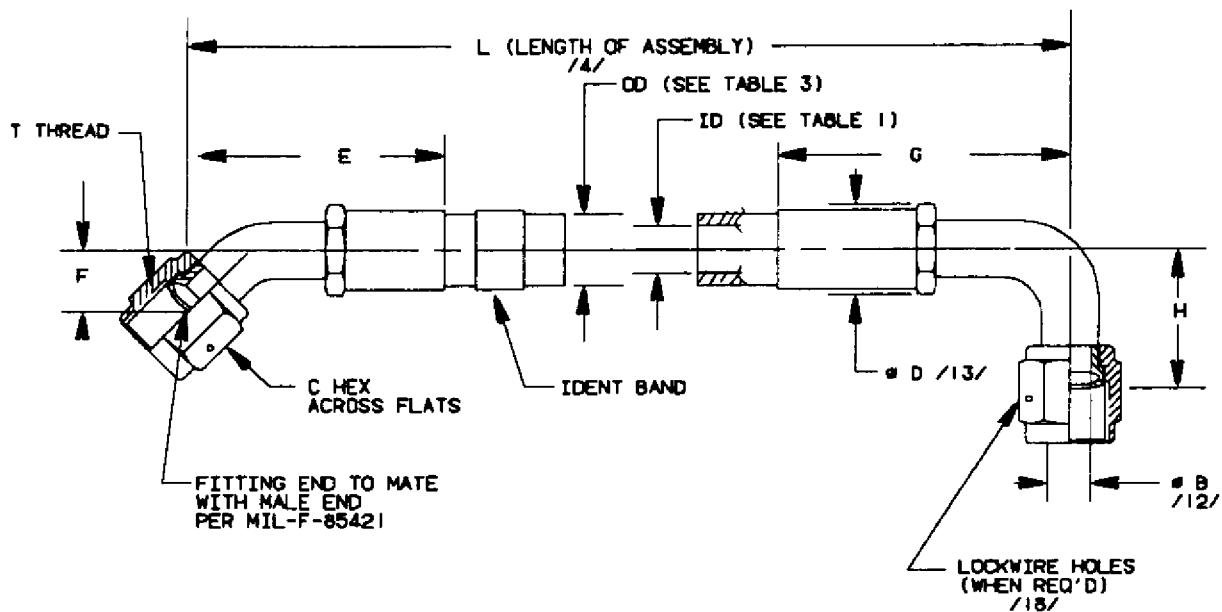


FIGURE 1 - HOSE ASSEMBLY

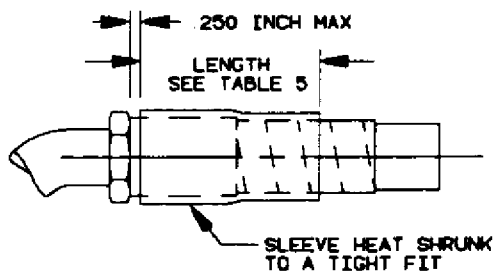


FIGURE 2 - HEAT SHRINKABLE SLEEVES REQUIRED FOR COIL AND TUBULAR ABRASION SLEEVES /6/ AND /7/

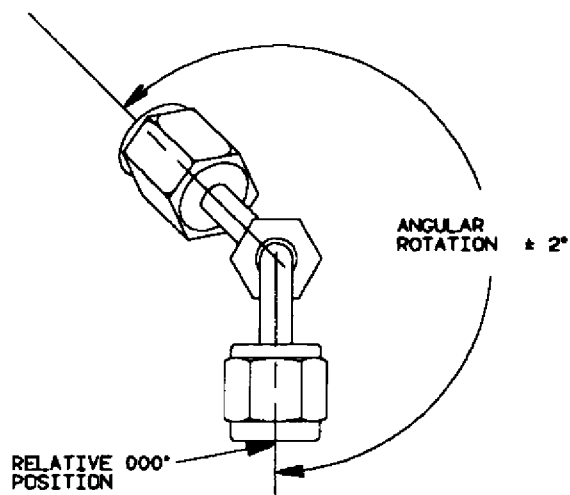


FIGURE 3 - HOSE ASSEMBLY END VIEW

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BEAM SEAL, 45° TO 90°

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TABLE 1 - BASIC HOSE DIMENSIONS

HOSE ASSEMBLY SIZE CODE	HOSE SIZE REF	THREAD T PER MIL-S-6879	ID MIN	B		C MAX /12/	D		E MAX	F		G MAX	H		BALL SIZE MIN THRU OTA /12/
				MIN	MAX		MIN	MAX		MIN	MAX		MIN	MAX	
AS4010E	.250	.4375-24UNJS-3B	.173	.132	.56	.55	.85	.119	.414	.545	.820	.980	.119	.980	.119
AS4010G	.375	.5625-20UNJS-3B	.298	.256	.69	.63	2.15	.230	.450	.582	.945	1.37	.230	1.37	.230
AS4010H	.500	.7188-20UNJS-3B	.391	.340	.88	.83	2.25	.313	.615	.675	.945	1.37	.313	1.37	.313
AS4010J	.625	.8438-18UNJS-3B	.485	.430	1.00	.97	2.66	.391	.555	.766	1.16	1.59	.391	1.59	.391
AS4010K	.750	1.0000-16UNJ-3B	.615	.548	1.12	1.17	3.09	.515	.619	.869	1.38	1.92	.515	1.92	.515
AS4010M	1.000	1.2500-14UNJS-3B	.851	.778	1.38	1.38	3.60	.750	.654	.947	1.51	2.65	.750	2.65	.750
AS4010N	1.250	1.5781-14UNJS-3B	1.101	1.000	1.625	1.68	3.78	.969	1.114	1.174	2.33	2.39	.969	2.39	.969
AS4010P	1.500	1.8438-14UNJS-3B	1.344	1.250	2.000	2.08	3.96	1.188	1.259	1.319	2.686	2.746	1.188	2.746	1.188

TABLE 2 - LENGTH TOLERANCE

HOSE ASSEMBLY LENGTHS	AVAILABLE INCREMENTS	TOLERANCE
UNDER 18 in	(NOT LESS THAN) .125 in	(PLUS OR MINUS) .125
18 TO 36 in	(NOT LESS THAN) .250 in	(PLUS OR MINUS) .250
36 TO 50 in	(NOT LESS THAN) .500 in	(PLUS OR MINUS) .500
OVER 50 in	(NOT LESS THAN) 1.00 in	(PLUS OR MINUS) 1%