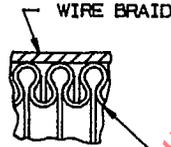
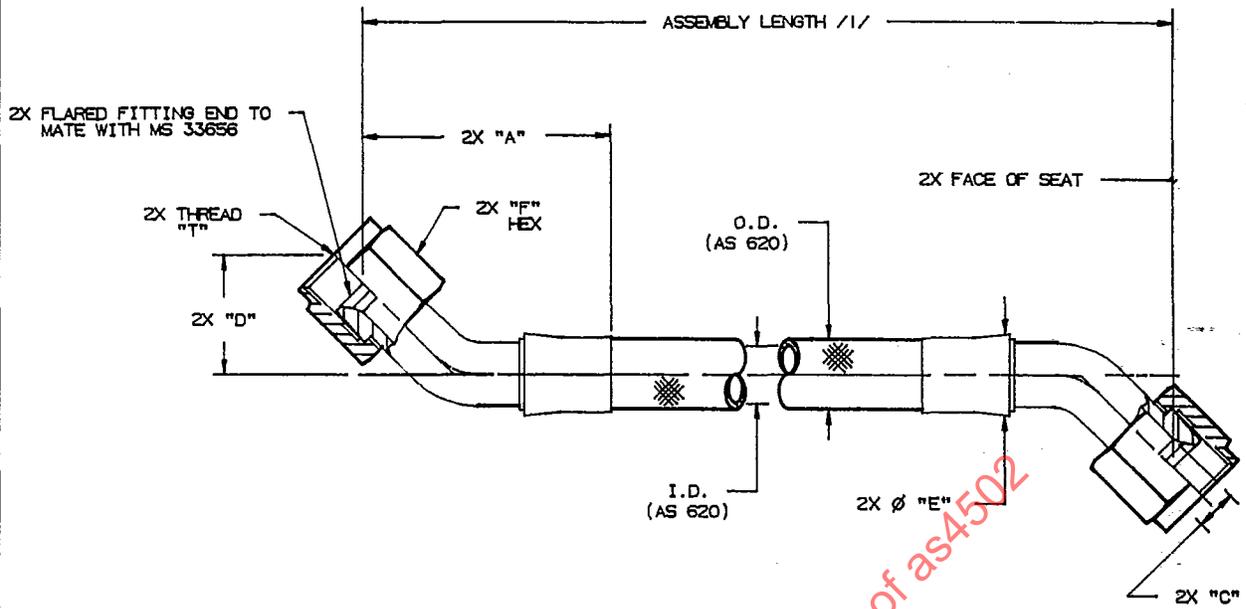


AS4502

FEDERAL SUPPLY CLASS



CONVOLUTIONS
(CONFIGURATION OPTIONAL)

FIGURE 1

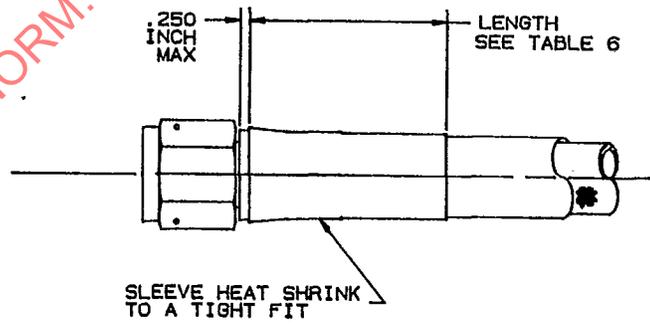


FIGURE 2

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AEROSPACE STANDARD
HOSE ASSEMBLY, CONVOLUTED,
POLYTETRAFLUOROETHYLENE, CONDUCTIVE,
MEDIUM PRESSURE, FLARED, 45° TO 45°, AS620

AS4502
SHEET 1 OF 6

ISSUED 12-30-91 REVISED

AS4502

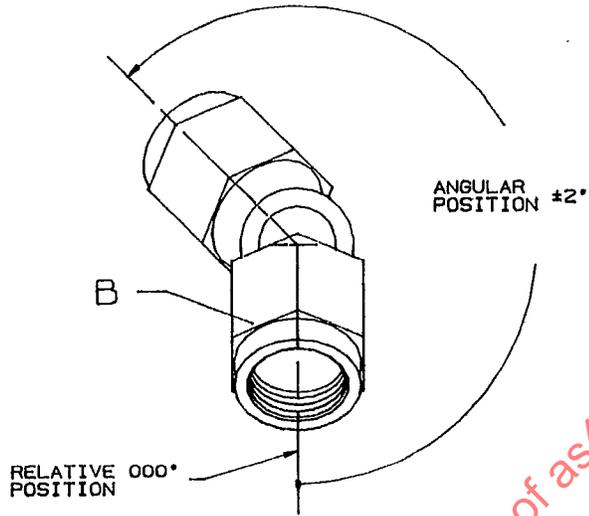


FIGURE 3

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TABLE 1

HOSE ASSEMBLY NO. AND SIZE CODE	HOSE ASSEMBLY SIZE (REF)	THREAD T PER MIL-S-8879 REF	ID MIN (REF)	A MAX	C /4/ DRILL DIA MIN (REF)	D MIN	D MAX	E /5/ DIA MAX WITHOUT SLEEVING (REF)	F HEX (REF)
AS4502E	1/4	.4375-20UNJF-3B	.270	1.44	.132	.312	.382	.55	.56
AS4502G	3/8	.5625-18UNJF-3B	.355	1.86	.256	.436	.506	.65	.69
AS4502H	1/2	.7500-16UNJF-3B	.510	2.18	.345	.537	.607	.86	.88
AS4502J	5/8	.8750-14UNJF-3B	.600	2.42	.430	.608	.678	.95	1.00
AS4502K	3/4	1.0625-12UNJ-3B	.765	2.77	.635	.644	.714	1.28	1.25
AS4502M	1	1.3125-12UNJ-3B	.980	3.05	.835	.755	.825	1.47	1.50
AS4502N	1-1/4	1.6250-12UNJ-3B	1.220	3.68	1.085	.894	.964	1.70	2.00
AS4502P	1-1/2	1.8750-12UNJ-3B	1.480	3.95	1.310	1.016	1.086	2.00	2.25

TABLE 2 (REF)

HOSE ASSEMBLY LENGTH	AVAILABLE INCREMENTS	TOLERANCE
UNDER 18 in	(NOT LESS THAN) .125 in	±.125 in
18 TO 36 in	(NOT LESS THAN) .250 in	±.250 in
36 TO 50 in	(NOT LESS THAN) .500 in	±.500 in
OVER 50 in	(NOT LESS THAN) 1.000 in	±1%

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MEDIUM PRESSURE, FLARED, 45° TO 45°, AS620

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SHEET 3 OF 6

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TABLE 3

HOSE OR COVER CODE	HOSE OR TYPE OF PROTECTIVE COVER	HOSE OR COVER O.D. HOSE SIZE		HOSE OR COVER O.D. HOSE SIZE		HOSE OR COVER O.D. HOSE SIZE		HOSE OR COVER O.D. HOSE SIZE		HOSE OR COVER O.D. HOSE SIZE		UPPER TEMP. LIMIT °F
		-04	-06	-08	-10	-12	-16	-20	-24			
NONE (REF)	HOSE ONLY PER AS620 /5/	.505	.615	.825	.935	1.140	1.330	1.630	1.890	2.000	2.130	275
B (REF)	SPIRAL ABRASION /2/	.760	.830	1.010	1.170	1.360	1.510	1.750	2.000	2.130	2.130	400
H ± .032	INTEGRAL FIRESLEEVE	.760	.870	1.030	1.130	1.370	1.630	1.870	2.130	2.130	2.130	400
N (REF)	FIRESLEEVE SIL/FG /8/ /5/ (AS1072)	.500	.630	.840	.920	1.135	1.345	1.600	1.870	1.870	1.870	300
K ± .032	INTEGRAL ABRASION /3/ (BRAIDED POLYESTER)											

TABLE 4 - PHYSICAL REQUIREMENTS OF HOSE ASSEMBLIES (REF)

HOSE SIZE (REF)	OPERATING PRESSURE MAX PSI	PROOF PRESSURE MIN PSI	BURST PRESSURES			BURST PRESSURE HIGH TEMP MIN PSI	BEND RADIUS AT INSIDE OF BEND INCHES (HOSE ONLY)
			ROOM TEMP MIN PSI	ROOM TEMP MIN PSI	TEMP MIN PSI		
-04	1000	2000	4000	4000	2800	1.25	
-06	1000	2000	4000	4000	2800	2.25	
-08	1000	2000	4000	4000	2800	2.88	
-10	1000	1800	3600	3600	2500	3.00	
-12	1000	1800	3600	3600	2500	3.75	
-16	1000	1800	3600	3600	2500	5.00	
-20	1000	1800	3600	3600	2500	6.25	
-24	750	1500	3000	3000	2100	7.50	