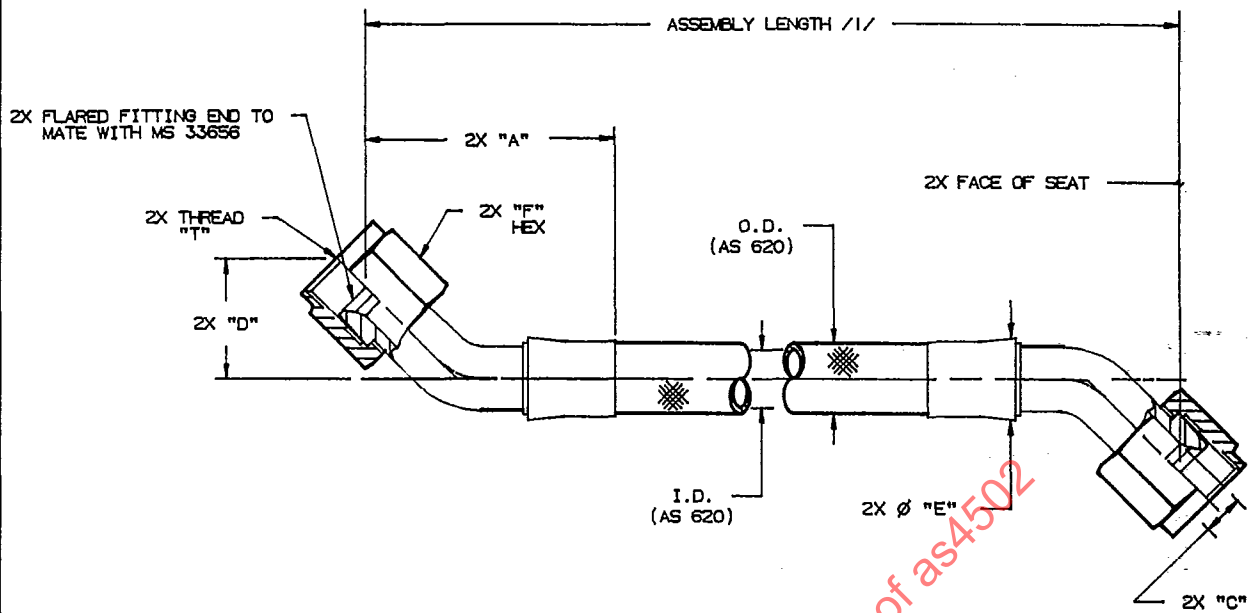


FEDERAL SUPPLY CLASS

AS4502



WIRE BRAID

CONVOLUTIONS
(CONFIGURATION OPTIONAL)

FIGURE 1

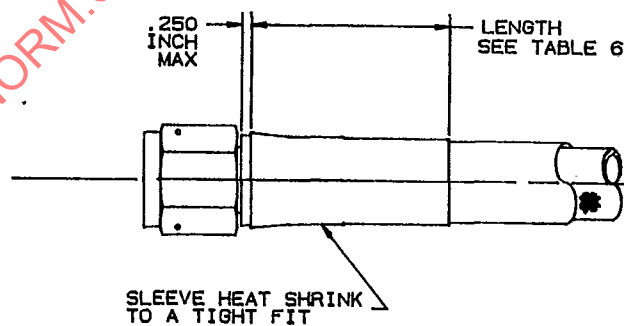


FIGURE 2

CUSTODIAN: SAE G-3/G-3D

SAE The Engineering Society
For Advancing Mobility
Land Sea Air and Space
INTERNATIONAL

400 Commonwealth Drive, Warrendale, PA 15096-0001

AEROSPACE STANDARD

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

AS4502

SHEET 1 OF 6

AS4502

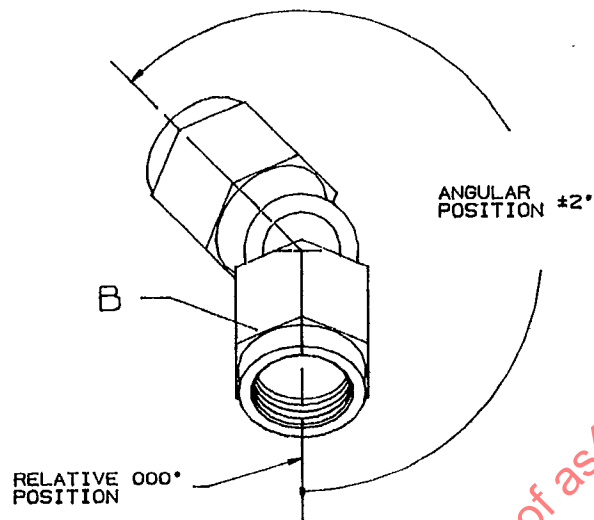


FIGURE 3

SAENORM.COM : Click to view the full PDF of as4502

AS4502

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%

AS4502

TABLE 3

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

TABLE 4 - PHYSICAL REQUIREMENTS OF HOSE ASSEMBLIES (REF)

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