

REV.  
C

AS1914

RATIONALE

AS1914C HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

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.

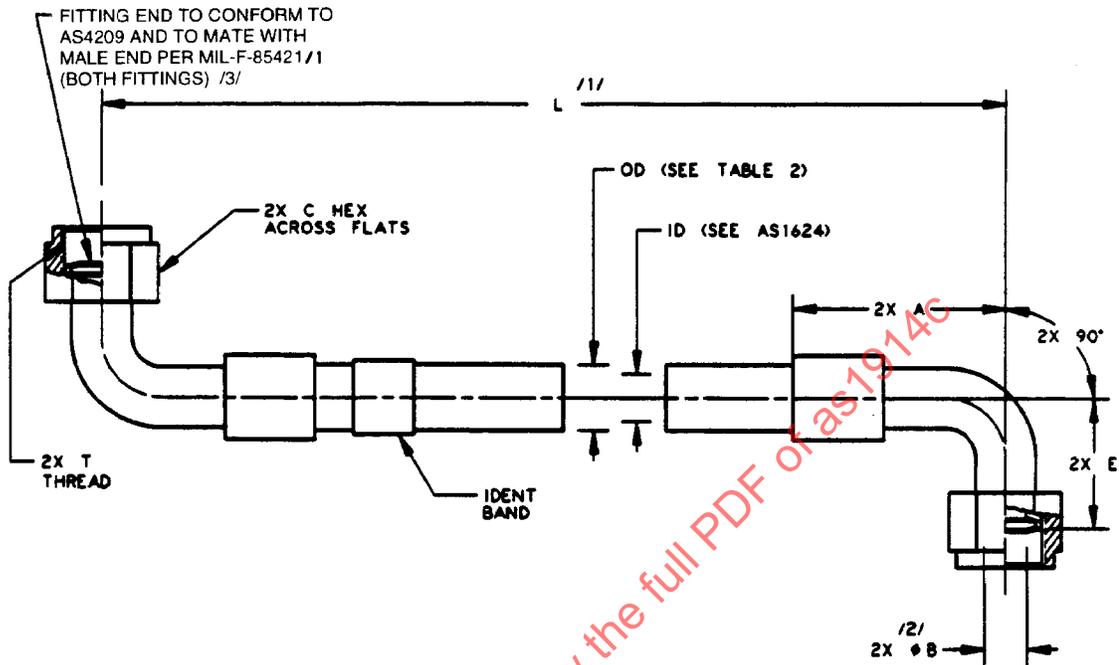


FIGURE 1 - HOSE AND FITTING DIMENSIONS

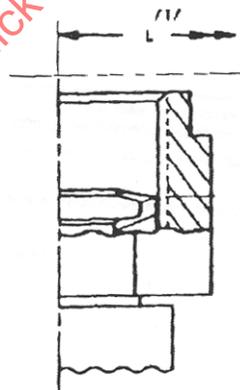
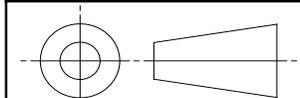


FIGURE 2 - FITTINGS  
(ENLARGED VIEW)

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS1914C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: /13/ AS1339



**AEROSPACE STANDARD**

(R) HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, CRES REINFORCED, 400 °F, 3000 PSI, LIGHTWEIGHT, BEAM SEAL, 90° TO 90°

**AS1914**  
SHEET 1 OF 6

**REV. C**

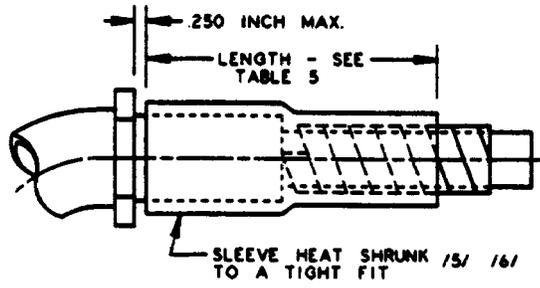


FIGURE 3 - ABRASION SLEEVE RETENTION

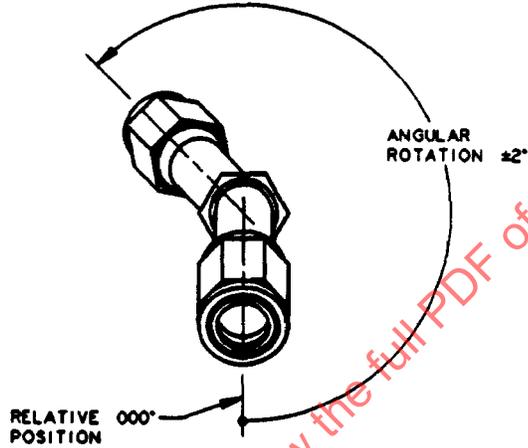


FIGURE 4 - FITTING ANGULAR ORIENTATION

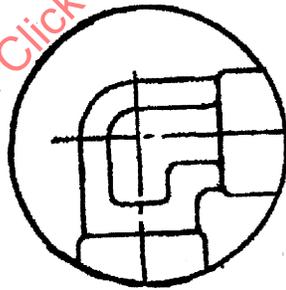


FIGURE 5 - ALTERNATE ELBOW CONFIGURATION /21/

SAENORM.COM : Click to view the full PDF of as1914c

	<b>AEROSPACE STANDARD</b>	<b>AS1914</b> SHEET 2 OF 6	<b>REV.</b> <b>C</b>
	(R) HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, CRES REINFORCED, 400 °F, 3000 PSI, LIGHTWEIGHT, BEAM SEAL, 90° TO 90°		

TABLE 1 - HOSE AND FITTING DIMENSIONS

HOSE ASSEMBLY NO. AND SIZE CODE	SIZE REF	THREAD T PER MIL-S-8879 REF	A MAX	B /2/ DIA MIN	C HEX REF	E MIN	E MAX
AS1914E	.250	.4375-24UNJS-3B	1.69	.135	.56	.795	.983
AS1914G	.375	.5625-20UNJS-3B	2.21	.240	.69	1.000	1.125
AS1914H	.500	.7188-20UNJS-3B	2.10	.340	.88	1.033	1.240
AS1914J	.625	.8438-18UNJS-3B	2.29	.410	1.00	1.258	1.445
AS1914K	.750	1.0000-16UNJ-3B	2.79	.510	1.125	1.530	1.954
AS1914M	1.000	1.2500-14UNJS-3B	3.20	.760	1.50	1.795	1.920

TABLE 2 - HOSE OR SLEEVE OUTSIDE DIAMETERS

SLEEVE CODE	SLEEVE MATERIAL	TEMP. LIMIT °F	HOSE OR SLEEVE OUTSIDE DIAMETERS (MAX-MIN)					
			/4/ .250	/4/ .375	/4/ .500	/4/ .625	/4/ .750	/4/ 1.000
--	(-) INDICATES HOSE ONLY NO SLEEVE (SEE AS1339)	400	--	--	--	--	--	--
A	ABRASION SLEEVE TUBULAR /5/ (TFE-AS1291-CODE B)	400	.500/.440	.600/.540	.730/.670	.840/.780	1.110/1.050	1.400/1.340
B	ABRASION SLEEVE COIL /6/ (NYLON AS1294)	275	.450/.390	.550/.490	.695/.635	.810/.750	1.080/1.020	1.360/1.300
C	FIRESLEEVE (AS1072 SIL-FG) (15 min) /7/ /8/ /11/	400	.625/.500	.750/.625	.875/.750	1.000/.875	1.250/1.125	1.500/1.375
E	ABRASION SLEEVE SHRINK-ON (FEP) (M23053/11) /10/	350	.424/.374	.540/.480	.665/.615	.790/.730	1.070/1.010	1.350/1.290
F	ABRASION SLEEVE SHRINK-ON (POLYOLEFIN AS1073 - CODE B) /10/	275	.450/.400	.560/.505	.695/.645	.810/.750	1.080/1.020	1.360/1.300
H	FIRESLEEVE INTEGRAL SILICONE (15 min) /11/ /12/	400	.660/.600	.745/.685	.895/.835	1.005/.945	1.240/1.160	1.515/1.455
K	INTEGRAL ABRASION SLEEVE /9/ (BRAIDED) POLYESTER	300	.490/.444	.570/.535	.695/.650	.800/.760	1.070/1.030	1.350/1.310
L	ABRASION SLEEVE COIL /6/ (PTFE-AS1293)	400	.500/.440	.600/.540	.730/.670	.862/.802	1.110/1.050	1.400/1.340

TABLE 3 - HOSE ASSEMBLY LENGTH TOLERANCES

HOSE ASSEMBLY LENGTH	TOLERANCE
UNDER 18 in	±.125 in
18 TO 36 in EXCLUSIVE	±.250 in
36 TO 50 in EXCLUSIVE	±.500 in
50 in AND OVER	±1%

TABLE 4 - WEIGHTS

HOSE OR SLEEVE CODE	HOSE OR TYPE SLEEVE	UNITS	REFERENCE	REFERENCE	REFERENCE	REFERENCE	REFERENCE	REFERENCE
			WEIGHT LB/IN /22/ HOSE SIZE					
			.250	.375	.500	.625	.750	1.000
-	HOSE ONLY	LB/IN	.009	.015	.020	.027	.058	.085
A	ABRASION SLEEVE (TFE-AS1291-B)	LB/IN	.003	.004	.004	.005	.007	.009
B	ABRASION SLEEVE (NYLON AS1294)	LB/IN	.001	.002	.003	.003	.004	.005
C	FIRESLEEVE (15 min) AS1072	LB/IN	.007	.009	.011	.012	.017	.021
E	ABRASION SLEEVE (FEP)	LB/IN	.002	.003	.003	.005	.006	.007
F	ABRASION SLEEVE (AS1073B)	LB/IN	.002	.003	.003	.004	.005	.006
H	FIRESLEEVE INTEGRAL (15 min) ON HOSE	LB/IN	.019	.027	.035	.047	.099	.117
K	ABRASION SLEEVE POLYESTER WITH HOSE	LB/IN	.012	.016	.022	.030	.060	.090
L	ABRASION SLEEVE (PTFE-AS1293)	LB/IN	.003	.004	.005	.005	.006	.007
NONE	FIRESLEEVE CLAMP /24/	LB/EA	.025	.025	.025	.026	.026	.033
NONE	FITTING END (90°) /24/	LB/EA	.060	.100	.150	.250	.430	.680

TABLE 5 - SLEEVE LENGTHS

HOSE SIZE	LENGTH (in)
.250/.375	2.00 ± .25
.500/.625	2.50 ± .25
.750/1.000	3.00 ± .25

TABLE 6 - SPHERICAL BALL SIZE FOR DETERMINING MINIMUM HOSE ASSEMBLY ID /2/

HOSE SIZE	ELBOW FITTING
E	.115
G	.204
H	.289
J	.349
K	.434
M	.646



## AEROSPACE STANDARD

(R) HOSE ASSEMBLY, POLYTETRAFLUOROETHYLENE, CRES REINFORCED, 400 °F, 3000 PSI, LIGHTWEIGHT, BEAM SEAL, 90° TO 90°

AS1914  
SHEET 4 OF 6

REV.  
C