

REV.
C

SAE AS4704

RATIONALE

FEDERAL SUPPLY CLASS
4720

CORRECTED "MATES WITH" REFERENCE

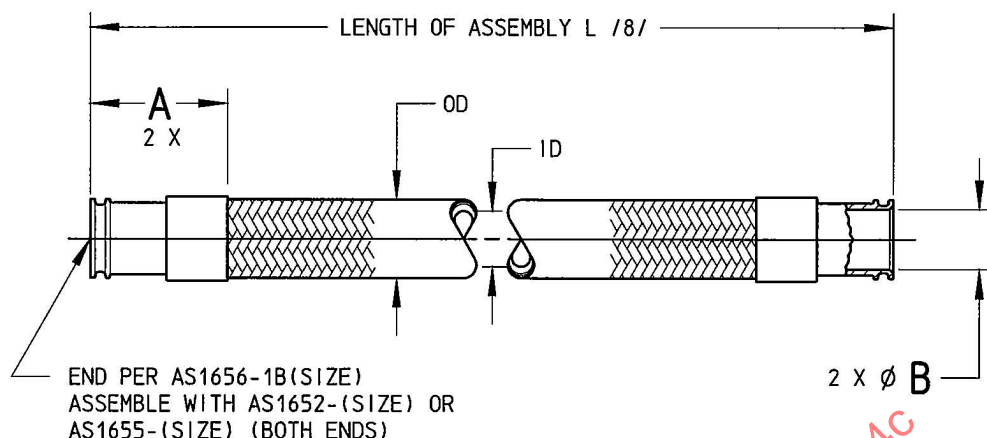


FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - BASIC HOSE AND END FITTING DIMENSIONS

BASIC NO. AND SIZE CODE	HOSE SIZE (REF)	A MAX	B (REF)	ID (REF)	OD MIN	OD MAX
AS4704-08	.500	1.40	.425	.500	.65	.73
AS4704-10	.625	1.40	.550	.625	.81	.85
AS4704-12	.750	1.53	.654	.750	.94	.98
AS4704-16	1.000	1.73	.909	1.000	1.19	1.23

TABLE 2 - LENGTH TOLERANCE

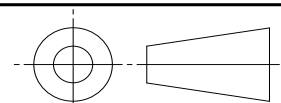
HOSE ASSEMBLY LENGTH	PREFERRED INCREMENTS	TOLERANCE
UNDER 18 IN	(NOT LESS THAN) .125	+.125/-.125
18 TO 36 IN EXCLUSIVE	(NOT LESS THAN) .250	+.250/-.250
36 TO 100 IN EXCLUSIVE	(NOT LESS THAN) .500	+.375/-.375
100 IN AND OVER	(NOT LESS THAN) 1.000	+.5%/-.500

TABLE 3 - HOSE ASSEMBLY WEIGHT INFORMATION

HOSE SIZE CODE	HOSE LB/IN NOM (REF)	END FITTING LB/EA STRAIGHT NOM (REF)	HOSE LENGTH CORRECTION FACTOR, INCH /9/
08	.0081	.038	.70
10	.0111	.047	.70
12	.0137	.083	.75
16	.0182	.118	.80

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4704C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS4468 /2/

SAE Aerospace
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AEROSPACE STANDARD

HOSE ASSEMBLY, LINED SILICONE,
125 PSI, FIXED CAVITY COUPLING, POTABLE WATER,
STRAIGHT MALE TO STRAIGHT MALE

SAE AS4704
SHEET 1 OF 2

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