

REV.
C

SAE AS4796

RATIONALE

FEDERAL SUPPLY CLASS
4720

CORRECTED "MATES WITH" REFERENCE.

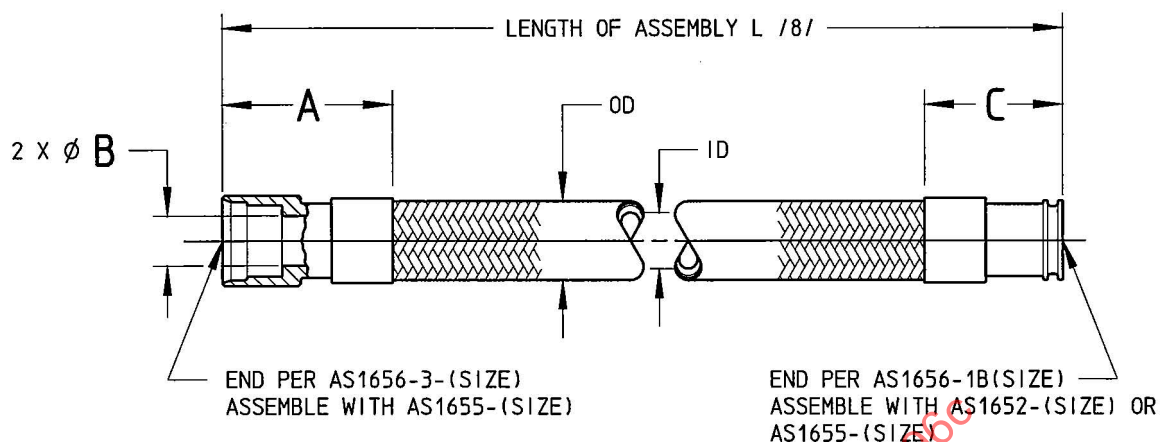


FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - BASIC HOSE AND END FITTING DIMENSIONS

BASIC NO. AND SIZE CODE	HOSE SIZE (REF)	A MAX	B (REF)	C MAX	ID (REF)	OD MIN	OD MAX
AS4796-08	.500	1.60	.425	1.40	.500	.65	.73
AS4796-10	.625	1.60	.550	1.40	.625	.81	.85
AS4796-12	.750	1.84	.654	1.53	.750	.94	.98
AS4796-16	1.000	1.92	.909	1.73	1.000	1.19	1.23

TABLE 2 - LENGTH TOLERANCE

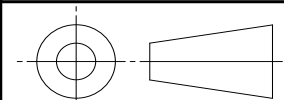
HOSE ASSEMBLY LENGTH	PREFERRED INCREMENTS	TOLERANCE
UNDER 18 IN	(NOT LESS THAN) .125	+.125/- .125
18 TO 36 IN EXCLUSIVE	(NOT LESS THAN) .250	+.250/- .250
36 TO 100 IN EXCLUSIVE	(NOT LESS THAN) .500	+.375/- .375
100 IN AND OVER	(NOT LESS THAN) 1.000	+.5%/- .500

TABLE 3 - HOSE ASSEMBLY WEIGHT INFORMATION

HOSE SIZE CODE	HOSE LB/IN NOM (REF)	END FITTING LB/EA FEMALE NOM (REF)	END FITTING LB/EA MALE NOM (REF)	HOSE LENGTH CORRECTION FACTOR, INCH /9/ FEMALE	HOSE LENGTH FITTING CORRECTION FACTOR, INCH /9/ MALE
08	.0081	.055	.038	.96	.70
10	.0111	.067	.047	.96	.70
12	.0137	.110	.083	1.04	.75
16	.0182	.146	.118	1.12	.80

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4796C>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS4468 /2/

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

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

SAE AS4796
SHEET 1 OF 2

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