

REV.
C

SAE AS4803

RATIONALE

FEDERAL SUPPLY CLASS
4720

CORRECTED "MATES WITH" REFERENCE.

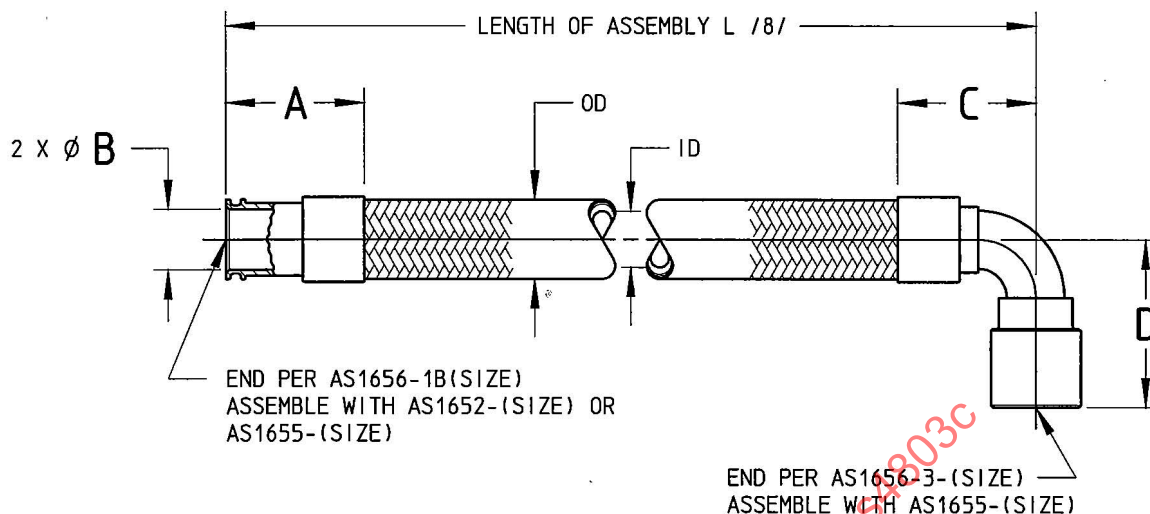


FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - BASIC HOSE AND END FITTING DIMENSIONS

BASIC NO. AND SIZE CODE	HOSE SIZE (REF)	A MAX	B (REF)	C MAX	D MIN	D MAX	ID (REF)	OD MIN	OD MAX
AS4803-08	.500	1.40	.425	1.39	1.22	1.30	.500	.65	.73
AS4803-10	.625	1.40	.550	1.57	1.35	1.43	.625	.81	.85
AS4803-12	.750	1.53	.654	2.06	1.74	1.82	.750	.94	.98
AS4803-16	1.000	1.73	.909	2.17	1.94	2.02	1.000	1.19	1.23

TABLE 2 - LENGTH TOLERANCE

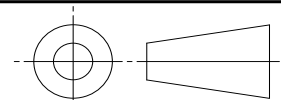
HOSE ASSEMBLY LENGTH	PREFERRED INCREMENTS	TOLERANCE
UNDER 18 IN	(NOT LESS THAN) .125	+ .125/- .125
18 TO 36 IN EXCLUSIVE	(NOT LESS THAN) .250	+ .250/- .250
36 TO 100 IN EXCLUSIVE	(NOT LESS THAN) .500	+ .375/- .375
100 IN AND OVER	(NOT LESS THAN) 1.000	+ .5%/- .500

TABLE 3 - HOSE ASSEMBLY WEIGHT INFORMATION

HOSE SIZE CODE	HOSE LB/IN NOM (REF)	END FITTING LB/EA STRAIGHT NOM (REF)	END FITTING LB/EA 90° NOM (REF)	HOSE LENGTH CORRECTION FACTOR, INCH /9/ STRAIGHT	HOSE LENGTH CORRECTION FACTOR, INCH /9/ 90°
08	.0081	.038	.071	.70	.77
10	.0111	.047	.094	.70	.95
12	.0137	.083	.153	.75	1.26
16	.0182	.118	.208	.80	1.39

SAE values your input. To provide feedback
on this Technical Report, please visit
<http://www.sae.org/technical/standards/AS4803C>

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 90° FEMALE

SAE AS4803
SHEET 1 OF 2

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