

REV.
C

SAE AS4803

FEDERAL SUPPLY CLASS
4720

RATIONALE

CORRECTED "MATES WITH" REFERENCE.

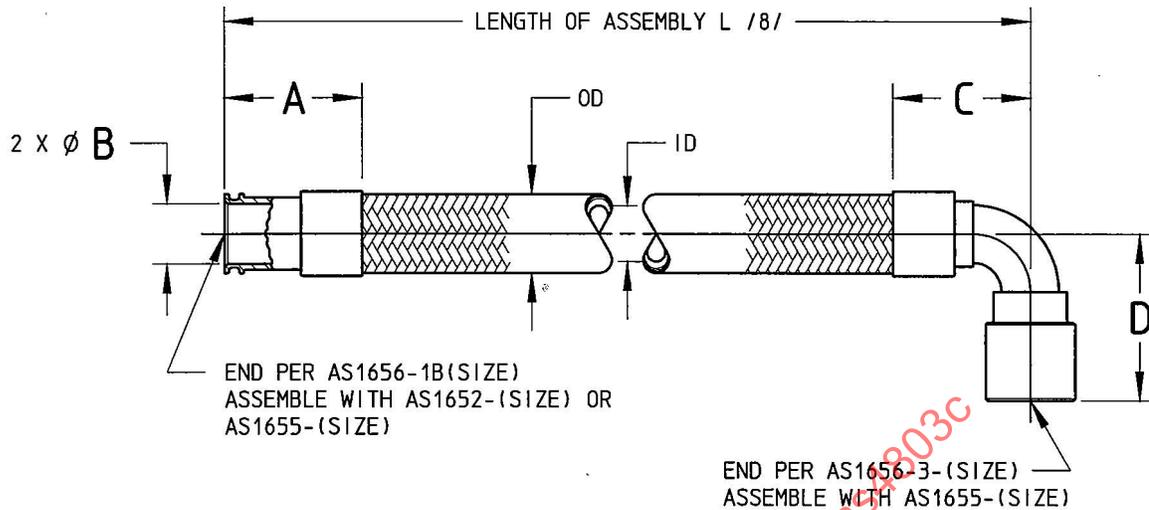


FIGURE 1 - HOSE ASSEMBLY

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	2.05	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

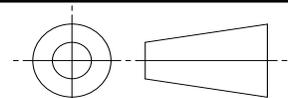
HOSE ASSEMBLY LENGTH	PREFERRED INCREMENTS	TOLERANCE
UNDER 18 IN	(NOT LESS THAN) .125	+ .125/- .125
18 TO 36 IN EXCLUSIVE	(NOT LESS THAN) .250	+ .250/- .250
36 TO 100 IN EXCLUSIVE	(NOT LESS THAN) .500	+ .375/- .375
100 IN AND OVER	(NOT LESS THAN) 1.000	+ .5%/- .500

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

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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 MALE TO 90° FEMALE

SAE AS4803
SHEET 1 OF 2

REV. C

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