

AS4803

FEDERAL SUPPLY CLASS  
4720

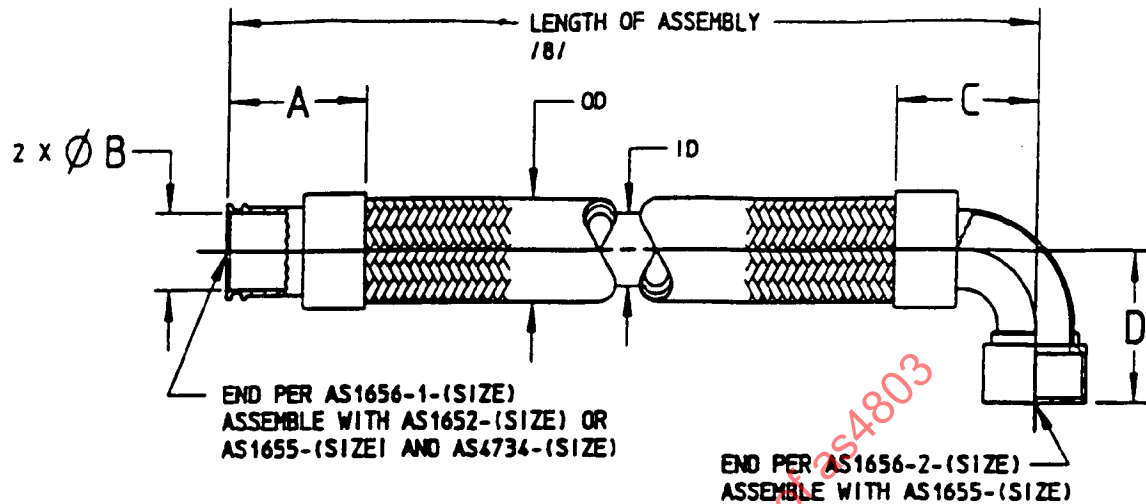


FIGURE 1 - HOSE ASSEMBLY

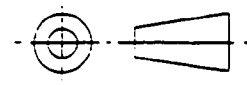
TABLE 1 - BASIC HOSE AND END FITTING DIMENSIONS

| BASIC<br>NO. AND<br>SIZE CODE | HOSE<br>SIZE<br>(REF) | A<br>MAX | B<br>MIN | C<br>MAX | O<br>MIN | O<br>MAX | ID<br>MIN | Ø O<br>MIN | Ø O<br>MAX |
|-------------------------------|-----------------------|----------|----------|----------|----------|----------|-----------|------------|------------|
| AS4803-08                     | .500                  | 1.40     | .425     | 1.39     | 1.226    | 1.286    | .475      | .65        | .73        |
| AS4803-10                     | .625                  | 1.40     | .550     | 1.57     | 1.357    | 1.417    | .600      | .81        | .85        |
| AS4803-12                     | .750                  | 1.53     | .654     | 2.05     | 1.742    | 1.802    | .725      | .94        | .98        |
| AS4803-16                     | 1.000                 | 1.73     | .909     | 2.17     | 1.946    | 2.006    | .975      | 1.19       | 1.23       |

TABLE 2 - LENGTH TOLERANCE

| HOSE ASSEMBLY<br>LENGTH | AVAILABLE INCREMENTS     | +         | -         |
|-------------------------|--------------------------|-----------|-----------|
|                         |                          | TOLERANCE | TOLERANCE |
| UNDER 18 in             | (NOT LESS THAN) .125 in  | .125      | .125      |
| 18 THRU 36 in           | (NOT LESS THAN) .250 in  | .250      | .250      |
| OVER 36 THRU 100 in     | (NOT LESS THAN) .500 in  | .375      | .375      |
| OVER 100 THRU 500 in    | (NOT LESS THAN) 1.000 in | .5%       | .500      |
| OVER 500 in             | (NOT LESS THAN) 1.000 in | 1%        | .500      |

THIRD ANGLE PROJECTION



CUSTODIAN: SAE G-3/G-30

PROCUREMENT SPECIFICATION: /3/ AS4468

**SAE** The Engineering Society  
For Advancing Mobility  
Land Sea Air and Space  
INTERNATIONAL

400 Commonwealth Drive, Warrendale, PA 15096-0001

**AEROSPACE STANDARD**

HOSE ASSEMBLY, SILICONE, LINED -  
FIXED CAVITY COUPLING, POTABLE WATER,  
125 psi, STRAIGHT MALE TO 90° FEMALE

**AS4803**

SHEET 1 OF 2