

# RATIONALE

AS4469B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

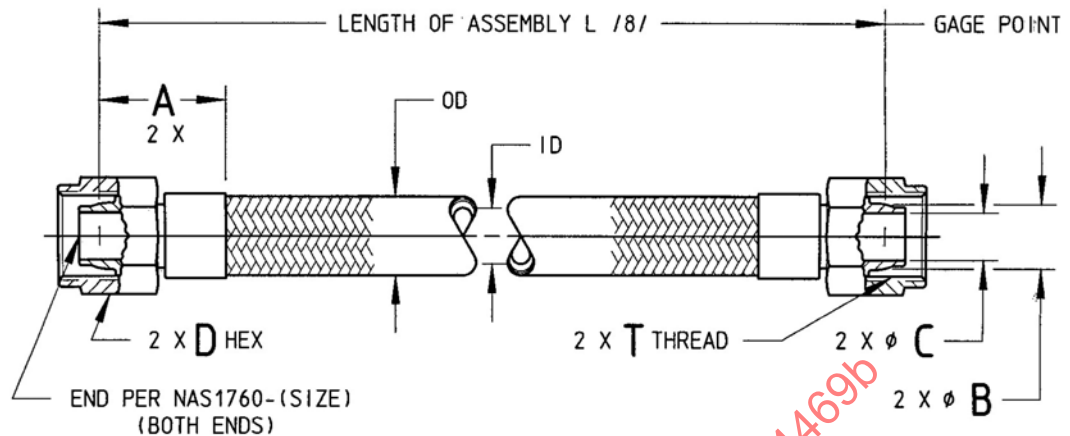


FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - BASIC HOSE AND END FITTING DIMENSIONS

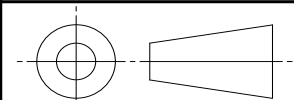
| BASIC NO.<br>AND<br>SIZE CODE | HOSE<br>SIZE<br>(REF) | THREAD T PER<br>AS8879 (REF) | A<br>MAX | B<br>GAGE | C<br>(REF) | D HEX<br>ACROSS<br>FLATS<br>(REF) | ID<br>(REF) | OD<br>MIN | OD<br>MAX |
|-------------------------------|-----------------------|------------------------------|----------|-----------|------------|-----------------------------------|-------------|-----------|-----------|
| AS4469-04                     | .250                  | .4375-20UNJF-3B              | 1.18     | .2930     | .174       | .56                               | .250        | .37       | .48       |
| AS4469-06                     | .375                  | .5625-18UNJF-3B              | 1.27     | .4120     | .291       | .69                               | .375        | .53       | .59       |
| AS4469-08                     | .500                  | .7500-16UNJF-3B              | 1.28     | .5600     | .409       | .88                               | .500        | .65       | .73       |
| AS4469-10                     | .625                  | .8750-14UNJF-3B              | 1.38     | .6730     | .495       | 1.00                              | .625        | .81       | .85       |
| AS4469-12                     | .750                  | 1.0625-12UNJF-3B             | 1.53     | .8100     | .646       | 1.25                              | .750        | .94       | .98       |
| AS4469-16                     | 1.000                 | 1.3125-12UNJF-3B             | 1.57     | 1.0620    | .898       | 1.50                              | 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  |

SAE values your input. To provide feedback  
on this Technical Report, please visit  
<http://www.sae.org/technical/standards/AS4469B>

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, FLARELESS, POTABLE WATER,  
STRAIGHT TO STRAIGHT

**SAE AS4469**  
SHEET 1 OF 3

REV. B

TABLE 3 - HOSE ASSEMBLY WEIGHT INFORMATION

| HOSE<br>SIZE<br>CODE | HOSE<br>LB/IN<br>NOM (REF) | END FITTING<br>LB/EA<br>NOM (REF) | HOSE LENGTH<br>CORRECTION<br>FACTOR, IN<br>/9/ |
|----------------------|----------------------------|-----------------------------------|------------------------------------------------|
| 04                   | .0038                      | .048                              | .55                                            |
| 06                   | .0064                      | .074                              | .64                                            |
| 08                   | .0081                      | .112                              | .65                                            |
| 10                   | .0111                      | .151                              | .75                                            |
| 12                   | .0137                      | .267                              | .74                                            |
| 16                   | .0182                      | .358                              | .78                                            |

## NOTES:

1. MATERIAL AND FINISH: PER AS4468, TABLE 1. ALL FITTING COMPONENTS 300 SERIES CORROSION RESISTANT STEEL, PASSIVATED.
- /2/ PROCUREMENT SPECIFICATION: AS4468 EXCEPT AS SPECIFIED ON THIS STANDARD. PRODUCT SUPPLIED TO THIS SPECIFICATION SHALL BE MANUFACTURED AND ASSEMBLED BY AN ACCREDITED MANUFACTURER OR ASSEMBLED BY AN ACCREDITED DISTRIBUTOR LISTED IN THE PERFORMANCE REVIEW INSTITUTE (PRI) QUALIFIED PRODUCTS LIST (QPL) PRI QPL AS4468 FOR THIS STANDARD. SEE [www.eauditnet.com](http://www.eauditnet.com) FOR CURRENT QPL ON LINE.
3. INTENDED USE: THESE HOSE ASSEMBLIES ARE INTENDED FOR USE IN POTABLE WATER SYSTEM INSTALLATIONS WHERE A HIGH DEGREE OF FLEXIBILITY IS REQUIRED.
4. IDENTIFICATION: PER AS4468.
5. OPERATING CHARACTERISTICS:
  - a. OPERATING TEMPERATURE: -65 TO +160 °F (-54 TO +71 °C).
  - b. OPERATING PRESSURE: 125 PSI MAX.
6. FUNCTIONAL TEST AND CLEANING: PER AS4468.
7. CONSTRUCTION: PER AS4468.
- /8/ LENGTH "L" IS A FOUR-DIGIT NUMBER OF WHICH THE FIRST THREE DIGITS DESCRIBE THE HOSE ASSEMBLY LENGTH IN WHOLE INCHES, AND THE FOURTH DIGIT THE FRACTION OF AN INCH IN EIGHTHS. LENGTH "L" IS MEASURED FROM "GAGE POINT" TO "GAGE POINT". SEE TABLE 2 FOR LENGTH TOLERANCES.
- /9/ HOSE WEIGHT PLUS EACH END FITTING WEIGHT EQUALS HOSE ASSEMBLY WEIGHT. FOR DETERMINING HOSE WEIGHT, DEDUCT APPROPRIATE LENGTH CORRECTION FACTOR FROM EACH END OF THE ASSEMBLY LENGTH.
10. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.
11. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS  $\pm 0.010$ , ANGULAR DIMENSIONS  $\pm 2^\circ$ .