

REV.
B

SAE AS4476

RATIONALE

AS4476B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

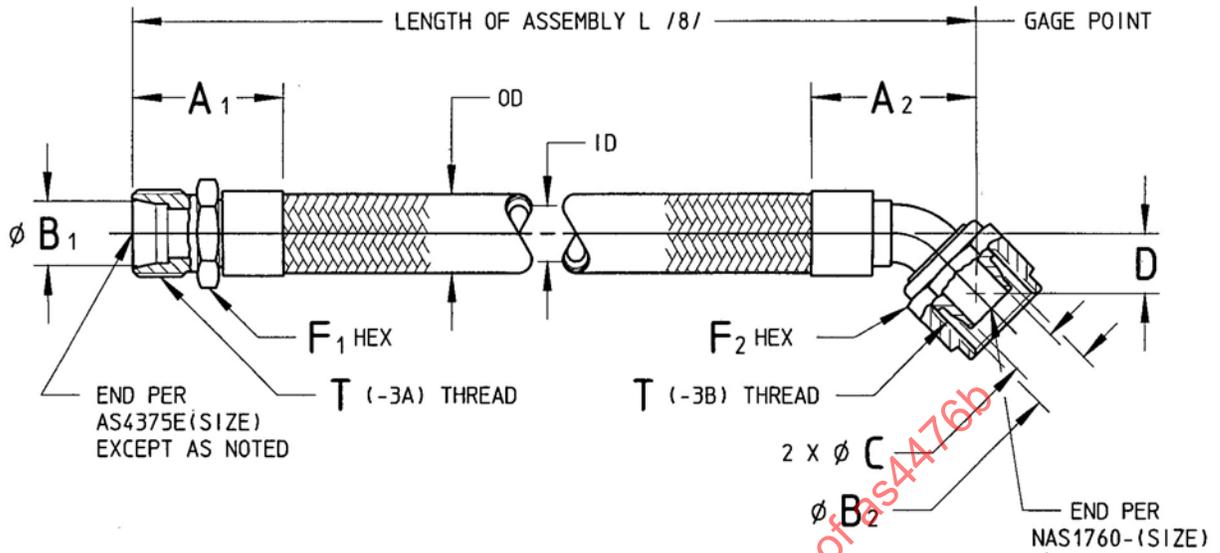


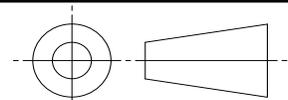
FIGURE 1 - HOSE ASSEMBLY

TABLE 1 - HOSE ASSEMBLY DIMENSIONS

| BASIC NO. AND SIZE CODE | HOSE SIZE (REF) | THREAD T PER AS8879 (REF) | F ₁ HEX ACROSS FLATS (REF) | F ₂ HEX ACROSS FLATS (REF) | ID (REF) | OD MIN | OD MAX |
|-------------------------|-----------------|---------------------------|---------------------------------------|---------------------------------------|----------|--------|--------|
| AS4476-04 | .250 | .4375-20UNJF-3B/A | .50 | .56 | .250 | .37 | .48 |
| AS4476-06 | .375 | .5625-18UNJF-3B/A | .62 | .69 | .375 | .53 | .59 |
| AS4476-08 | .500 | .7500-16UNJF-3B/A | .81 | .88 | .500 | .65 | .73 |
| AS4476-10 | .625 | .8750-14UNJF-3B/A | .94 | 1.00 | .625 | .81 | .85 |
| AS4476-12 | .750 | 1.0625-12UNJ-3B/A | 1.12 | 1.25 | .750 | .94 | .98 |
| AS4476-16 | 1.000 | 1.3125-12UNJ-3B/A | 1.36 | 1.50 | 1.000 | 1.19 | 1.23 |

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS4476B>

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 MALE TO 45° FEMALE

SAE AS4476
SHEET 1 OF 3

REV.
B

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ISSUED 1992-05 REVISED 2007-08 REAFFIRMED 2013-01

TABLE 2 - END FITTING DIMENSIONS

| BASIC NO. AND SIZE CODE | A ₁ MAX | A ₂ MAX | B ₂ GAGE | B ₁ GAGE | C (REF) | D MIN | D MAX |
|-------------------------------|-----------------------|-----------------------|------------------------|------------------------|------------|----------|----------|
| AS4476-04 | 1.33 | 1.44 | .2930 | .2930 | .174 | .34 | .44 |
| AS4476-06 | 1.39 | 1.56 | .4120 | .4160 | .291 | .42 | .57 |
| AS4476-08 | 1.48 | 1.64 | .5600 | .5600 | .409 | .49 | .61 |
| AS4476-10 | 1.66 | 1.83 | .6730 | .6860 | .495 | .59 | .71 |
| AS4476-12 | 1.87 | 2.19 | .8100 | .8100 | .646 | .61 | .77 |
| AS4476-16 | 1.89 | 2.42 | 1.0620 | 1.0620 | .872 | .74 | .85 |

TABLE 3 - 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 4 - HOSE ASSEMBLY WEIGHT INFORMATION

| HOSE SIZE CODE | HOSE LB/IN NOM (REF) | END FITTING | END FITTING | HOSE LENGTH | HOSE LENGTH |
|----------------------|----------------------------|-------------------------------|------------------------------|--|---|
| | | LB/EA NAS1760 NOM (REF) | LB/EA AS4375 NOM (REF) | CORRECTION FACTOR, INCH /9/ NAS1760 | CORRECTION FACTOR, INCH /9/ AS4375 |
| 04 | .0038 | .029 | .049 | .73 | .81 |
| 06 | .0064 | .043 | .075 | .77 | .93 |
| 08 | .0081 | .075 | .120 | .90 | 1.01 |
| 10 | .0111 | .102 | .167 | .99 | 1.20 |
| 12 | .0137 | .177 | .281 | 1.09 | 1.41 |
| 16 | .0182 | .241 | .399 | 1.13 | 1.63 |

NOTES:

- MATERIAL AND FINISH: PER AS4468, TABLE 1. ALL FITTING COMPONENTS 300 SERIES CORROSION RESISTANT STEEL, PASSIVATED.
- 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 FOR CURRENT QPL ON LINE.
- INTENDED USE: THESE HOSE ASSEMBLIES ARE INTENDED FOR USE IN POTABLE WATER SYSTEM INSTALLATIONS WHERE A HIGH DEGREE OF FLEXIBILITY IS REQUIRED.
- IDENTIFICATION: PER AS4468.

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|---|---|-----------------------------------|-------------------|
|  An SAE International Group | AEROSPACE STANDARD | SAE AS4476 SHEET 2 OF 3 | REV. B |
| | HOSE ASSEMBLY, LINED SILICONE, 125 PSI, FLARELESS, POTABLE WATER, STRAIGHT MALE TO 45° FEMALE | | |