

# RATIONALE

AS1475B HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

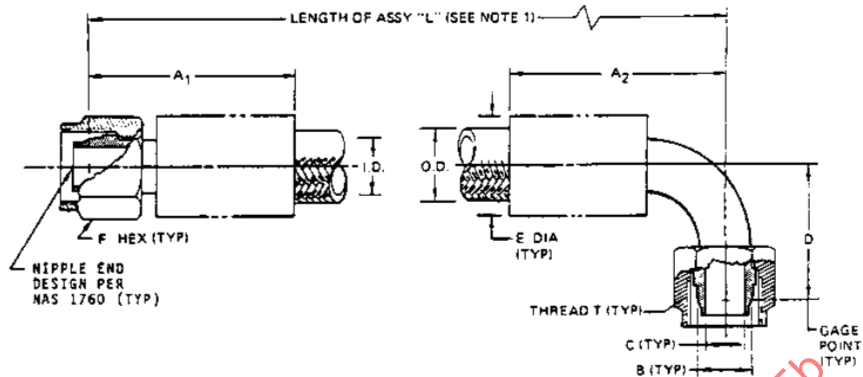


TABLE I  
BASIC HOSE AND END FITTING DIMENSIONS

| HOSE ASSEMBLY NO. AND SIZE CODE | HOSE ASSY. SIZE (REF) | THREAD T PER MIL-S-8879 (REF) | A <sub>1</sub> MAX. | A <sub>2</sub> MAX. | B GAGE DIA. BASIC | C MIN. DIA. THRU | D    |      | E MAX. | F HEX ACROSS FLATS (REF) | HOSE I.O. MIN. | HOSE MIN. | O.D. MAX. |
|---------------------------------|-----------------------|-------------------------------|---------------------|---------------------|-------------------|------------------|------|------|--------|--------------------------|----------------|-----------|-----------|
|                                 |                       |                               |                     |                     |                   |                  | MIN. | MAX. |        |                          |                |           |           |
| ASI475-04                       | 1/4                   | .4375-20 UNJF-3B              | 1.42                | 1.52                | .2930             | .174             | .62  | .70  | .67    | .56                      | .235           | .35       | .39       |
| ASI475-06                       | 3/8                   | .5625-18 UNJF-3B              | 1.52                | 1.85                | .4120             | .291             | .82  | .90  | .82    | .69                      | .360           | .54       | .57       |
| ASI475-08                       | 1/2                   | .7500-16 UNJF-3B              | 1.87                | 2.16                | .5600             | .409             | .96  | 1.04 | 1.03   | .88                      | .485           | .68       | .73       |
| ASI475-10                       | 5/8                   | .8750-14 UNJF-3B              | 1.95                | 2.45                | .6730             | .495             | 1.18 | 1.26 | 1.18   | 1.00                     | .610           | .81       | .86       |
| ASI475-12                       | 3/4                   | 1.0625-12 UNJ-3B              | 1.99                | 2.74                | .8100             | .645             | 1.31 | 1.39 | 1.47   | 1.25                     | .735           | .93       | .98       |
| ASI475-16                       | 1                     | 1.3125-12 UNJ-3B              | 2.30                | 3.30                | 1.0620            | .898             | 1.67 | 1.75 | 1.75   | 1.50                     | .985           | 1.20      | 1.24      |

TABLE II  
LENGTH INCREMENTS AND TOLERANCE

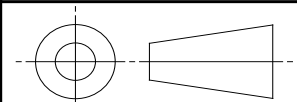
| HOSE ASSEMBLY LENGTH | AVAILABLE INCREMENTS       | TOLERANCE                   |
|----------------------|----------------------------|-----------------------------|
| UNDER 18 INCHES      | (NOT LESS THAN) .125 INCH  | (PLUS OR MINUS) .125 INCH   |
| 18 TO 36 INCHES      | (NOT LESS THAN) .250 INCH  | (PLUS OR MINUS) .250 INCH   |
| 36 TO 100 INCHES     | (NOT LESS THAN) .250 INCH  | (PLUS OR MINUS) .375 INCH   |
| 100 TO 500 INCHES    | (NOT LESS THAN) .500 INCH  | (PLUS OR MINUS) 1/2 PERCENT |
| OVER 500 INCHES      | (NOT LESS THAN) 1.000 INCH | (PLUS OR MINUS) 1 PERCENT   |

TABLE III  
HOSE ASSEMBLY WEIGHT INFORMATION

| HOSE<br>SIZE<br>(REF) | MAXIMUM WEIGHTS  |                                    |          |          |          |          | HOSE LENGTH<br>CORRECTION<br>FACTOR<br>INCH |     |      |
|-----------------------|------------------|------------------------------------|----------|----------|----------|----------|---------------------------------------------|-----|------|
|                       | HOSE<br>LBS/INCH | STANDARD END FITTING<br>(LBS) EACH |          |          |          |          |                                             |     |      |
|                       |                  | STRAIGHT                           |          |          | 90°      |          |                                             |     |      |
|                       |                  | CODE "D"                           | CODE "S" | CODE "J" | CODE "D" | CODE "S" | CODE "J"                                    | ST  | 90°  |
| 04                    | .004             | .027                               |          | .051     | .027     |          | .049                                        | .49 | .51  |
| 06                    | .008             | .041                               |          | .077     | .048     |          | .081                                        | .58 | .58  |
| 08                    | .011             | .068                               |          | .123     | .079     |          | .125                                        | .59 | .70  |
| 10                    | .014             | .105                               |          | .182     | .122     |          | .187                                        | .69 | .88  |
| 12                    | .018             | .130                               |          | .251     | .183     |          | .295                                        | .69 | 1.19 |
| 16                    | .024             | .201                               |          | .372     | .284     |          | .444                                        | .73 | 1.32 |

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS1475B>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3



## AEROSPACE STANDARD

HOSE ASSEMBLY, FLEXIBLE, LOW PRESSURE, FLARELESS, POTABLE WATER, STRAIGHT TO 90°

AS1475  
SHEET 1 OF 2

REV.  
B