

## AS1478 A

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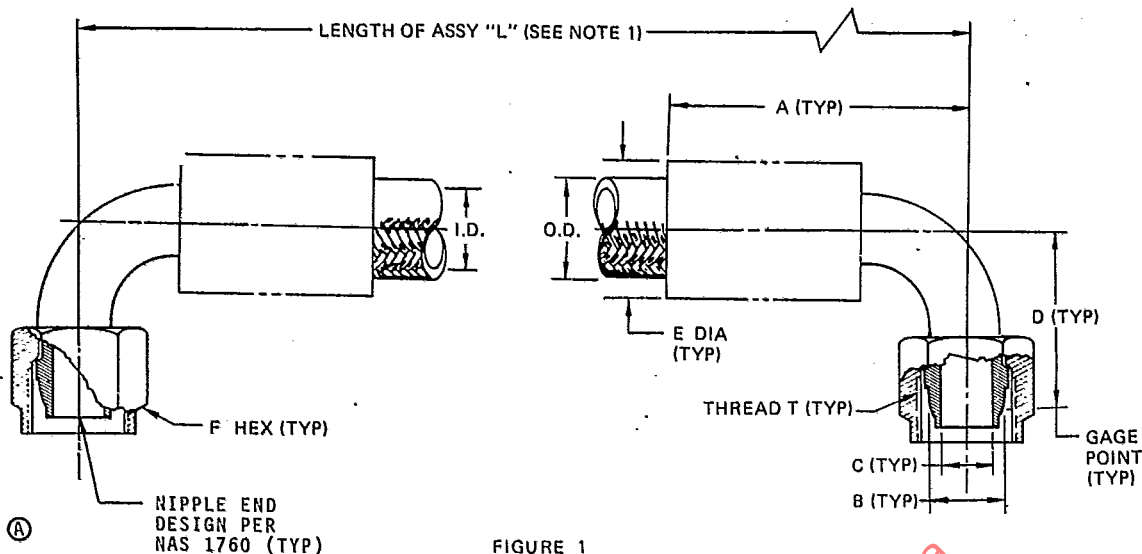


FIGURE 1

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 MAX. | B GAGE DIA. BASIC | C MIN. DIA. THRU 2 | D    |      | E MAX. 3 | F HEX ACROSS FLATS (REF) | HOSE I.D. MIN. | HOSE O.D. |      |
|---------------------------------|-----------------------|-------------------------------|--------|-------------------|--------------------|------|------|----------|--------------------------|----------------|-----------|------|
|                                 |                       |                               |        |                   |                    | MIN. | MAX. |          |                          |                | MIN.      | MAX. |
| AS1478E                         | 1/4                   | .4375-20 UNJF-3B              | 1.52   | .2930             | .174               | .62  | .70  | .67      | .56                      | .235           | .35       | .39  |
| AS1478G                         | 3/8                   | .5625-18 UNJF-3B              | 1.85   | .4120             | .291               | .82  | .90  | .82      | .69                      | .360           | .54       | .57  |
| AS1478H                         | 1/2                   | .7500-16 UNJF-3B              | 2.16   | .5600             | .409               | .96  | 1.04 | 1.03     | .88                      | .485           | .68       | .73  |
| AS1478J                         | 5/8                   | .8750-14 UNJF-3B              | 2.45   | .6730             | .495               | 1.18 | 1.26 | 1.18     | 1.00                     | .610           | .81       | .86  |
| AS1478K                         | 3/4                   | 1.0625-12 UNJ-3B              | 2.74   | .8100             | .646               | 1.31 | 1.39 | 1.47     | 1.25                     | .735           | .93       | .98  |
| AS1478M                         | 1                     | 1.3125-12 UNJ-3B              | 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<br>LENGTH<br>CORRECTION<br>FACTOR<br>INCH |          |
|-----------------------|------------------|---------------------------------------|----------|------------------------------------------------|----------|
|                       | HOSE<br>LBS/INCH | STANDARD<br>END FITTING<br>(LBS) EACH |          |                                                |          |
|                       |                  | CODE "D"                              | CODE "S" |                                                | CODE "J" |
| 04                    | .004             | .027                                  |          | .049                                           | .51      |
| 06                    | .008             | .048                                  |          | .081                                           | .58      |
| 08                    | .011             | .079                                  |          | .125                                           | .70      |
| 10                    | .014             | .122                                  |          | .187                                           | .88      |
| 12                    | .018             | .183                                  |          | .295                                           | 1.19     |
| 16                    | .024             | .284                                  |          | .444                                           | 1.32     |

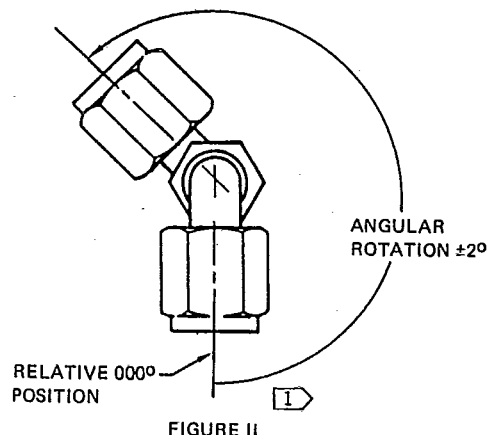


FIGURE II

PREPARED BY SAE COMMITTEE G-3, AEROSPACE FITTINGS, HOSE AND TUBING ASSEMBLIES

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## AEROSPACE STANDARD

HOSE ASSEMBLY, FLEXIBLE, LOW PRESSURE, FLARELESS,  
POTABLE

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