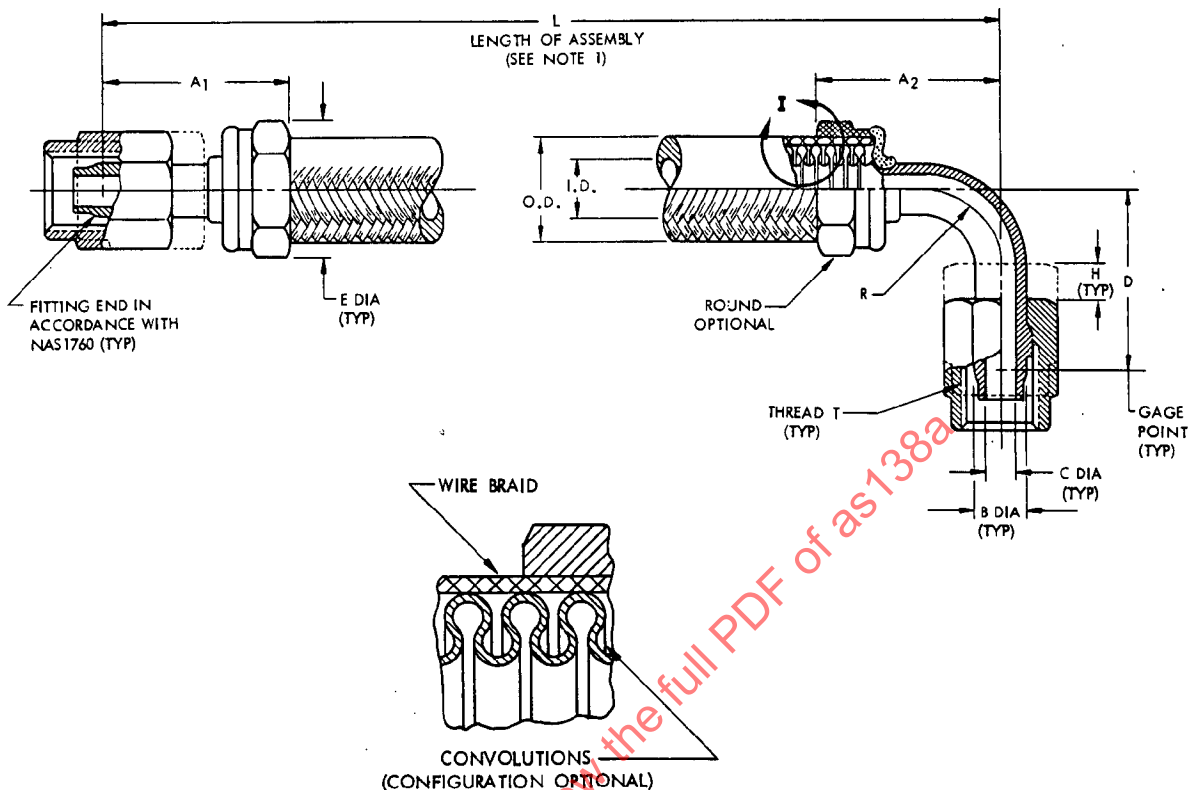


# AS138

THIS REVISION CONTAINS ONLY EDITORIAL CHANGES.



DETAIL I

TABLE I

| HOSE<br>ASSY.<br>SIZE<br>CODE | HOSE<br>SIZE<br>(REF) | TUBE<br>SIZE<br>(REF) | A          |            | B<br>GAGE<br>DIA.<br>BASIC | C<br>MIN.<br>DIA.<br>THRU<br>4 | D    |      | E<br>ENVELOPE<br>DIA.<br>MAX. | H<br>MIN.<br>2 | R<br>(REF) | THREAD T<br>PER MIL-S-8879<br>(REF) | HOSE         |              |
|-------------------------------|-----------------------|-----------------------|------------|------------|----------------------------|--------------------------------|------|------|-------------------------------|----------------|------------|-------------------------------------|--------------|--------------|
|                               |                       |                       | A1<br>MAX. | A2<br>MAX. |                            |                                | MIN. | MAX. |                               |                |            |                                     | I.D.<br>MIN. | O.D.<br>MAX. |
| 04                            | 1/4                   | 1/4                   | 1.25       | 1.18       | .2930                      | .141                           | .83  | 1.08 | .900                          | .40            | .250       | .4375-20UNJF-3B                     | .23          | .56          |
| 06                            | 3/8                   | 3/8                   | 1.38       | 1.31       | .4120                      | .250                           | .98  | 1.23 | 1.200                         | .40            | .375       | .5625-18UNJF-3B                     | .34          | .70          |
| 08                            | 1/2                   | 1/2                   | 1.56       | 1.50       | .5600                      | .360                           | 1.23 | 1.54 | 1.300                         | .47            | .500       | .7500-16UNJF-3B                     | .45          | .86          |
| 10                            | 5/8                   | 5/8                   | 1.75       | 1.75       | .6730                      | .455                           | 1.56 | 1.87 | 1.500                         | .53            | .625       | .8750-14UNJF-3B                     | .57          | 1.00         |
| 12                            | 3/4                   | 3/4                   | 1.94       | 2.06       | .8100                      | .568                           | 1.67 | 2.05 | 1.740                         | .53            | .750       | 1.0625-12UNJ-3B                     | .70          | 1.15         |
| 16                            | 1                     | 1                     | 2.12       | 2.50       | 1.0620                     | .760                           | 1.84 | 2.22 | 2.300                         | .53            | 1.000      | 1.3125-12UNJ-3B                     | .95          | 1.45         |
| 20                            | 1-1/4                 | 1-1/4                 | 2.38       | 2.97       | 1.3160                     | .920                           | 2.09 | 2.59 | 2.850                         | .54            | 1.250      | 1.6250-12UNJ-3B                     | 1.20         | 1.75         |

TABLE II

| HOSE ASSEMBLY LENGTH | AVAILABLE LENGTH INCREMENTS | LENGTH TOLERANCE          |
|----------------------|-----------------------------|---------------------------|
| UNDER 10 INCHES      | (NOT LESS THAN) 1/8 INCH    | (PLUS OR MINUS) .062 INCH |
| 10 TO 36 INCHES      | (NOT LESS THAN) 1/8 INCH    | (PLUS OR MINUS) .125 INCH |
| 36 TO 50 INCHES      | (NOT LESS THAN) 1/4 INCH    | (PLUS OR MINUS) .250 INCH |
| OVER 50 INCHES       | (NOT LESS THAN) 1/2 INCH    | (PLUS OR MINUS) 1/8       |

REAFFIRMED

APR 1 1994

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

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

**AEROSPACE STANDARD**

HOSE ASSEMBLY, METAL - MEDIUM PRESSURE,  
FLARELESS, WELDED, STRAIGHT TO 90°

**AS138**  
SHEET 1 OF 2