

# RATIONALE

AS1488 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

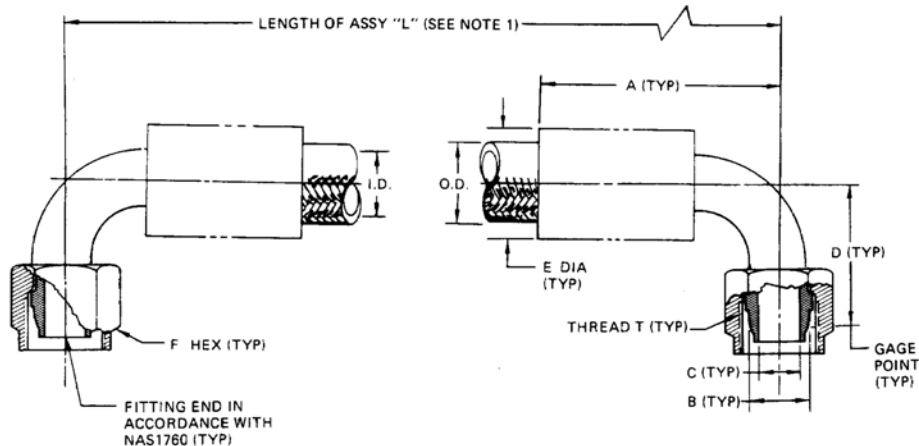


FIGURE 1

TABLE I

| HOSE ASSEMBLY NO. AND SIZE CODE | HOSE ASSY. SIZE (REF) | THREAD T PER MILS-8879 (REF) | A MAX | B GAGE DIA BASIC | C MIN DIA THRU 4 | D    |      | E MAX | F HEX ACROSS FLATS (REF) | HOSE I.D. MIN. | HOSE O.D. |      |
|---------------------------------|-----------------------|------------------------------|-------|------------------|------------------|------|------|-------|--------------------------|----------------|-----------|------|
|                                 |                       |                              |       |                  |                  | MIN  | MAX  |       |                          |                | MIN.      | MAX. |
| AS1488E                         | 1/4                   | .4375-20 UNJF-3B             | 1.52  | .2830            | .174             | .62  | .70  | .67   | .56                      | .199           | .34       | .37  |
| AS1488G                         | 3/8                   | .5625-18 UNJF-3B             | 1.85  | .4120            | .291             | .82  | .90  | .82   | .69                      | .310           | .47       | .50  |
| AS1488H                         | 1/2                   | .7500-16 UNJF-3B             | 2.18  | .5600            | .408             | .96  | 1.04 | 1.03  | .88                      | .396           | .59       | .62  |
| AS1488J                         | 5/8                   | .8750-14 UNJF-3B             | 2.45  | .6730            | .495             | 1.18 | 1.26 | 1.18  | 1.00                     | .610           | .79       | .82  |
| AS1488K                         | 3/4                   | 1.0625-12 UNJF-3B            | 2.74  | .8100            | .646             | 1.31 | 1.39 | 1.47  | 1.25                     | .735           | .91       | .94  |
| AS1488M                         | 1                     | 1.3125-12 UNJF-3B            | 3.30  | 1.0620           | .898             | 1.67 | 1.75 | 1.75  | 1.50                     | .985           | 1.16      | 1.19 |

TABLE II

| 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 50 INCHES      | (NOT LESS THAN) .500 INCH  | (PLUS OR MINUS) .500 INCH  |
| OVER 50 INCHES       | (NOT LESS THAN) 1.000 INCH | (PLUS OR MINUS) 1 PER CENT |

TABLE III

| HOSE SIZE (REF) | MAXIMUM WEIGHTS |                            |
|-----------------|-----------------|----------------------------|
|                 | HOSE LBS/INCH   | 90° END FITTING (LBS) EACH |
| 04              | .003            |                            |
| 06              | .005            |                            |
| 08              | .008            |                            |
| 10              | .010            |                            |
| 12              | .014            |                            |
| 16              | .018            |                            |

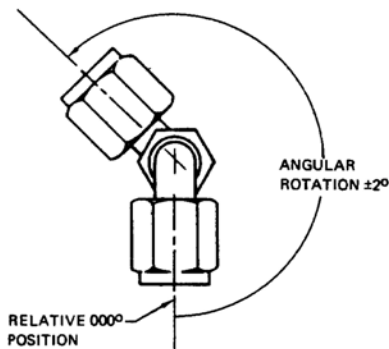


FIGURE II 3

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS1488>

THIRD ANGLE PROJECTION

