

REV. A

SAE AS1541

FEDERAL SUPPLY CLASS  
4720

RATIONALE

AS1541A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

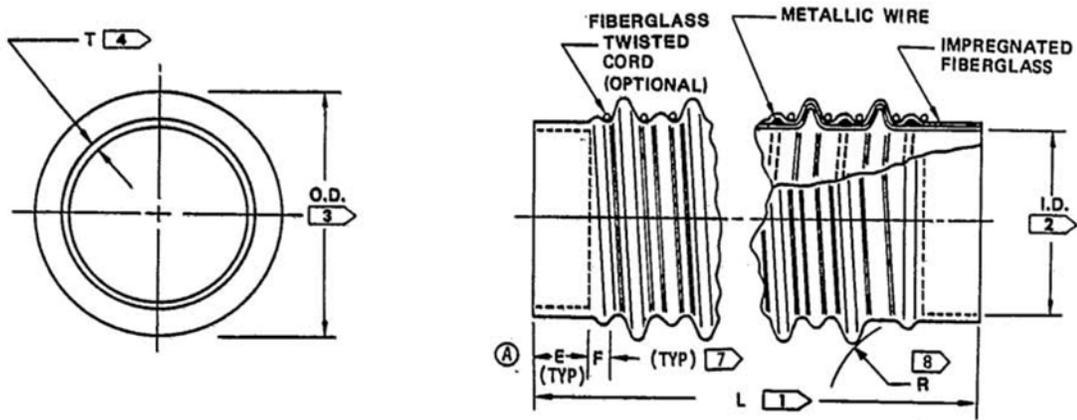


TABLE I

① TABULATION OF OPERATING PRESSURE AND PART NUMBER GRADE

| GRADE | TYPE (OPERATING TEMPERATURE) | OPERATING PRESSURE RATING (PSI)<br>(3 PSI NEGATIVE TO POSITIVE PRESSURE LISTED BELOW) ⑤ |    |    |    |    |   |
|-------|------------------------------|-----------------------------------------------------------------------------------------|----|----|----|----|---|
|       |                              | HOSE INSIDE DIAMETER (INCHES)                                                           |    |    |    |    |   |
|       |                              | 1                                                                                       | 2  | 3  | 4  | 5  | 6 |
| A ⑥   | I                            | 50                                                                                      | 35 | 20 | 15 | 10 | 5 |
| B ⑥   | II                           |                                                                                         |    |    |    |    |   |

TABLE II

TABULATION OF HOSE LENGTH SPECIFICATIONS

| I.D.<br>HOSE INSIDE<br>DIAMETER - INCH | L- HOSE LENGTH (INCHES) |         | E<br>SOFT END LENGTH<br>(INCHES) +0.12 | F<br>WIRE TERMINATION<br>LENGTH (MAX) (INCH) |
|----------------------------------------|-------------------------|---------|----------------------------------------|----------------------------------------------|
|                                        | MINIMUM                 | MAXIMUM |                                        |                                              |
| 0.50 TO 3.00                           | 5.00                    | 120.00  | 1.50                                   | 0.50                                         |
| 3.25 TO 6.00                           | 6.00                    | 120.00  | 1.50                                   | 0.75                                         |

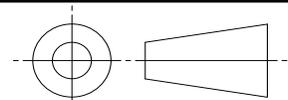
TABLE III

TABULATION OF AVAILABLE HOSE LENGTH INCREMENTS AND TOLERANCES

| L- HOSE LENGTH (INCHES) | AVAILABLE LENGTH INCREMENT (INCH) | L- LENGTH TOLERANCE |
|-------------------------|-----------------------------------|---------------------|
| 5.00 TO 48.00           | 1.00                              | +1.00 -0.00         |
| 48.00 TO 120.00         | 1.00                              | +1.50 -0.00         |

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS1541A>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS1501

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

HOSE, AIR DUCT, FLEXIBLE, HELICAL CONVOLUTED, METALLIC WIRE SUPPORTED (COVERED), SELF EXTINGUISHING

**SAE AS1541**  
SHEET 1 OF 2

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ISSUED 1978-11 REVISED 1986-03 REAFFIRMED 2013-01