

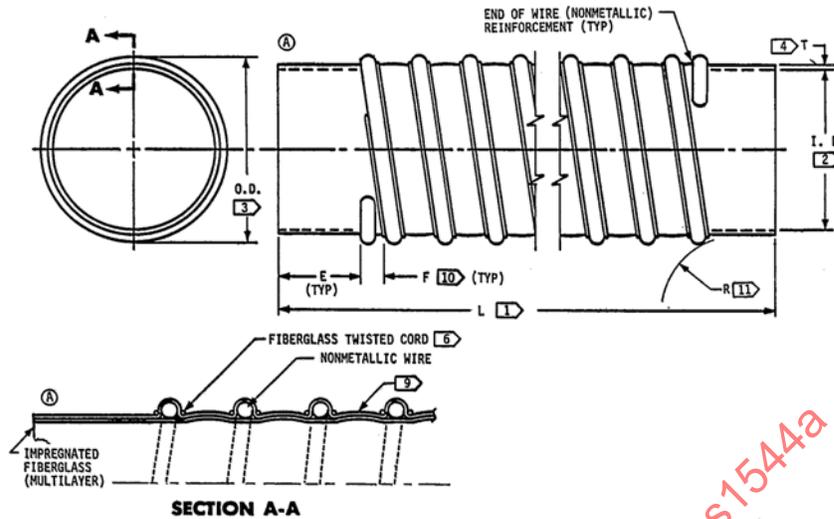
REV. A

SAE AS1544

RATIONALE

FEDERAL SUPPLY CLASS
4720

AS1544A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.



SECTION A-A

TABLE I
TABULATION OF OPERATING PRESSURE AND PART NUMBER GRADE

| GRADE | TYPE (OPERATING TEMPERATURE) | OPERATING PRESSURE RATING (PSI) (1 PSI NEGATIVE TO POSITIVE PRESSURE LISTED BELOW) | | | | | |
|-------|------------------------------|---|---|---|---|---|---|
| | | HOSE INSIDE DIAMETER (INCHES) | | | | | |
| A | I | 1 | 2 | 3 | 4 | 5 | 6 |
| | | 9 | 5 | 4 | 3 | 2 | 1 |

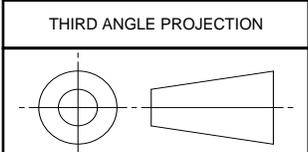
TABLE II
TABULATION OF HOSE LENGTH SPECIFICATIONS

| I.D. HOSE INSIDE DIAMETER - INCH | L - HOSE LENGTH (INCHES) | | E SOFT END LENGTH (INCHES) ±0.12 | F WIRE TERMINATION LENGTH (MAX) (INCH) |
|----------------------------------|--------------------------|---------|----------------------------------|--|
| | MINIMUM | MAXIMUM | | |
| 0.75 TO 2.75 | 5.00 | 144.00 | 1.25 | 0.50 |
| 3.00 TO 6.00 | 6.00 | 144.00 | 1.25 | 0.75 |

TABLE III
TABULATION OF AVAILABLE HOSE LENGTH INCREMENTS AND TOLERANCES

| L - HOSE LENGTH (INCHES) | AVAILABLE LENGTH INCREMENT (INCH) | L - LENGTH TOLERANCE (INCH) |
|--------------------------|-----------------------------------|-----------------------------|
| 5.00 TO 36.00 | 0.25 | ±0.12 OR 1% |
| 36.50 TO 60.00 | 0.50 | 1% |
| 61.00 TO 144.00 | 1.00 | 1% |

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS1544A>



CUSTODIAN: G-3/G-3D

PROCUREMENT SPECIFICATION: AS1501

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

HOSE, AIR DUCT, FLEXIBLE, HELICAL, NONMETELLIC WIRE SUPPORTED (COVERED), SILICONE RUBBER, SELF EXTINGUISHING

SAE AS1544
SHEET 1 OF 2

REV. A

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