

AS1503

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RATIONALE

FED. SUP. CL.
4720

THIS DOCUMENT HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE 5-YEAR REVIEW POLICY.

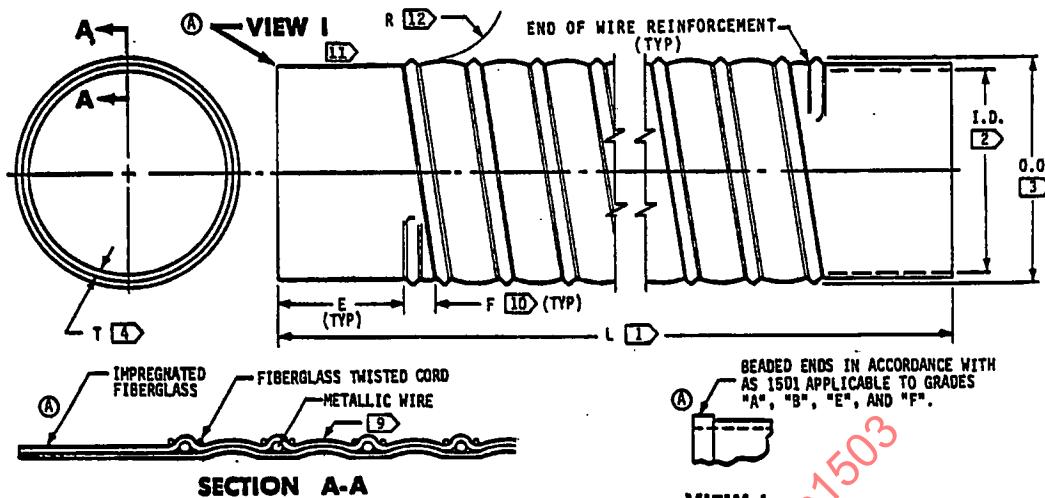


TABLE I

(A)

TABULATION OF OPERATING PRESSURE AND PART NUMBER GRADES 5

GRADE	TYPE (OPERATING TEMPERATURE)	OPERATING PRESSURE RATING (PSI) (5 PSI NEGATIVE TO POSITIVE PRESSURE LISTED BELOW) /5/											
		HOSE INSIDE DIAMETER (INCHES)											
		1	2	3	4	5	6	7	8	9	10	11	12
A 6	I	44	30	22	16	12	10	8	6	5	4	3	3
B 6	II												
C 7	I	22	15	11	8	6	5	4	3	2	2	2	2
D 7	II												
E 8	I	75	50	40	30	25	20						
F 8	II												

TABLE II
TABULATION OF HOSE LENGTH SPECIFICATIONS

I.D. HOUSE INSIDE DIAMETER (INCH)	L- HOSE LENGTH (INCHES)			E SOFT END LENGTH INCHES ± 0.12	F WIRE TERMINATION LENGTH (MAX.) (INCH)
	GRADES A, B, E, & F MINIMUM	GRADES "C" AND "D" MINIMUM	ALL GRADES MAXIMUM		
0.75 TO 1.75	5.25	4.50	120.00	1.50	0.50
2.00 TO 12.00	6.00	5.00	180.00	1.50	0.75

TABLE III
TABULATION OF AVAILABLE HOSE LENGTH, INCREMENTS AND TOLERANCES

L- HOSE LENGTH (INCHES)	AVAILABLE LENGTH INCREMENT (INCH)	L- HOSE LENGTH TOLERANCE (INCH)
5.00 TO 36.00	0.25	± 0.12 OR 1% IF GREATER
36.50 TO 60.00	0.50	$\pm 1\%$
61.00 TO 180.00	1.00	$\pm 1\%$

SHEET	1	2
REV.	A	A

SHEET COMPLETELY REVISED

CUSTODIAN: SAE G-3/G-3D PROCUREMENT SPECIFICATION: AS 1501

SAE Aerospace
 An SAE International Group

AEROSPACE STANDARD

HOSE, AIR DUCT, FLEXIBLE, HELICAL METALLIC WIRE,
SUPPORTED (COVERED) SELF EXTINGUISHING**AS1503**

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