

FEDERAL SUPPLY CLASS

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AS1722

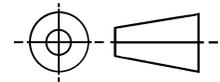
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THIRD ANGLE PROJECTION



ISSUED 1982-10 REAFFIRMED 2000-11 CANCELLED 2003-03

CUSTODIAN: SAE G-3/G-3D

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AEROSPACE STANDARD

HOSE, POLYTETRAFLUOROETHYLENE (TFE), LIGHT-WEIGHT HIGH TEMPERATURE AND HIGH PRESSURE (3000 PSIG) WITH INTEGRAL FIRE PROTECTION

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SHEET 1 OF 4

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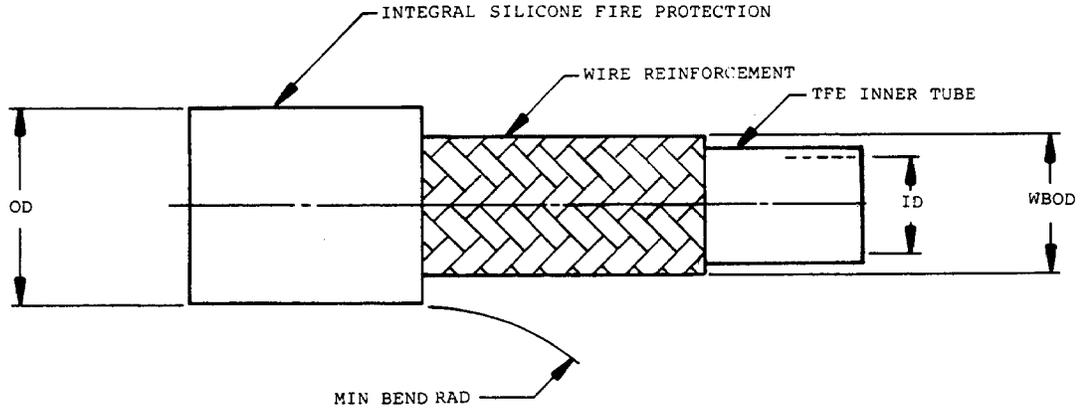


TABLE I A - DIMENSIONS AND WEIGHT

HOSE SIZE (REF)	ID INSIDE DIA TUBE-INCH		WBOD OUTSIDE DIA BRAIDED -INCH		OD OUTSIDE DIA COVER-INCH		HOSE WEIGHT LBS/IN
	MIN	MAX	MIN	MAX	MIN	MAX	
-4	.212	.232	.360	.390	.600	.660	.019
-6	.298	.318	.455	.490	.685	.745	.027
-8	.391	.411	.585	.615	.835	.895	.035
-10	.485	.505	.690	.730	.945	1.005	.047
-12	.602	.632	.950	.990	1.160	1.220	.079
-16	.852	.882	1.230	1.270	1.455	1.515	.117

TABLE I B - DIMENSIONS AND WEIGHT (SI)

HOSE SIZE (REF)	ID INSIDE DIA TUBE-mm		WBOD OUTSIDE DIA BRAIDED-mm		OD OUTSIDE DIA COVER-mm		HOSE WEIGHT kg/M
	MIN	MAX	MIN	MAX	MIN	MAX	
-4	5.38	5.89	9.14	9.91	15.24	16.76	.339
-6	7.57	8.08	11.56	12.45	17.40	18.92	.482
-8	9.93	10.44	14.86	15.62	21.21	22.73	.625
-10	12.32	12.83	17.53	18.54	24.00	25.53	.839
-12	15.29	16.05	24.13	25.15	29.46	30.99	1.411
-16	21.64	22.40	31.24	32.26	36.96	38.48	2.090

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TABLE II A - PERFORMANCE REQUIREMENTS (REF)

HOSE SIZE (REF)	OPERATING PRESSURE PSIG-MAX	PROOF PRESSURE PSIG-MIN.	BURST PRESSURE -MIN		MIN BEND RAD INCH
			ROOM TEMP PSIG	400°F (204°C) PSIG	
-4	3000	6000	16000	12000	1.50
-6	3000	6000	14000	10500	2.50
-8	3000	6000	14000	10500	2.88
-10	3000	6000	12000	9000	3.25
-12	3000	6000	12000	9000	4.00
-16	3000	6000	12000	9000	5.00

TABLE II B - PERFORMANCE REQUIREMENTS (SI) (REF)

HOSE SIZE (REF)	OPERATING PRESSURE kPa -MAX.	PROOF PRESSURE kPa -MIN.	BURST PRESSURE -MIN		MIN BEND RAD mm
			ROOM TEMP kPa	(204°C) 400°F kPa	
-4	20684	41369	110316	82737	38.1
-6	20684	41369	96527	72395	63.5
-8	20684	41369	96527	72395	73.2
-10	20684	41369	82737	62053	82.6
-12	20684	41369	82737	62053	101.6
-16	20684	41369	82737	62053	127.0

TABLE III A - PERCENT OF SHIPMENT IN LENGTH RANGES SHOWN /4/

HOSE SIZE (REF)	3 TO 14 FT INCLUSIVE	OVER 14 FEET
-4 THRU -8	35%	65%
-10 THRU -16	45%	55%

TABLE III B - PERCENT OF SHIPMENT IN LENGTH RANGES SHOWN (SI) /4/

HOSE SIZE (REF)	.91 TO 4.27 METERS INCLUSIVE	OVER 4.27 METERS
-4 THRU -8	35%	65%
-10 THRU -16	45%	55%