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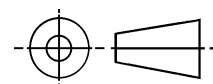
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THIRD ANGLE PROJECTION



ISSUED 1981-09 REAFFIRMED 2000-11 CANCELLED 2003-03

CUSTODIAN: SAE G-3

SAE Aerospace
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AEROSPACE STANDARD

HOSE, POLYTETRAFLUOROETHYLENE (TFE),
LIGHTWEIGHT 3,000 PSI, HIGH TEMPERATURE,
HYDRAULIC AND PNEUMATIC

AS1624
SHEET 1 OF 4

**REV.
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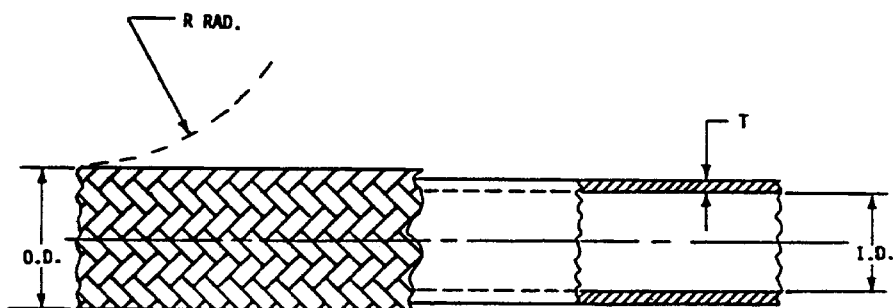


TABLE I A - DIMENSIONS AND WEIGHT

HOSE SIZE (REF)	I.D. INSIDE DIA. BRAIDED - INCH		O.D. OUTSIDE DIA. BRAIDED - INCH		T WALL THICKNESS, UNBRAIDED - INCH		HOSE WEIGHT LBS/IN.
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
04	.217	.232	.360	.390	.035	.046	.009
06	.298	.318	.455	.490	.035	.046	.015
08	.391	.411	.585	.615	.040	.051	.020
10	.485	.505	.690	.730	.045	.056	.027
12	.607	.632	.950	.990	.045	.056	.055
16	.852	.882	1.230	1.270	.045	.056	.085

TABLE I B - DIMENSIONS AND WEIGHT (SI)

HOSE SIZE (REF)	I.D. INSIDE DIA. BRAIDED - MM		O.D. OUTSIDE DIA. BRAIDED - MM		T WALL THICKNESS, UNBRAIDED - MM		HOSE WEIGHT Kg/M MAX.
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
04	5.3P	5.80	9.14	9.91	.89	1.17	.161
06	7.57	8.06	11.56	12.45	.89	1.17	.268
08	9.93	10.44	14.86	15.62	1.02	1.30	.357
10	12.32	12.83	17.53	18.54	1.14	1.42	.482
12	15.29	16.05	24.13	25.15	1.14	1.42	.821
16	21.64	22.40	31.24	32.26	1.14	1.42	1.518

TABLE II A - PERFORMANCE REQUIREMENTS (REF)

HOSE SIZE (REF)	OPERATING PRESSURE MAX. PSI	PROOF PRESSURE MIN. PSI	BURST PRESS - MIN.		R MIN. INSIDE BEND RAD. IN.
			ROOM TEMP. PSI	400°F (204°C) PSI	
04	3,000	6,000	16,000	12,000	1.50
06	3,000	6,000	14,000	10,500	2.50
08	3,000	6,000	14,000	10,500	2.88
10	3,000	6,000	12,000	9,000	3.25
12	3,000	6,000	12,000	9,000	4.00
16	3,000	6,000	12,000	9,000	5.00

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