



**TYPICAL MANHOLE  
SECTION JOINT DETAIL**

**GENERAL NOTES:**

1. BUTYL RUBBER SECTION JOINT DESIGN CONFORMS TO LATEST ASTM C-478 SPECIFICATIONS.
2. BUTYL RUBBER SEALANT CONFORMS TO ASTM C-990, AASHTO M-198, AND FEDERAL SPECIFICATIONS SS-S-00210 (210-A).
3. MANUFACTURER LITERATURE AVAILABLE UPON REQUEST.

MANHOLE DIAMETER	WALL THICKNESS	JOINT DEPTH	BUTYL SIZE	ANNULAR AREA OF JOINT	BUTYL RUBBER AREA	% OF FILL IN JOINT	LF OF BUTYL RUBBER	NO. OF BUTYL ROLLS
48"	5"	4"	1"	0.531	0.785	148	14.5	1
60"	6"	4-3/4"	1-1/4"	0.893	1.23	138	17.5	1.5
72"	7"	6"	1-1/2"	1.5	1.77	118	20.5	2
84"	7"	5"	1"	0.625	0.785	126	24.0	2
96"	8"	5"	1"	0.496	0.785	167	27.5	2
120"	10"	4-3/4"	2"	2.5	3.14	126	34.5	4