

## RESTRAINED JOINT TABLE FOR REDUCERS

Minimum length to be restrained on large size side of reducer (Feet):

PVC Pipe (in.)	Reducer Small Size (In.)													
	3	4	6	8	10	12	14	16	18	20	24	30	36	42
3														
4	13													
6	36	28												
8	57	50	30											
10	73	68	52	28										
12	90	86	72	52	29									
14	105	101	90	73	53	29								
16	120	117	107	93	75	54	29							
18	134	132	123	110	95	76	54	29						
20	148	146	138	126	113	96	77	54	29					
24	175	173	166	157	146	132	116	98	77	54				
30	211	209	204	197	188	178	165	151	135	117	75			
36	245	244	240	234	227	218	208	197	184	169	136	75		

Not Recommended

D.I. Pipe (in.)	Reducer Small Size (In.)													
	3	4	6	8	10	12	14	16	18	20	24	30	36	42
3														
4	8													
6	23	18												
8	36	32	19											
10	47	44	33	18										
12	57	55	46	34	19									
14	67	64	57	47	34	19								
16	76	74	68	59	48	34	19							
18	85	84	78	70	60	48	34	19						
20	94	92	87	80	72	61	49	34	18					
24	111	109	105	99	92	84	74	62	49	34				
30	134	133	129	125	119	113	105	96	85	74	48			
36	155	154	152	148	144	138	132	125	116	107	86	48		
42	175	174	172	169	165	161	155	149	142	135	117	85	46	
48	193	193	191	188	185	182	177	172	166	160	145	118	84	46

Table is based upon Class II soil types SP, trench type 4, 150 psi testing pressure, a safety factor of 1.5, and an assumed minimum cover of 3'. This table was derived from EBAA Iron, Inc. Restrained Length Calculation Program. For evaluation of other criteria, use this or other similar programs.

**COMMON PANEL 3C**

**BERKELEY COUNTY WATER AND SANITATION  
POTABLE WATER & SANITARY SEWER STANDARDS**