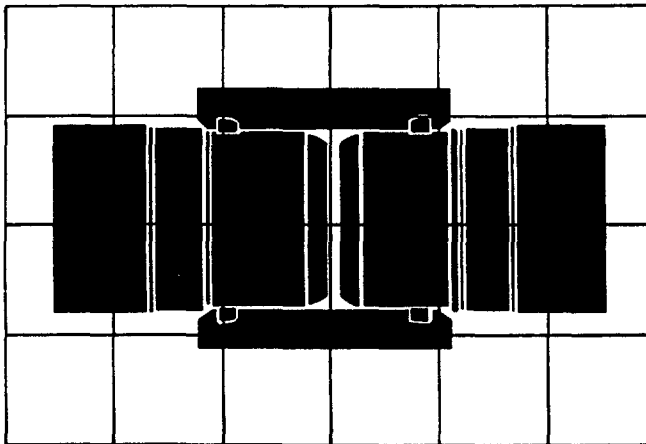


CertainTeed 

AC Non-Pressure Sewer Pipe Couplings & Fittings

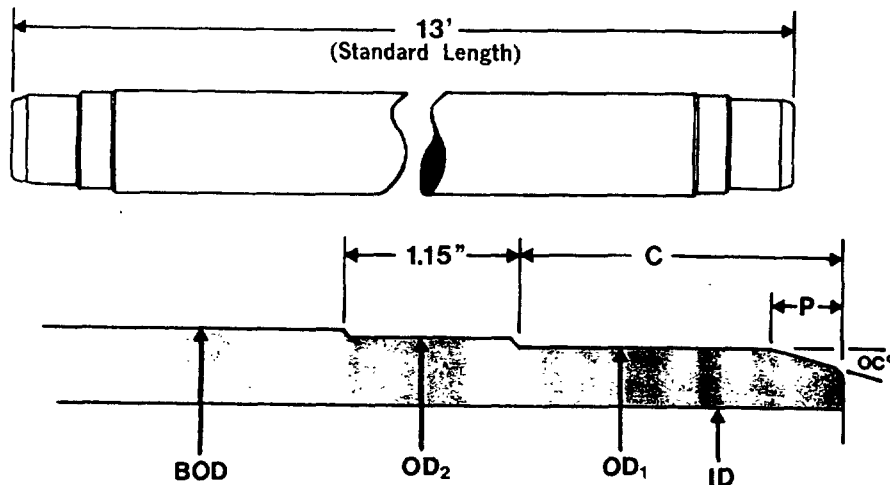


engineering
drawings &
dimensions

CTD005793

Standard, Random & Half Length (MEO)

Non-Pressure Sewer Pipe



Dimensions

Nominal Pipe Size	Nom. I.D."	O.D. ₁ "	O.D. ₂ "	C"	P"	OC
8"	8.00	8.80	8.96	2.44	.50	16
10"	10.00	10.89	11.05	2.81	.62	16
12"	12.00	12.99	13.15	2.81	.62	16
14"	14.00	15.07	15.26	3.19	.68	18
15"	15.00	16.11	16.30	3.19	.68	18
16"	16.00	17.15	17.34	3.19	.68	18
18"	18.00	19.23	19.48	3.81	.75	20
20"	20.00	21.29	21.54	3.81	.75	20
21"	21.00	22.37	22.62	3.81	.75	20
24"	24.00	25.51	25.76	3.81	.75	20

B.O.D."

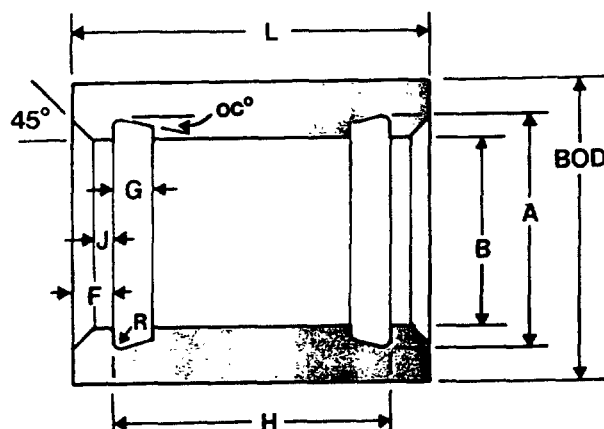
Pipe Size	Class 1500	Class 2400	Class 3300	Class 4000	Class 5000	Class 6000	Class 7000
8"	9.00	9.06	9.24				
10"	11.14	11.14	11.30	11.45	11.58		
12"	13.24	13.24	13.46	13.54	13.70		
14"	15.32	15.32	15.50	15.64	15.84		
15"	16.36	16.36	16.56	16.72	16.94		
16"	17.42	17.42	17.60	17.74	17.98		
18"		19.60	19.80	20.00	20.20	20.43	20.63
20"		21.66	21.88	22.10	22.32	22.55	22.77
21"		22.74	22.94	23.18	23.40	23.63	23.85
24"		25.88	26.12	26.36	26.60	26.79	27.03

Subject to Manufacturing Tolerances

Note: Some pipe sizes are not readily available from stock. To better service your requirements, please contact your local CertainTeed Sales Distributor or CertainTeed Sales Representative for availability.

CTD005794

Non-Pressure Fluid-Tite® Coupling



Dimensions

Nominal Coupling Size	A"	B"	H"	L"	F"	G"	R"	J"	OC°
8"	9.55	8.89	4.00	5.75	.75	.62	.20	.50	18
10"	11.64	11.00	4.75	6.50	.75	.62	.20	.50	18
12"	13.74	13.10	4.75	6.50	.75	.62	.20	.50	18
14"	16.07	15.19	5.57	7.25	.75	.78	.20	.50	18
15"	17.11	16.23	5.57	7.25	.75	.78	.20	.50	18
16"	18.15	17.27	5.57	7.25	.75	.78	.20	.50	18
18"	20.48	19.36	6.50	8.25	.75	1.00	.25	.63	12
20"	22.54	21.42	6.50	8.25	.75	1.00	.25	.63	12
21"	23.62	22.50	6.50	8.25	.75	1.00	.25	.63	12
24"	26.70	25.64	6.50	8.25	.75	1.00	.25	.63	12

B.O.D."

Pipe Size	Class 1500	Class 2400	Class 3300	Class 4000	Class 5000	Class 6000	Class 7000
8"	10.50	10.50	10.59				
10"	12.75	12.75	12.75	13.00	13.00		
12"	15.00	15.00	15.00	15.24	15.24		
14"	17.15	17.15	17.15	17.48	17.48		
15"	18.26	18.26	18.26	18.61	18.61		
16"	19.31	19.31	19.31	19.68	19.68		
18"		21.63	21.63	22.09	22.09	22.47	22.47
20"		23.81	23.81	24.15	24.15	24.67	24.67
21"		24.96	24.96	25.26	25.26	25.81	25.81
24"		28.22	28.22	28.69	28.69	29.15	29.15

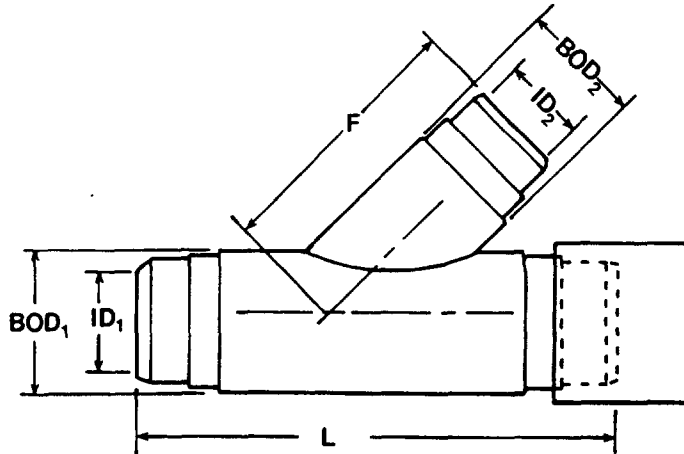
Subject to Manufacturing Tolerances

Note: Some pipe sizes are not readily available from stock. To better service your requirements, please contact your local CertainTeed Sales Distributor or CertainTeed Sales Representative for availability.

CTD005795

Branch Lengths (F Dim.)
(For CL 2400 Heavy and Extra Heavy)
& CL 6000/7000

60° Wye Fitting



For Pipe Class	Use Fitting Class
1500-2400	2400
1500-2400-3300	Heavy
4000-5000	Extra Heavy
6000-7000	6000/7000

BRANCH PIPE LAYING LENGTH (F DIMENSION)													
Main Pipe Size, In.	4"	5"	6"	8"	10"	12"	14"	15"	16"	18"	20"	21"	24"
8 x 8	13.00	12.75	12.25	14.00									
10 x 10	14.00	13.75	13.50	14.75	16.25								
12 x 12	15.25	15.00	14.75	18.00	16.25	18.25							
14 x 14	16.50	16.00	15.75	17.25	17.25	19.00	20.25						
15 x 15	17.30	17.70	18.70	19.80	20.70	22.10	23.30	23.30					
16 x 16	17.50	17.25	17.00	18.25	18.50	20.00	21.50	22.00	23.25				
18 x 18	18.75	18.50	18.00	19.50	19.50	21.25	22.50	23.00	24.00	25.25			
20 x 20	20.00	19.50	19.25	20.50	20.75	22.25	23.75	24.25	25.25	26.00	27.50		
21 x 21	20.70	21.10	21.60	23.20	24.10	25.50	26.70	27.10	27.60	28.90	29.30	29.60	
24 x 24	22.25	22.00	21.50	23.00	23.00	24.75	26.00	26.50	27.50	28.50	28.50	27.50	31.00

Main and Branch Pipe Size, Inches	Nom. I.D. ₁ " I.D. ₂ "	B.O.D. ₁ " , B.O.D. ₂ "			
		All Classes	2400	Heavy	Extra Heavy B.O.D. 6000/7000
8	8.00		9.06	9.24	—
10	10.00		11.14	11.30	11.58
12	12.00		13.24	13.46	13.70
14	14.00		15.32	15.50	15.84
15	15.00		16.36	16.56	16.94
16	16.00		17.42	17.60	17.98
18	18.00		19.60	19.80	20.20
20	20.00		21.66	21.88	22.32
21	21.00		22.74	22.94	23.40
24	24.00		25.88	26.12	26.60
					27.03

Branch Size Inches	I.D. ₂ "	B.O.D. ₂ "
	All Classes	All Classes
4	4.00	4.87
5	5.00	5.98
6	6.00	7.04

A/C Pipe Main Length		
Main Size Inches	Branch Size Inches	L"
8 thru 16	4 thru 16	39
18 thru 24	4 thru 12	39
18 thru 24	14 thru 21	52
24	24	78

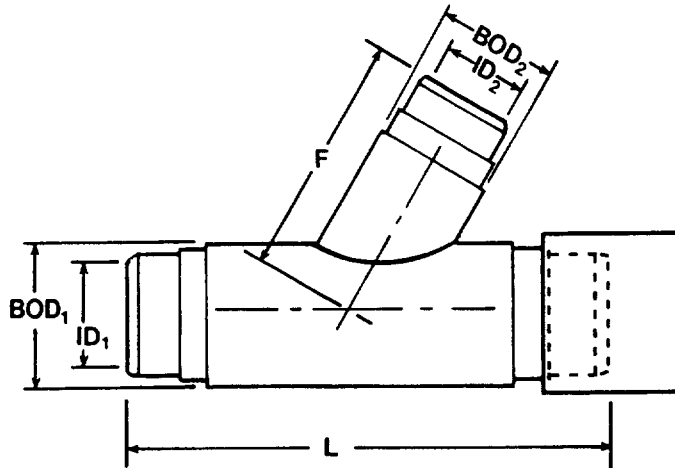
All dimensions subject to manufacturing tolerances.

Note: Some fittings are not readily available from stock. To better service your requirements, please contact your local CertainTeed Sales Distributor or CertainTeed Sales Representative for availability.

CTD005796

45° Wye Fitting

Branch Lengths (F Dim.)
(For CL 2400 Heavy and Extra Heavy)
& CL 6000/7000



For Pipe Class	Use Fitting Class
1500-2400	2400
1500-2400-3300	Heavy
4000-5000	Extra Heavy
6000-7000	6000/7000

BRANCH PIPE LAYING LENGTH (F DIMENSION)

Main Pipe Size, In.	4"	5"	6"	8"	10"	12"	14"	15"	16"	18"	20"	21"	24"
8 x 8	14.00	14.00	16.25	19.00									
10 x 10	15.25	15.50	17.75	19.50	21.75								
12 x 12	16.75	17.75	19.00	20.75	22.75	23.50							
14 x 14	18.25	18.25	20.50	23.25	24.00	23.75	27.25						
15 x 15	21.40	21.90	22.30	24.80	26.30	28.20	29.70	29.70					
16 x 16	19.50	19.75	22.00	23.75	25.25	25.00	28.50	29.50	31.25				
18 x 18	21.00	21.00	23.25	25.00	26.75	26.50	29.75	29.75	31.25	34.25			
20 x 20	22.25	22.50	24.75	26.50	28.25	27.75	31.25	31.25	32.75	35.25	37.25		
21 x 21	25.70	26.10	26.60	29.00	30.50	32.50	33.90	34.20	35.10	36.80	37.80	38.10	
24 x 24	25.25	25.50	27.50	29.50	31.00	30.75	34.00	34.00	35.50	37.50	39.75	39.00	41.75

Main and Branch Pipe Size, Inches	Nom. I.D.1" All Classes	B.O.D.1", B.O.D.2"			
		2400	Heavy	Extra Heavy	B.O.D. 6000/7000
8	8.00	9.06	9.24	—	
10	10.00	11.14	11.30	11.58	
12	12.00	13.24	13.46	13.70	
14	14.00	15.32	15.50	15.84	
15	15.00	16.36	16.56	16.94	
16	16.00	17.42	17.60	17.98	
18	18.00	19.60	19.80	20.20	20.63
20	20.00	21.66	21.88	22.32	22.77
21	21.00	22.74	22.94	23.40	23.85
24	24.00	25.88	26.12	26.60	27.03

Branch Size Inches	I.D.2" All Classes	B.O.D.2" All Classes
4	4.00	4.87
5	5.00	5.98
6	6.00	7.04

A/C Pipe Main Length

Main Size Inches	Branch Size Inches	L"
8 thru 16	4 thru 16	39
18 thru 24	4 thru 12	39
18 thru 24	14 thru 21	52
24	24	78

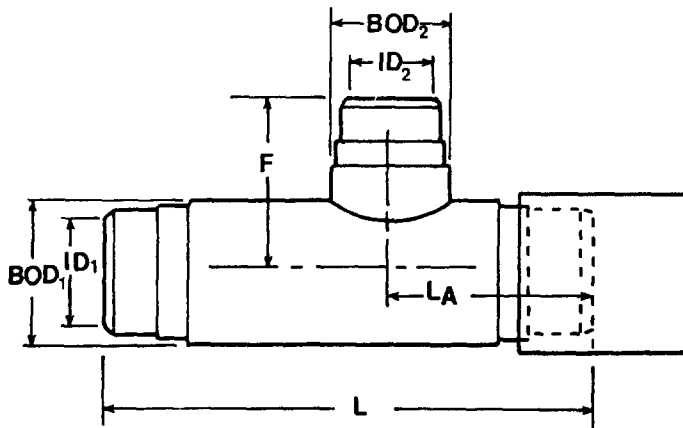
All dimensions subject to manufacturing tolerances.

Note: Some fittings are not readily available from stock. To better service your requirements, please contact your local CertainTeed Sales Distributor or CertainTeed Sales Representative for availability.

CTD005797

Branch Lengths (F Dim.)
(For CL 2400 Heavy and Extra Heavy)
& CL 6000/7000

Tee Fitting



For Pipe Class	Use Fitting Class
1500-2400	2400
1500-2400-3300	Heavy
4000-5000	Extra Heavy
6000-7000	6000/7000

L _a " — All Classes			
8 x 8 x 4	through	8 x 8 x 8	11.0
10 x 10 x 4	through	10 x 10 x 10	12.5
12 x 12 x 4	through	12 x 12 x 12	13.5
14 x 14 x 4	through	14 x 14 x 14	14.5
15 x 15 x 4	through	15 x 15 x 15	16.6
16 x 16 x 4	through	16 x 16 x 16	16.5
18 x 18 x 4	through	18 x 18 x 18	18.5
20 x 20 x 4	through	20 x 20 x 12	13.0
20 x 20 x 14	through	20 x 20 x 20	19.5
21 x 21 x 4	through	21 x 21 x 12	15.5
21 x 21 x 14	through	21 x 21 x 20	19.9
21 x 21 x 21			20.5
24 x 24 x 4	through	24 x 24 x 12	13.0
24 x 24 x 14	through	24 x 24 x 21	19.5
24 x 24 x 24			21.5

BRANCH PIPE LAYING LENGTH (F DIMENSION)

Main Pipe Size, In.	4"	5"	6"	8"	10"	12"	14"	15"	16"	18"	20"	21"	24"
8 x 8	8.75	8.75	10.25	10.25									
10 x 10	10.00	10.00	11.50	11.50	11.75								
12 x 12	11.00	11.00	12.50	12.50	12.75	12.75							
14 x 14	12.00	12.00	13.50	13.50	14.00	14.00	14.25						
15 x 15	14.50	14.50	14.50	15.60	15.60	16.10	16.60	16.60					
16 x 16	13.00	13.00	14.50	14.50	15.00	15.00	15.25	15.00	15.25				
18 x 18	14.25	14.25	15.75	15.75	16.25	16.25	16.50	16.25	16.50	17.25			
20 x 20	15.25	15.25	16.75	16.75	17.25	17.25	17.50	17.50	17.50	18.25	18.25		
21 x 21	17.90	17.90	17.90	19.00	19.00	19.50	20.00	20.00	20.00	20.50	20.50	20.50	
24 x 24	17.50	17.50	18.75	19.00	19.50	19.50	19.50	19.50	19.50	20.25	20.25	20.25	20.25

B.O.D. ₁ ", B.O.D. ₂ "					
Main and Branch Pipe Size, Inches	Nom. I.D. ₁ " I.D. ₂ "	All Classes	2400	Heavy	Extra Heavy
8	8.00		9.06	9.24	—
10	10.00		11.14	11.30	11.58
12	12.00		13.24	13.46	13.70
14	14.00		15.32	15.50	15.84
15	15.00		16.36	16.56	16.94
16	16.00		17.42	17.60	17.98
18	18.00		19.60	19.80	20.20
20	20.00		21.66	21.88	22.32
21	21.00		22.74	22.94	23.40
24	24.00		25.88	26.12	26.60
					27.03

Branch Size Inches	I.D. ₂ " All Classes	B.O.D. ₂ " All Classes
4	4.00	4.87
5	5.00	5.98
6	6.00	7.04

A/C Pipe Main Length		
Main Size Inches	Branch Size Inches	L"
8 thru 16	4 thru 16	39
18 thru 24	4 thru 12	39
18 thru 24	14 thru 21	52
24	24	78

All dimensions subject to manufacturing tolerances.

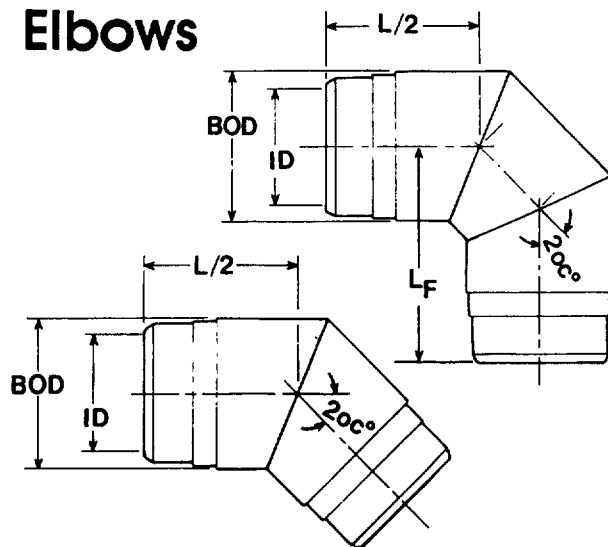
Note: Some fittings are not readily available from stock. To better service your requirements, please contact your local CertainTeed Sales Distributor or CertainTeed Sales Representative for availability.

CTD005798

Elbows 11 1/4°, 22 1/2° 30°, 45° & 90°

Increaser End Cap

Elbows

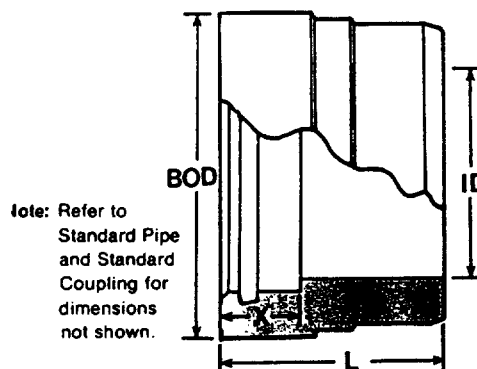


For Pipe Class	Use Fitting Class	All Pipe Sizes, All Classes	2 OC° Nom.
1500-2400	2400	11 1/4° Elbows	11 1/4°
1500-2400-3300	Heavy	22 1/2° Elbows	22 1/2°
4000-5000	Extra Heavy	30° Elbows	30°
6000-7000	6000/7000	45° Elbows	45°
		90° Elbows	45°

Pipe Size	Nom I.D., All Classes	B.O.D.				L/2	LF 90° Elbow
		2400	Heavy	Extra Heavy	6000/7000		
8"	8.00	9.06	9.24	—	—	9.75	16.47
10"	10.00	11.14	11.30	11.58	—	9.75	16.47
12"	12.00	13.24	13.46	13.70	—	9.75	16.47
14"	14.00	15.32	15.50	15.84	—	9.75	16.47
15"	15.00	16.36	16.56	16.94	—	9.75	16.29
16"	16.00	17.42	17.60	17.98	—	9.75	16.29
18"	18.00	19.60	19.80	20.20	20.63	19.50	32.58
20"	20.00	21.66	21.88	22.32	22.77	19.50	32.40
21"	21.00	22.74	22.94	23.40	23.85	19.50	32.40
24"	24.00	25.88	26.12	26.60	27.03	19.50	32.23

*Subject to Manufacturing Tolerances

Increaser

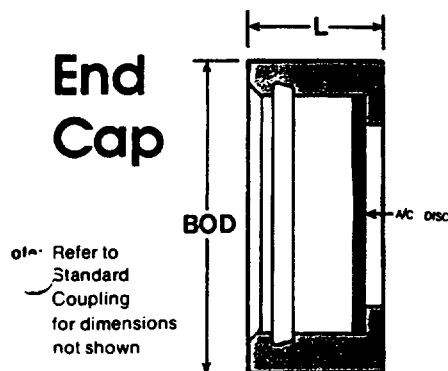


Note: Refer to Standard Pipe and Standard Coupling for dimensions not shown.

*Use 20 x 21 and 21 x 24 combination

Pipe Size A/C to A/C	Nom. I.D."	Ex. Hvy. B.O.D."	B.O.D. 6000/7000	L"	X"
6" to 8"	6.00	9.24	—	6.25	2.38
8" to 10"	8.00	11.58	—	6.75	2.88
10" to 12"	10.00	13.70	—	7.25	3.25
12" to 14"	12.00	15.84	—	7.75	3.25
12" to 15"	12.00	16.94	—	7.75	3.25
14" to 15"	14.00	17.48	—	8.25	3.63
14" to 16"	14.00	17.98	—	8.25	3.63
15" to 16"	15.00	18.61	—	8.25	3.63
15" to 18"	15.00	20.20	20.63	8.75	3.63
16" to 18"	16.00	20.20	20.63	8.75	3.63
18" to 20"	18.00	22.32	22.77	9.25	4.13
18" to 21"	18.00	23.40	23.85	9.25	4.13
20" to 21"	20.00	24.15	24.67	9.25	4.13
*20" to 24"	—	—	—	—	—
21" to 24"	21.00	26.60	—	9.25	4.13

End Cap



Note: Refer to Standard Coupling for dimensions not shown

Pipe Size	B.O.D.			B.O.D. Class 6000/7000	L"
	Class 2400	Heavy	Extra Heavy		
8"	10.50	10.59	—	—	4.00
10"	12.75	12.75	13.00	—	4.38
12"	15.00	15.00	15.24	—	4.63
14"	17.15	17.15	17.48	—	5.00
15"	18.26	18.26	18.61	—	5.00
16"	19.31	19.31	19.68	—	5.00
18"	21.63	21.63	22.09	22.47	5.75
20"	23.81	23.81	24.15	24.67	5.75
21"	24.96	24.96	25.26	25.81	5.75
24"	28.22	28.22	28.69	29.15	5.75

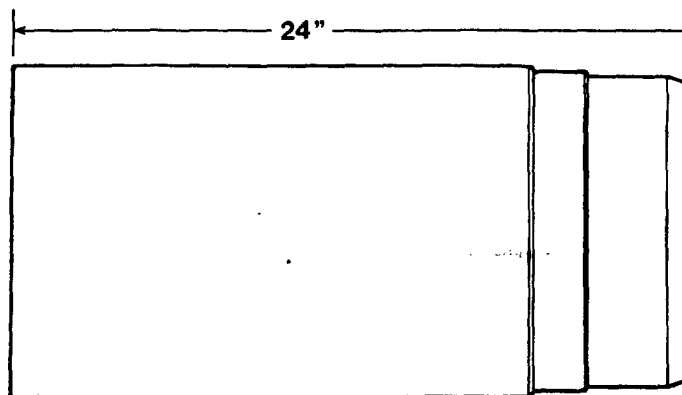
Note: Some fittings are not readily available from stock. To better service your requirements, please contact your local CertainTeed Sales Distributor or CertainTeed Sales Representative for availability.

CTD005799

Manhole Stub

Drop Manhole Section

Manhole Stub

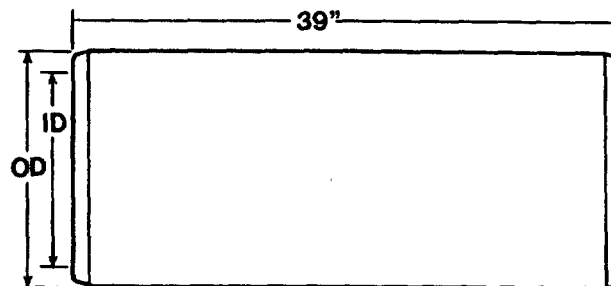


Note: 1. Refer to Standard Pipe for machined and unmachined dimensions not shown.
2. Available in all pipe sizes and classes comparable to standard pipe.

Drop Manhole Section

For Vertical Use Only

Pipe Size	Nom. I.D."	O.D."
6"	5.80	6.66
8"	7.80	8.80
10"	9.55	10.89
12"	11.45	12.99
14"	13.60	15.07
15"	14.45	16.11
16"	15.50	17.15



Note: Some fittings are not readily available from stock. To better service your requirements, please contact your local CertainTeed Sales Distributor or CertainTeed Sales Representative for availability.

CertainTeed

Pipe & Plastics Group

P.O. Box 860

Valley Forge, Pa. 19482

Printed in U.S.A.

Code No. 40-31-04

CTD005800