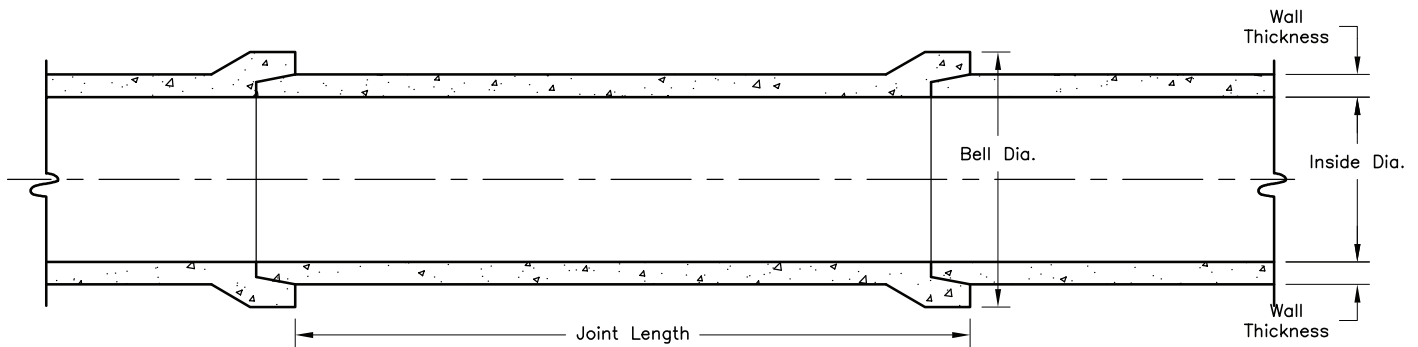


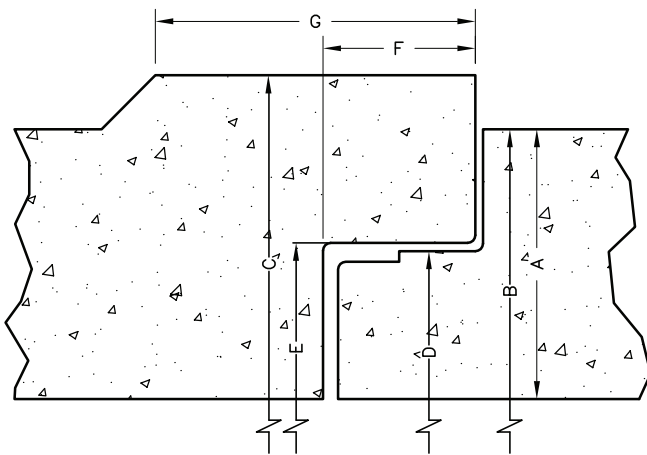
Section Isometric View
(For Reference Only)

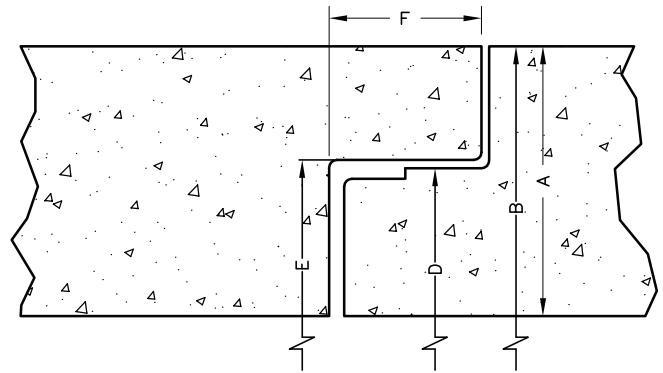


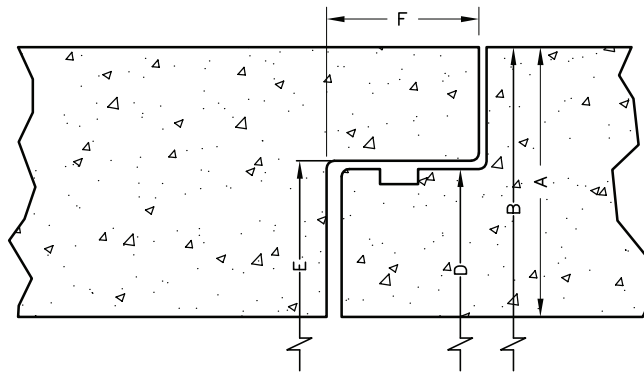
Assembled Cross Section

Inside Dia. (in.)	Bell Dia. (in.)	Wall Thickness (in.)	Joint Length (ft.)	Weight Per Foot (lbs./ft.)
12"	20.000"	2.75"	7.5'	135 lbs.
15"	23.875"	3.00"	7.5'	185 lbs.
18"	27.625"	2.50"	7.5'	192 lbs.
21"	31.625"	2.75"	7.5'	259 lbs.
24"	33.000"	3.00"	7.5'	276 lbs.
30"	39.000"	3.50"	8.0'	404 lbs.

Inside Dia. (in.)	Bell Dia. (in.)	Wall Thickness (in.)	Joint Length (ft.)	Weight Per Foot (lbs./ft.)
36"	45.500"	4.00"	8.0'	548 lbs.
42"	N/A	5.25"	8.0'	813 lbs.
48"	N/A	5.75"	8.0'	1000 lbs.
54"	N/A	6.25"	8.0'	1196 lbs.
60"	N/A	6.75"	8.0'	1485 lbs.
72"	N/A	7.75"	8.0'	2086 lbs.

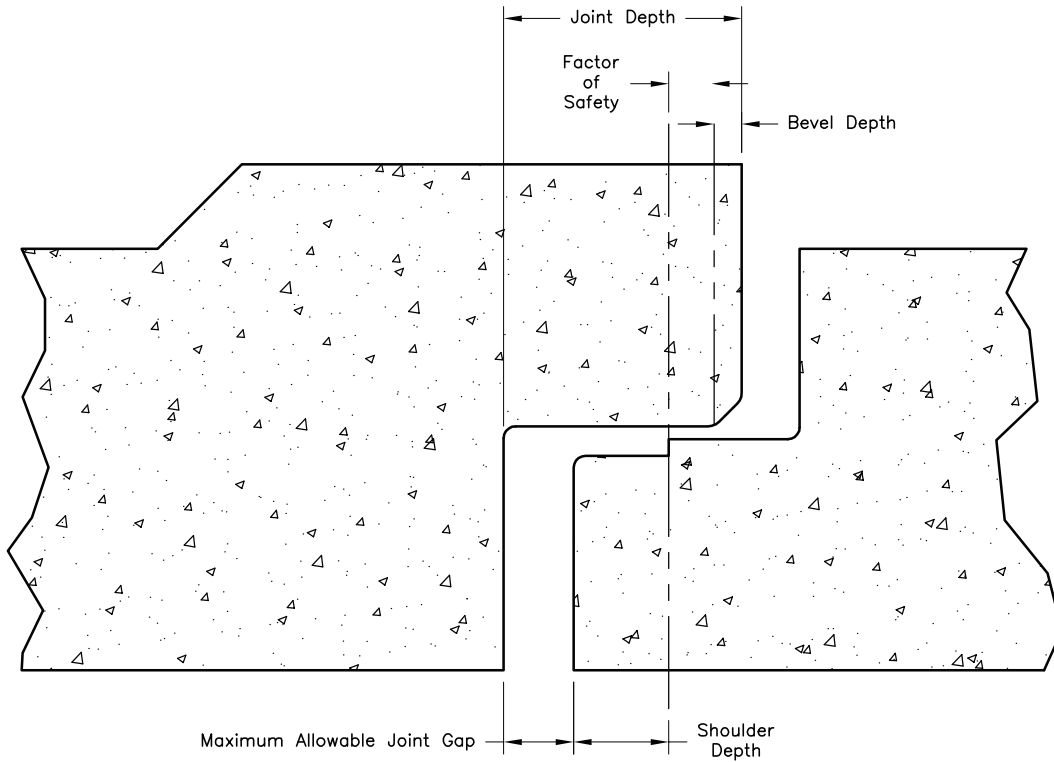

Profile Joint

 Concrete Pipe with Bell
 (12"–15"–18"–21"–24"–30"–36")

Profile Joint

 Concrete Pipe with Straight Wall
 (42"–48"–54"–60")

O-Ring Joint

 Concrete Pipe with Straight Wall
 (72")

Inside Dia. (in.)	Joint Type	Gasket Type	Wall Thickness A (in.)	Pipe O.D. B (in.)	Bell O.D. C (in.)	Spigot Joint Dia. D (in.)	Bell Joint Dia. E (in.)	Joint Depth F (in.)	Bell Length G (in.)
12"	Profile	125-4G	2.75"	17.50"	20.000"	15.230"	15.251"	3.563"	5.00"
15"	Profile	HK135TSS	3.00"	21.00"	23.875"	18.219"	18.751"	3.563"	5.50"
18"	Profile	HK135TSS	2.50"	23.00"	27.625"	21.844"	22.376"	3.750"	5.50"
21"	Profile	HK135TSS	2.75"	26.50"	31.625"	25.344"	26.116"	3.750"	6.00"
24"	Profile	HK135TSS	3.00"	30.00"	33.000"	27.188"	27.709"	3.500"	4.50"
30"	Profile	HK201TSS	3.50"	37.00"	39.500"	33.479"	34.028"	3.500"	6.00"
36"	Profile	HK135TSS	4.00"	44.00"	45.500"	39.479"	40.000"	3.500"	6.00"
42"	Profile	HK185TSS	5.25"	52.50"	N/A	45.546"	46.500"	4.000"	N/A
48"	Profile	HK185TSS	5.75"	59.50"	N/A	52.046"	53.000"	4.000"	N/A
54"	Profile	HK201TSS	6.25"	66.50"	N/A	57.991"	58.709"	5.000"	N/A
60"	Profile	HK201TSS	6.75"	73.50"	N/A	64.491"	65.200"	5.000"	N/A
72"	Profile	O-Ring	7.75"	87.50"	N/A	79.047"	79.141"	4.250"	N/A


Profile Joint - Maximum Joint Gap Detail

Reinforced Concrete Pipe

Inside Dia. (in.)	Joint Depth (in.)	Shoulder Depth (in.)	Factor of Safety (in.)	Bevel Depth (in.)	Max. Joint Gap (in.)
12"	$3\frac{9}{16}$ "	1 $\frac{1}{2}$ "	$\frac{1}{8}$ "	$\frac{5}{8}$ "	1 $\frac{1}{4}$ "
15"	$3\frac{9}{16}$ "	1 $\frac{1}{2}$ "	$\frac{1}{8}$ "	$\frac{5}{8}$ "	1 $\frac{1}{4}$ "
18"	$3\frac{3}{4}$ "	1 $\frac{3}{4}$ "	$\frac{1}{8}$ "	$\frac{5}{8}$ "	1 $\frac{1}{8}$ "
21"	$3\frac{3}{4}$ "	1 $\frac{3}{4}$ "	$\frac{1}{8}$ "	$\frac{5}{8}$ "	1 $\frac{1}{8}$ "
24"	3 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	$\frac{1}{8}$ "	$\frac{7}{8}$ "	1 $\frac{5}{8}$ "
30"	3 $\frac{1}{2}$ "	1 $\frac{3}{4}$ "	$\frac{1}{8}$ "	$\frac{7}{8}$ "	1 $\frac{5}{8}$ "

Inside Dia. (in.)	Joint Depth (in.)	Shoulder Depth (in.)	Factor of Safety (in.)	Bevel Depth (in.)	Max. Joint Gap (in.)
36"	3 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	$\frac{1}{8}$ "	$\frac{7}{8}$ "	1"
42"	4"	2 $\frac{1}{4}$ "	$\frac{1}{8}$ "	$\frac{7}{8}$ "	3 $\frac{3}{4}$ "
48"	4"	2 $\frac{1}{4}$ "	$\frac{1}{8}$ "	$\frac{7}{8}$ "	3 $\frac{3}{4}$ "
54"	5"	2"	$\frac{1}{4}$ "	$\frac{7}{8}$ "	1 $\frac{5}{8}$ "
60"	5"	2"	$\frac{1}{4}$ "	$\frac{7}{8}$ "	1 $\frac{5}{8}$ "
72"	4 $\frac{1}{4}$ "	2"	$\frac{1}{4}$ "	$\frac{7}{8}$ "	1 $\frac{5}{8}$ "