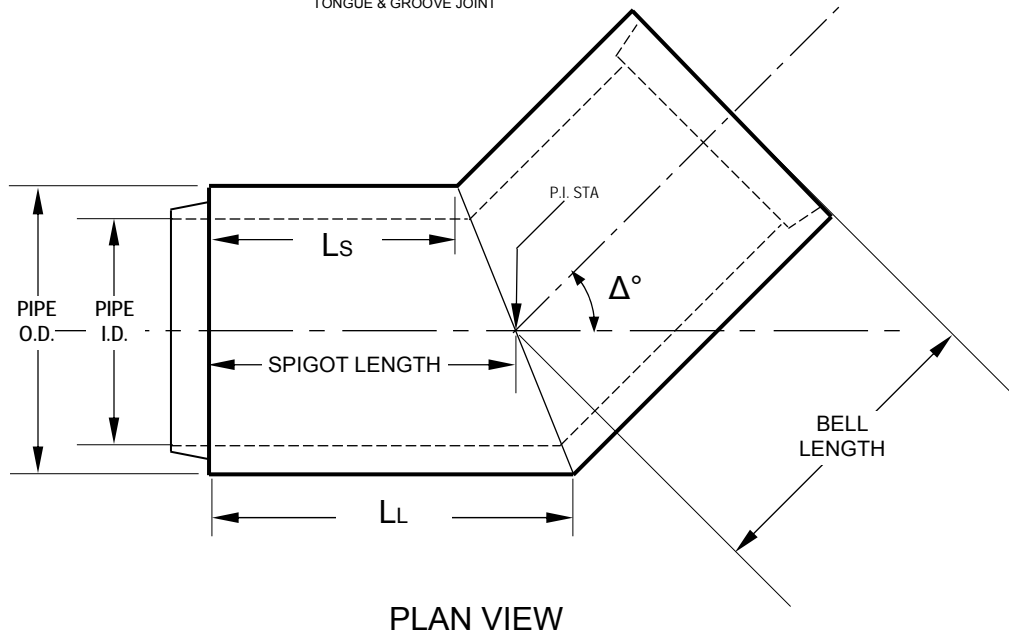


4' Joints

TONGUE & GROOVE JOINT



PIPE SIZE ID (IN)	PIPE SIZE OD (IN)	BEND L (FT)	SPIGOT L (IN)	BELL L (IN)	$\Delta = 15^\circ$		$\Delta = 30^\circ$		$\Delta = 45^\circ$		$\Delta = 60^\circ$		$\Delta = 90^\circ$	
					Ls (IN)	LL (IN)	Ls (IN)	LL (IN)	Ls (IN)	LL (IN)	Ls (IN)	LL (IN)	Ls (IN)	LL (IN)
12	16	4	24	24	23	25	22	26	21	27	19	29	16	32
15	19.5	4	24	24	23	25	21	27	20	28	18	30	14	34
18	23	4	24	24	22	26	21	27	19	29	17	31	12	36
21	26.5	4	24	24	22	26	20	28	19	29	16	32	11	37
24	30	4	24	24	22	26	20	28	18	30	15	33	9	39
27	33.5	4	24	24	22	26	20	28	17	31	14	34	7	41
30	37	4	24	24	22	26	19	29	16	32	13	35	5	43
36	44	4	24	24	21	27	18	30	15	33	11	37	-	-
42	51	4	24	24	21	27	17	31	13	35	9	39	-	-
48	58	4	24	24	20	28	16	32	12	36	7	41	-	-
54	65	4	24	24	20	28	15	33	11	37	5	43	-	-
60	72	4	24	24	19	29	14	34	9	39	-	-	-	-
66	79	4	24	24	19	29	13	35	8	40	-	-	-	-
72	86	4	24	24	18	30	12	36	6	42	-	-	-	-

4/20/2017



**REINFORCED CONCRETE PIPE
STANDARD BEND DIMENSIONS**

**Product Data Sheet –
Tongue & Groove Joint**