

Fort Wayne City Utilities Design Standards Manual

EXHIBIT W5-2 MAXIMUM DUCTIL IRON JOINT DEFLECTIONS

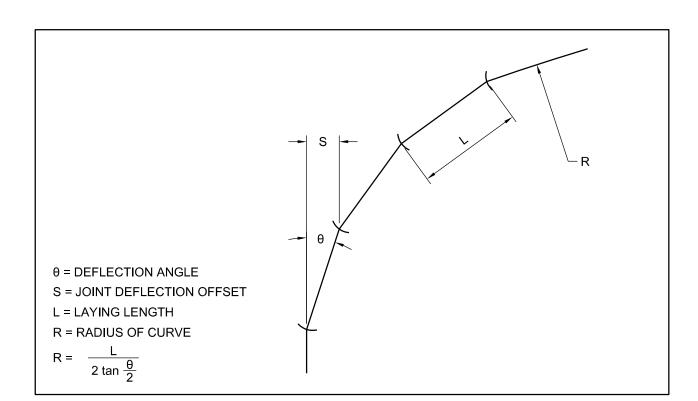
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PUSH ON JOINT (DIP) MAXIMUM DEFLECTION					
NOMINAL PIPE SIZE	DEFLECTION ANGLE - θ	MAXIMUM OFFSET - S*			
		IN.			
		L* =	L* =		
IN.	DEG.	18 FT.	20 FT.		
4	5	19	21		
6	5	19	21		
8	5	19	21		
10	5	19	21		
12	5	19	21		
14	3¹	11	12		
16	3¹	11	12		
18	3¹	11	12		
20	3¹	11	12		
24	3¹	11	12		
30	3¹	11	12		
36	3¹	11	12		
42	3¹	11	12		
48	3¹		12		

MECHANICAL JOINT (DIP) MAXIMUM DEFLECTION				
NOMINAL PIPE SIZE	DEFLECTION ANGLE - θ	MAXIMUM OFFSET - S*		
		IN.		
		L* =	L* =	
IN.	DEG.	18 FT.	20 FT.	
4	8-18	31	35	
6	7-07	27	30	
8	5-21	20	22	
10	5-21	20	22	
12	5-21	20	22	
14	3-35	13.5	15	
16	3-35	13.5	15	
18	3-00	11	12	
20	3-00	11	12	
24	2-23	9	10	

¹ SEE NOTE 1. BELOW



NOTES:

1. FOR 14" AND LARGER PUSH-ON JOINTS, MAXIMUM DEFLECTION ANGLE MAY BE LARGER THAN SHOWN ABOVE; CONSULT THE MANUFACTURER.

^{*} SEE FIGURE BELOW