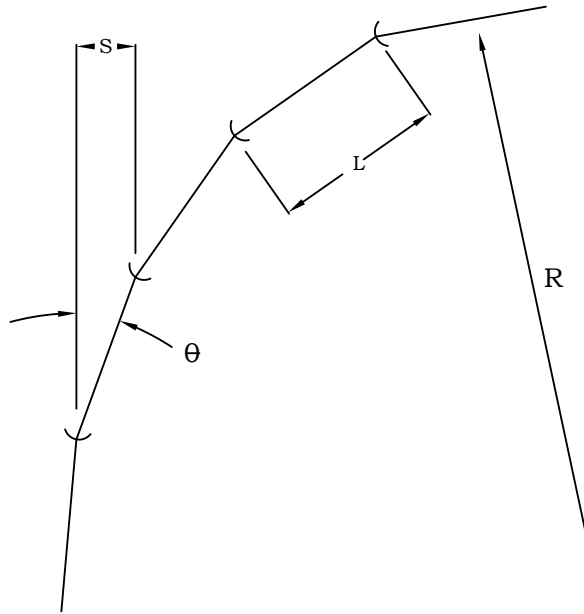


PIPELINE CURVE GEOMETRY

θ = DEFLECTION ANGLE
 S = JOINT DEFLECTION OFFSET
 L = LAYING LENGTH
 R = RADIUS OF CURVE

$$R = \frac{L}{2 \tan \frac{\theta}{2}}$$




MAXIMUM JOINT DEFLECTION FULL-LENGTH PIPE - PUSH-ON TYPE JOINT PIPE

NOMINAL PIPE SIZE IN.	DEFLECTION ANGLE - 0- DEG	MAXIMUM OFFSET - "S" INCHES		APPROX. RADIUS OF CURVE - "R" PRODUCED BY SUCCESSION OF JOINTS FEET	
		L = 18 FT	L = 20 FT	L = 18 FT	L = 20 FT
3	5	19	21	205	230
4	5	19	21	205	230
6	5	19	21	205	230
8	5	19	21	205	230
10	5	19	21	205	230
12	5	19	21	205	230
14	3*	11	12	340	380
16	3*	11	12	340	380
18	3*	11	12	340	380
20	3*	11	12	340	380
24	3*	11	12	340	380
30	3*	11	12	340	380
36	3*	11	12	340	380
42	2*	7.5	8	510	570
48	2*	7.5	8	510	570
54	1.5*	5.5	6	680	760

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

NOT TO SCALE

		<p>PIPE DEFLECTION DUCTILE IRON - PUSH-ON JOINT</p>			
DATE	REVISION				
		DRAWN	SLW	APPROVED	WSC
				SPEC NO.	PD