

JOINT DEFLECTION



PUSH-ON JOINT

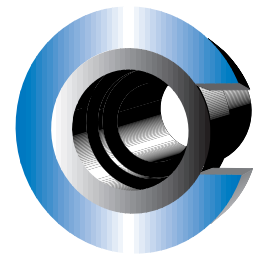
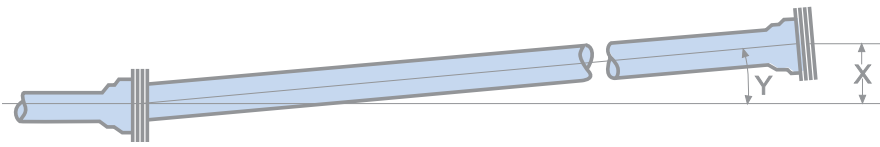
| Pipe Size | | Y Deg. | Deflection X | | Approx. Radius of Curve | |
|-----------|-----|--------|--------------|-----|-------------------------|----|
| in | mm | deg | in | mm | ft | m |
| 4 | 100 | 5° | 19 | 483 | 206 | 63 |
| 6 | 150 | 5° | 19 | 483 | 206 | 63 |
| 8 | 200 | 5° | 19 | 483 | 206 | 63 |
| 10 | 250 | 5° | 19 | 483 | 206 | 63 |
| 12 | 300 | 5° | 19 | 483 | 206 | 63 |
| 14 | 350 | 5° | 19 | 483 | 206 | 63 |
| 16 | 400 | 5° | 19 | 483 | 206 | 63 |
| 18 | 450 | 5° | 19 | 483 | 206 | 63 |
| 20 | 500 | 5° | 19 | 483 | 206 | 63 |
| 24 | 600 | 5° | 19 | 483 | 206 | 63 |
| 30 | 750 | 5° | 19 | 483 | 206 | 63 |
| 36 | 900 | 4° | 11 | 280 | 260 | 79 |

DUCTILE IRON PIPE
JOINT DEFLECTION



Washout - Amherst,
Nova Scotia, 1999.

The pipe stayed in
operation despite over
deflection of the joints.



MECHANICAL JOINT



| Pipe Size | | Y Deg. | Deflection X | | Approx. Radius of Curve | |
|-----------|-----|-----------|-----------------|-----|----------------------------|-----|
| in | mm | | in. | mm | ft. | m |
| 4 | 100 | 7° 7' | 30 | 760 | 145 | 44 |
| 6 | 150 | 7° 7' | 30 | 760 | 145 | 44 |
| 8 | 200 | 5° 21' | 20 | 510 | 195 | 59 |
| 10 | 250 | 5° 21' | 20 | 510 | 195 | 59 |
| 12 | 300 | 5° 21' | 20 | 510 | 195 | 59 |
| 14 | 350 | 3° 35' | 13.5 | 340 | 285 | 87 |
| 16 | 400 | 3° 35' | 13.5 | 340 | 285 | 87 |
| 18 | 450 | 3° | 11 | 280 | 340 | 104 |
| 20 | 500 | 3° | 11 | 280 | 340 | 104 |
| 24 | 600 | 3° 23' | 9 | 230 | 450 | 137 |



DUCTILE IRON PIPE
JOINT DEFLECTION

Demonstration of the superior flexibility of Ductile Iron Pipe.