

Joint Deflection for AWWA Pressure Pipe

The joint deflection may be reached on Sanderson Pipe Corporations AWWA pressure pipe by following the listed procedures below:

1. When inserting the spigot end of the pipe into the bell, DO NOT over insert the reference mark past the lip of the bell, the reference mark should be flush with the lip. Failure to align these properly could lead to stress on the joints and also may not allow you to reach the allowable joint deflection listed.
2. On the opposite end of the pipe you can manually offset the pipe to the recommended offset value. DO NOT use machinery to obtain the offset, if needed use bars or blocks to help move the pipe to the desired deflection.
3. Once you have the pipe in place you may partially backfill to help hold the pipe in place.
4. Repeat these steps on the remaining pieces of pipe if it is required for the pipe to be deflected.

* Radius of Curve is determined using a piece of pipe with a 20 foot lay length.

Nominal Size (inch)	Maximum Offset (inch)	Angle of Offset	*Radius of Curve (Inch)
4" thru 12"	4	1	1146

IMPORTANT: Remember DO NOT over insert the spigot into the bell. Make sure the reference mark is aligned with the lip of the bell.

Check your soil conditions prior to installation.

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