

Re: Royal Building Products, Gasketed IPS Pipe

Ideally, all changes in pipe alignment would be designed and accomplished using fittings. Other methods of changing pipe alignment are available to accommodate minor changes during installation.

For Royal gasketed IPS pressure pipe, pipe deflection at the joint should not be used as a method to accommodate alignment changes.

Minor changes in alignment can be accomplished by longitudinal bending of the pipe barrel. The following table shows the maximum deflection that can be accomplished per 20 ft length of pipe.

Trade Size (in)	Maximum Offset (in)
4	24
6	17
8	13
10	10
12	9

The following is the procedure for longitudinal bending of the pipe barrel:

1. Correctly insert the spigot into the bell leaving the maximum insertion line showing.
2. Place and consolidate haunching and initial backfill material along one third of the pipe including the joint that was just assembled.
3. Manually move the bell end to achieve the offset desired.
4. Place and consolidate the remaining haunching and initial backfill.

Please refer to the Royal Pressure Pipe and Fittings Installation Guide for further information about installation.