



## JOINT RESTRAINT CASING SPACERS STYLE CCS-JR

### INSTALLATION INSTRUCTIONS

- 1) Completely clean off the outside of the pipe where the Joint Restraint Casing Spacer is to be placed and be sure that Spacer Liners are clean as well.
- 2) Install the first Joint Restraint Casing Spacer directly behind the bell of the first pipe segment.
- 3) Install the next Joint Restraint Casing Spacer at the Home line position on the spigot end, to help resist over-belling.
- 4) The Joint Restraint Casing Spacers should be radially aligned so as to allow the all thread to be inserted without placing a strain on the joint.
- 5) Torque the Casing Spacer Bolts to approx. 30-50 ft.-lbs. for plastic pipe (PVC) or approx. 75-85 ft.-lbs. for rigid pipe (like D.I. and Steel), ensuring a proper hold on the pipe. For other pipe types, consult factory for specifications.

**NOTE:** *Care should be taken to prevent deformation of pipe at joint.*

- 6) Insert a section of all thread (not included with casing spacers) through the holes in the Joint Restraint Casing Spacer and tighten to approx. 10 ft.-lbs.
- 7) Repeat steps 1 – 6 above until all the Spacers are installed at the remaining joints.
- 8) Install other Casing Spacers as needed to support length of pipe between joints.

**PATENT # 7,225,837**

**NOTE: FAILURE TO SIZE CASING SPACERS TO PIPE PROPERLY  
VOIDS ALL WARRANTIES.**