

PRODUCT BULLETIN: FRP PIPE JOINTS

• **Locking Bell & Spigot Pipe Joints**

Locking bell and spigot joints are perfect additions to your new or existing piping systems. They provide excellent performance and long service life. This FRP composite construction eliminates normal maintenance and provides worry free operation. Joint assembly is quick and efficient in all pipe installation environments.

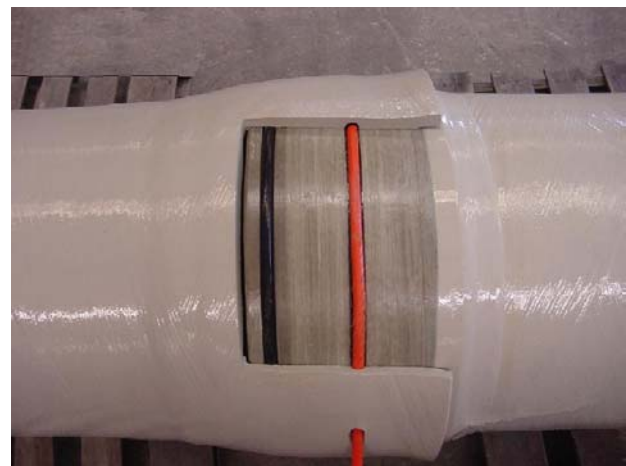
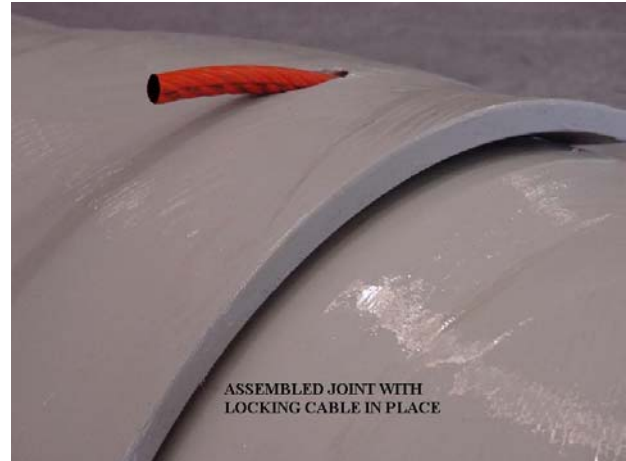
As a leading manufacturer and fabricator of fiberglass reinforced plastic products for over 20 years, we have designed this joint to be an economical alternative to flanges, mechanical couplings and butt & strap FRP welds in pressure piping systems. This method of joining is a quick and efficient way to join pipe ends while providing a restrained joint. It provides the same "peace of mind" normally provided by the labor intensive "butt & strap" joining system. Additionally it eliminates the extra cost of expensive stainless steel hardware for flanges and external restraining lugs and rods commonly required for mechanical couplings.

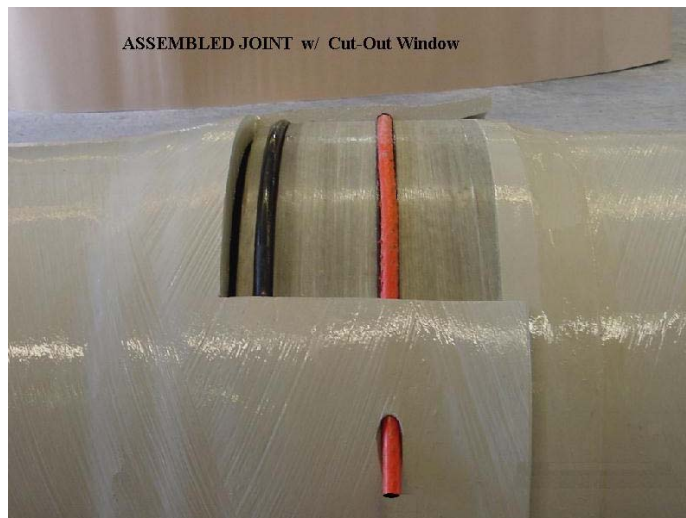
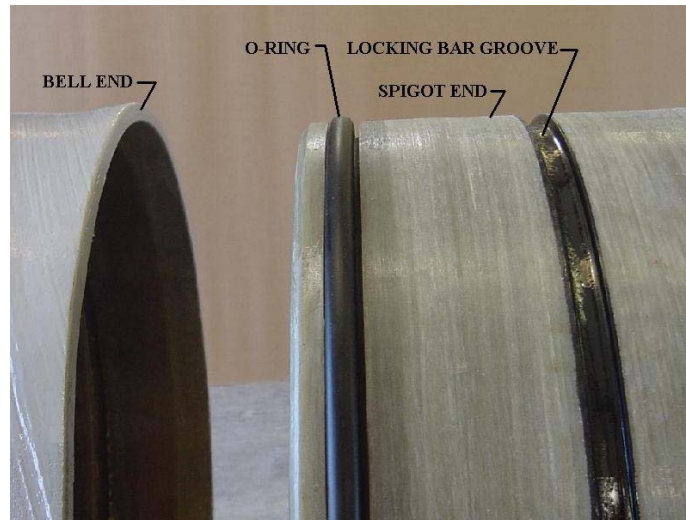
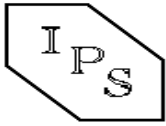
The piping system's fiberglass construction provides excellent corrosion resistance in most industrial and commercial environments, which include water and wastewater treatment plants, pharmaceutical facilities, pulp & paper mills and chemical plants. Standard construction utilizes a vinyl ester resin and a 50-mil internal corrosion barrier. Our laminate's construction can be custom tailored to suit your specific engineering application.

• **Features include**

- Excellent corrosion resistance
- Quick & easy assembly
- Economical
- 250 psi maximum design pressure
- 225° F maximum design temperature
- Strong and lightweight
- Thermally non-conductive
- Electrically non-conductive

PLEASE CALL THE FACTORY FOR PRICING, OPTIONS, AND AVAILABILITY.







24" diameter prototype joint, after high pressure testing - This joint was cut away to examine the grooves and laminate for stress assessment



In house testing of our 24" diameter single o-ring joint was done to 250 psi with no leaks.