

Ductile Iron Pipe

SNAP-LOK™ Restrained Joint

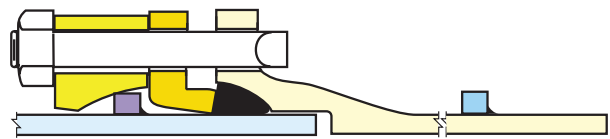
When joint restraint is specified, Griffin SNAP-LOK™ is the system designed to meet a variety of requirements. The completely boltless SNAP-LOK™ joint features the fast, easily installed Tyton Joint® and a simple, positive locking system that prevents joint separation. The spherical seat allows joint deflection after assembly while maintaining uniform load distribution. The joint may be easily disassembled should the need develop.

Assembly Instructions:

1. Visually inspect the socket area for cleanliness. Remove any foreign matter such as mud, gravel, sand, ice, etc. The gasket seating area should be thoroughly inspected to ensure nothing will interfere with the proper seating of the gasket. Do not lubricate the inside of the bell!
2. The gasket must be wiped clean with a clean cloth. Place the gasket into the socket with the rounded bulb-end entering first. Looping the gasket before the initial insertion will facilitate seating the gasket evenly around the retainer seat. Smaller sizes will require one loop while a larger gasket may require 2 loops. In cold weather (below 40°), the gaskets should be warmed for easier insertion.
3. Apply a thin film of pipe joint lubricant to the surface of the gasket that will contact the spigot end (plain end) of the pipe.
4. Remove any packing material from the pipe spigot. Clean dirt or debris from the outside of the large restraining ring. Clean the spigot end of the pipe and grind or file any sharp edges that may damage the gasket. Apply lubricant to the outside of the spigot end.
5. Place the spigot end into the companion bell socket. Maintain reasonably straight alignment. Push the pipe straight home with the aid of a push-bar or backhoe as necessary. If assembly is not achieved using reasonable force, dismantle the pipe and check for proper positioning of the gasket, adequate lubrication or debris in the joint.
6. Slide the large SNAP-LOK restraining ring(s) fully into the bell socket. With proper insertion, the full depth of the locking ring groove should be visible. This is the groove closest to the face of the bell end. 6" - 24" pipe sizes have one-piece SNAP-LOK rings which are pre-installed on the pipe. 30" - 48" pipes have segmented rings that are supplied separately with each shipment. 30" - 36" pipe have 4 segments per joint. 42" - 48" pipe have 5 segments per joint.
7. Insert the alloy steel locking ring into the groove. The ring may be forced into the groove if necessary. Once the ring is completely within the groove, the small wire-tie should be cut and removed. This will allow the locking ring to expand into place within the groove. This completes the SNAP-LOK assembly.

BOLT-LOK™ Flexible Restrained Bolted Joint

The BOLT-LOK™ joint provides a flexible restrained connection to bolted joints such as mechanical joint pipe and fittings or valves.



Assembly Instructions:

1. Inspect the bell gasket area on the pipe or fitting. Remove any foreign matter such as mud, gravel, sand, ice, etc. The gasket seating area should be thoroughly inspected to ensure that nothing will interfere with proper seating of the gasket. A wire brush or clean towel should be used to clean the gasket area. Inspect and clean the spigot end in a similar manner.
2. Using Griffin pipe joint lubricant, apply a film of the lubricant to the gasket seating area of the bell. Do not assemble the joint with-out lubrication! The lube allows the MJ gasket to flow into its proper position when compressed by the gland assembly.
3. Place the MJ gasket over the spigot end of the pipe. Slide the gasket back against the MJ gland. The narrow end of the gasket should face the spigot end of the pipe. Apply joint lubricant to the gasket surface. Do not assemble the joint without lubrication!
4. Align the bell and spigot for assembly. The ends of the pipes should be in reasonably straight alignment during assembly. Deflections can be made after assembly. Make sure there is no dirt stuck to the lubricant in the bell or on the spigot. Insert the spigot end completely into the bell socket.
5. Insert the T-head bolts supplied with the assembly. Install the nuts and finger tighten.
6. After the bolts are in place, remove the two T-head bolts holding the MJ gland and BOLT-LOK ring together. Discard the spacers which are used only for shipping. Reinsert the two bolts from the opposite direction and install the nuts. Tighten all of the bolts to 120-150 lbs of torque. Alternate the tightening sequence to maintain the same distance between the gland and the face of the bell flange until the proper torque range is obtained.