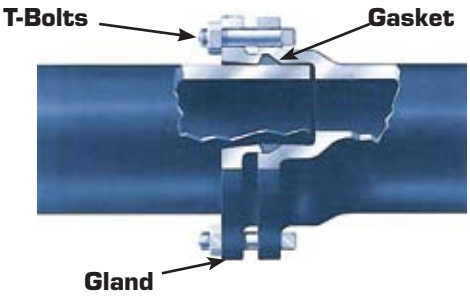
Pipe A-3

Ductile Iron Pipe

Mechanical Joint (MJ)



Installation of Mechanical Joint Ductile Iron Pipe

1. Clean the socket and the plain end. Lubrication is recommended for proper assembly of all mechanical joints. Lubrication and additional cleaning should be provided by brushing both the gasket and plain end with soapy water or pipe lubricant just prior to slipping the gasket onto the plain end for joint assembly. Place the gland on the plain end with the lip extension toward the plain end followed by the gasket with the narrow edge of the gasket toward the plain end.
2. Insert the pipe into the socket and press the gasket firmly and evenly into the gasket recess. Keep the joint straight during assembly.
3. Push the gland toward the socket and center it around the pipe with the gland tip against the gasket. Insert bolts and hand-tighten the nuts. Make deflection after joint assembly but before tightening the bolts.
4. Tighten the bolts to the normal range of bolt torque as indicated in the adjacent table while maintaining approximately the same distance between the gland and the face of the flange at all points around the socket. This can be accomplished by partially tightening the bottom bolt first, then the top bolt, next the bolts at either side, finally the remaining bolts. Repeat the process until all bolts are within the approximate range of torque. In large (30"- 48") sizes, five or more repetitions may be required. The use of a torque wrench will facilitate this procedure.

PIPE SIZE	BOLT DIA.	NUT SIZE	TORQUE RANGE
3"	5/8"	1 1/16"	45 - 60 ft-lbs.
4" - 24"	3/4"	1 1/4"	75 - 90 ft-lbs.
30" - 36"	1"	1 5/8"	100 -120 ft-lbs.

Instant Restraint With Griffin's Field Lok™ Gasket System

Griffin's FIELD LOK™ gasket system is a truly unique means of providing instant joint restraint for 4" through 24" Ductile Iron TYTON JOINT® pipe. By simply inserting a FIELD LOK™ gasket into the socket, joint restraint is provided. No pipe surface preparation is required. Stainless steel locking segments molded into the FIELD LOK™ gasket grip the pipe to prevent joint separation. FIELD LOK™ gaskets are suitable for maximum working pressures of 250 psi.

There are definite advantages associated with the use of the FIELD LOK™ gasket system. Field cut pipe is no longer a problem to restrain, as no accessories are required other than the FIELD LOK™ gasket. Field cut ends must be beveled in the same manner as field cut ends are prepared for push-on joint pipe. With the FIELD LOK™ gasket in place, the joints are restrained without thrust blocks, bolts, grooves, rods, clamps or retainer glands, resulting in savings of labor, material and time.

FIELD LOK™ is a trademark of U.S. Pipe & Foundry Company.

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	SIZE	PRODUCT NUMBER
FIELD LOK™ GASKET SYSTEM	4"	21272
	6"	21286
	8"	21316
	10"	21330 1
	12"	21346
	16"	21397
	20"	21425
	24"	21444

NOTE: Refer to Griffin's pipe installation instructions before installing Field Lok™ gaskets.