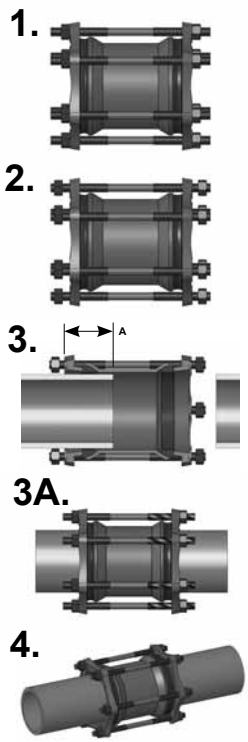
Refer to the Ford website (http://www.fordmeterbox.com) for additional and most recent installation instructions and product information.

# 3"-12" MECHANICAL JOINT COUPLING (MJC)
# - INSTALLATION INSTRUCTIONS -
## FOR DUCTILE IRON, C900, C909, STEEL, IPS (Steel Size) PVC PIPE AND SDR 35 SEWER PIPE




**CAUTION: MJC couplings do not restrain axial movement of pipe. Make sure proper restraint is used if determined a reasonable requirement.**

1. Measure the pipe diameter carefully, making sure the pipe O.D. falls within the range of the MJC. Check to ensure the MJC is not damaged. Thoroughly clean each pipe end to a smooth, bare surface sufficiently longer than the coupling length. Check the pipe surface to ensure the gasket-bearing surface is free from dents, flat spots, or pitted areas that might impair gasket seating. Lubricate both pipe ends with an approved pipe lubricant meeting AWWA C111.

| Size | Pipe OD Range |
|---|---|
| 3" | 3.50 - 3.96 |
| 4" | 4.21 - 4.80 |
| 6" | 6.27 - 6.90 |
| 8" | 8.40 - 9.05 |
| 10" | 10.50 - 11.10 |
| 12" | 12.50 - 13.20 |

2. For ease of installation on larger OD pipe, it may be helpful to loosen the nuts on each side of the MJC. Disassembly of the coupling is **not** required.

3. Stab each pipe end into the MJC coupling. Pipe must be inserted into the MJC a minimum distance (see table and illustration) from the gland face. Measure and mark this distance from pipe end as a reference point for proper insertion. Center the coupling between the two pipe ends. The optimum pipe end gap for the MJC coupling is less than 1". Set deflection before tightening rods. (Maximum allowable deflection is 5°.)

   Tighten the nuts on the tie rods to the torque recommended in AWWA C111 (45-60 ft-lb for 3" and 75-90 ft-lb for 4"-12" sizes). Tighten in an alternating manner, (6 o'clock, 12 o'clock, 9 o'clock, 3 o'clock) maintaining the same gap between the glands at all points around the MJC sleeve. Repeat the process until all nuts are within the recommended torque range. Use of a torque wrench is strongly recommended and required to ensure proper torque. It is important to ensure that equal torque has been applied to each tie rod.

| *Minimum Pipe Insertion | |
|---|---|
| Size | "A" |
| 3" | 4" |
| 4" | 4-5/8" |
| 6" | 4-3/4" |
| 8" | 4-13/16" |
| 10" | 4-7/8" |
| 12" | 4-7/8" |

4. Restrain if required, test and recheck tie rod torque before backfilling. If a leak develops during testing, recheck tie rod torque. Be advised that extreme torque can over stress the coupling components.

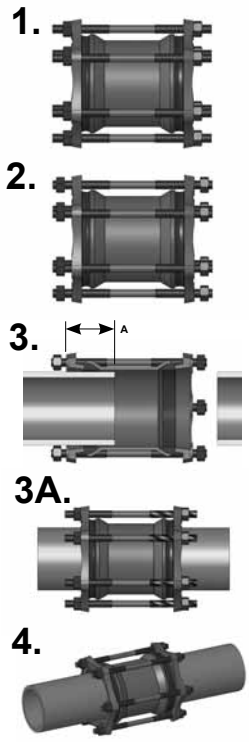
* Not accounting for beveled, unsquare or deflected pipe ends

**The Ford Meter Box Company, Inc.**
775 Manchester Avenue, P.O. Box 443, Wabash, Indiana, USA 46992-0443
Telephone: 260-563-3171 FAX: 800-826-3487 Overseas FAX: 260-563-0167
http://www.fordmeterbox.com

FORM # 91880-99 03/12

Refer to the Ford website (http://www.fordmeterbox.com) for additional and most recent installation instructions and product information.

3"-12" MECHANICAL JOINT COUPLING (MJC)
- INSTALLATION INSTRUCTIONS -
FOR DUCTILE IRON, C900, C909, STEEL, IPS (Steel Size) PVC PIPE AND SDR 35 SEWER PIPE




CAUTION: MJC couplings do not restrain axial movement of pipe. Make sure proper restraint is used if determined a reasonable requirement.

1. Measure the pipe diameter carefully, making sure the pipe O.D. falls within the range of the MJC. Check to ensure the MJC is not damaged. Thoroughly clean each pipe end to a smooth, bare surface sufficiently longer than the coupling length. Check the pipe surface to ensure the gasket-bearing surface is free from dents, flat spots, or pitted areas that might impair gasket seating. Lubricate both pipe ends with an approved pipe lubricant meeting AWWA C111.

| Size | Pipe OD Range |
|---|---|
| 3" | 3.50 - 3.96 |
| 4" | 4.21 - 4.80 |
| 6" | 6.27 - 6.90 |
| 8" | 8.40 - 9.05 |
| 10" | 10.50 - 11.10 |
| 12" | 12.50 - 13.20 |

2. For ease of installation on larger OD pipe, it may be helpful to loosen the nuts on each side of the MJC. Disassembly of the coupling is **not** required.

3. Stab each pipe end into the MJC coupling. Pipe must be inserted into the MJC a minimum distance (see table and illustration) from the gland face. Measure and mark this distance from pipe end as a reference point for proper insertion. Center the coupling between the two pipe ends. The optimum pipe end gap for the MJC coupling is less than 1". Set deflection before tightening rods. (Maximum allowable deflection is 5°.)

   Tighten the nuts on the tie rods to the torque recommended in AWWA C111 (45-60 ft-lb for 3" and 75-90 ft-lb for 4"-12" sizes). Tighten in an alternating manner, (6 o'clock, 12 o'clock, 9 o'clock, 3 o'clock) maintaining the same gap between the glands at all points around the MJC sleeve. Repeat the process until all nuts are within the recommended torque range. Use of a torque wrench is strongly recommended and required to ensure proper torque. It is important to ensure that equal torque has been applied to each tie rod.

| *Minimum Pipe Insertion | |
|---|---|
| Size | "A" |
| 3" | 4" |
| 4" | 4-5/8" |
| 6" | 4-3/4" |
| 8" | 4-13/16" |
| 10" | 4-7/8" |
| 12" | 4-7/8" |

4. Restrain if required, test and recheck tie rod torque before backfilling. If a leak develops during testing, recheck tie rod torque. Be advised that extreme torque can over stress the coupling components.

* Not accounting for beveled, unsquare or deflected pipe ends

**The Ford Meter Box Company, Inc.**
775 Manchester Avenue, P.O. Box 443, Wabash, Indiana, USA 46992-0443
Telephone: 260-563-3171 FAX: 800-826-3487 Overseas FAX: 260-563-0167
http://www.fordmeterbox.com

FORM # 91880-99 03/12