

## A.Y. McDonald Mfg. Co. 2 Piece Saddle Instructions

- Saddles should be installed after pipe pressure testing is completed.
- Use only on PVC pipe. Make sure you have proper type and size of saddle for pipe. Reference pipe diameter, tap size and identification located on each saddle. 2.
- Make sure saddle sealing surface on the pipe is clean, free of "nicks", gouges, or other imperfections that could cause leakage.
- DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
- Place saddle outlet and strap around pipe and attach together loosely using capscrews into tapped holes. Then rotate the saddle into desired position.
- 6. A.Y. McDonald saddles are NOT designed to bottom out.

Alternating between each bolt, tighten to the following torques:

For 3/4" and 1" thread size outlets:

2", 2 1/2", and 3" pipe - 4 - 5 F00T-P0UNDS.

(approx. 4 to 5 lbs. pull on 12" wrench) 4", 6", and 8" pipe - 5 of F<u>00T-POUNDS</u>. (approx. 5 to 6 lbs. pull on 12" wrench) 10" and 12" pipe - 24 - 26 <u>F00T-POUNDS</u>. (approx. 24 to 26 lbs. pull on 12" wrench)

FOR 1-1/2" AND 2" THREAD SIZE OUTLETS:
4" and 6" pipe 13 - 15 FOOT-POUNDS.
(approx. 13 to 15 lbs. pull on 12" wrench) 8" pipe - 17 - 19 <u>FOOT-POUNDS.</u> (approx. 17 to 19 lbs. pull on 12" wrench)
10" and 12" pipe - 24 - 26 FOOT-POUNDS.
(approx. 24 to 26 lbs. pull on 12" wrench)

- 7. Overtightening can cause failure of saddle or bolt.
- After the corporation stop has been installed, recheck saddle torque and tighten if necessary.
- McDonald saddles are designed to withstand water working pressure up to but not exceeding the working pressure rating of the pipe up to 200 PSIG maximum. Use only on a cold water service
- Saddle testing should be accomplished while services are exposed and prior to backfilling.

WARNING: Not for use in applications with frequent cyclic loading such as air blow off valves on water and sewer force mains. 3210-327

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Public Law 111-380.

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