**Hinged Saddle Instructions**

1. Saddles should be installed after pipe pressure testing is completed.
2. Use only on PVC pipe.
3. Make sure you have proper type and size of saddle for pipe. Reference pipe diameter range, tap size and identification located on each hinged saddle.
4. Clean pipe surface thoroughly.
5. **DO NOT** use Vaseline®, plumber's grease, or any other petroleum based product on seals or o-rings.
6. Mount saddle on pipe with outlet facing desired direction.
7. McDonald hinged saddles are **NOT** designed to bottom out. Tighten bolts to the following torques: 3/4" and 1" thread size outlets:
   - 2", 2 1/2", 3" pipe - 4 - 5 FOOT-POUNDS.
   - 4", 6", 8" pipe - 5 - 6 FOOT-POUNDS.
   - *Be sure to alternate tightening of the 2 bolts to ensure even loading.*
8. **Overtightening** can cause failure of saddle, bolt or hinge pin.
9. After the corporation stop has been installed, recheck saddle torque and tighten if necessary.
10. McDonald hinged 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.
11. Saddle testing should be accomplished while services are exposed and prior to backfilling.

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