



a **MUELLER** brand

DUCTILE IRON SERVICE SADDLES SPECIFICATION

Product Specifications

1. The service saddles shall be tested and conform to all applicable standards, including ANSI/AWWA C-800.
2. The service saddles shall be available for use on cast iron, ductile iron, steel, AWWA C900 PVC plastic pipe, and IPS PVC.
3. The service saddles shall be one of the following strap types:
 - a. A single strap style for all 1/2" through 1" line services on nominal size mains 2" through 12" in size and 1/2" through 2" line services on nominal size mains 4" through 12".
 - b. A double strap style for all 1/2" through 2" line services on nominal size mains 4" through 24" in size.
 - c. A single strap style for all 1/2" through 1" line services for nominal sized mains 2" through 12" and a double strap style for all 1-1/2" and 2" line services on nominal size mains 4" through 24" in size.
4. The service saddles shall have bodies composed of ductile iron, ASTM A395 alloy.
5. The service saddles shall have a coating of NSF approved Rilsan nylon.
6. The service saddle straps and nuts shall be composed of one of the following:
 - a. A zinc plated steel type with a flattened area to provide a gripping surface on the pipe.
 - b. A type 304L stainless steel type with a flattened area to provide a gripping surface on the pipe. The nuts shall be fluorocarbon or PTFE coated.
7. The service saddle straps shall have rolled strap threads to facilitate installation of the nuts.
8. The service saddles shall have a maximum working pressure of 250 psi (1724 kPa) for single strap saddles and a maximum working pressure of 500 psi (3447 kPa) for double strap saddles.
9. The service saddle outlet shall be sealed by a nitrile rubber O-ring.

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10. The service saddle shall have a tapping boss with full length threads of one of the following:

- a. An AWWA tapered or "CC" thread.
- b. An AWWA iron pipe thread (F.I.P.T.).

The nylon coated saddles with a single stainless-steel strap shall be HYMAX® DR1S series or approved equal.

The nylon coated saddles with a double stainless-steel strap shall be HYMAX® DR2S series or approved equal.

The nylon coated saddles with a single alloy strap shall be HYMAX® DR1A series or approved equal.

The nylon coated saddles with a double alloy strap shall be HYMAX® DR2A series or approved equal.

