

<b>Section F: Service Saddles and Tapping Devices</b>	Effective Date: <u>01-01-2026</u>
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<b>F 1 – SERVICE SADDLE, BRASS/ ALLOY/ HINGED TYPE/ 2” PVC:</b>	Effective Date: <u>01-01-2026</u>
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**SPECIFICATION:**

Brass alloy service saddles shall meet or exceed the performance specifications of:

- ASTM Standards B62 (85-5-5-5) brass.
- ASTM Standards D2000 gaskets seals.
- Strap shall be a single hinged strap.
- Strap shall have a curvature accurately formed to meet the diameter of the pipe.
- Gasket shall be securely glued or imbedded in the body of the clamp to ensure a positive seal against the pipe.
- NSF Standards 61.

**MATERIAL:**

**Body:**

- Brass per ASTM Standards B62

**Straps:**

- Brass per ASTM Standards B62

**Bolts & Nuts:**

- Brass per ASTM Standards B62

**Gasket:**

- EPDM (ethylene propylene).
- Nitrile Buna-N (Acrylonitrile butadiene- (NBR)).
- Viton; Fluorel (FKM)

**Coating:**

- Brass: None

**DESIGN:**

- For 2” IPS PVC pipe.

**OUTLETS:**

- 1” shall be female AWWA CC taper female threads.
- 2” shall be female iron pipe threads.



**MANUFACTURER:**

- A.Y. MCDONALD MODEL- 3891
- FORD MODEL- S70
- MUELLER MODEL- S13420

**RESTRICTIONS:**

<b>F 1.1 – SERVICE SADDLES / BRASS ALLOY / STAINLESS STEEL STRAPS FOR CAST IRON, DUCTILE IRON &amp; PVC PIPE:</b>	Effective Date: <u>01-01-2026</u>
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**SPECIFICATION:**

- Brass alloy service saddles shall meet or exceed the performance specifications of:
- ASTM Standards B62 (85-5-5-5) brass.
- ASTM Standards D2000 gaskets seals.
- Single or multiple stainless steel straps three-inches wide or more. Single strap preferred.
- Welds shall be fully passivated for corrosion resistance.
- Straps shall have a curvature accurately formed to lubricant treated nuts to prevent galling.
- Gasket shall be securely glued or imbedded in the body of the clamp to ensure a positive seal against the pipe.
- NSF Standards 61.

**MATERIAL:**

**Body:**

- Brass per ASTM Standards B62

**Straps:**

- Stainless steel, 18-8 type 304

**Nuts, Bolts & Washers:**

- Stainless steel, 18-8 type 316

**Gasket:**

- EPDM (ethylene propylene)
- Nitrile Buna-N (Acrylonitrile butadiene (NBR)).
- Viton; Fluorel (FKM)

**Coating:**

- Brass: None

**DESIGN:**

- For cast iron, ductile iron and PVC pipe.

**OUTLETS:**

- 1" shall be female AWWA CC taper female threads.
- 2" shall be female iron pipe threads.

**RESTRICTIONS:**

- Shall be used for connections to 12" mains or smaller.
- Hinged saddles are not acceptable



**MANUFACTURER:**

- A.Y. MCDONALD– 3845, 3846 & 3855, 3856 SERIES
- FORD– 202BS STYLE
- MUELLER– BR2S SERIES
- POWER SEAL–3409 SERIES
- ROMAC– 202BS SERIES
- SMITH BLAIR– 325, 393 SERIES

<b>F 1.2 – SERVICE SADDLES/ DUCTILE IRON/ STAINLESS STEEL STRAPS FOR CAST IRON, DUCTILE IRON &amp; PVC PIPE:</b>	Effective Date: <u>01-01-2026</u>
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**SPECIFICATION:**

Ductile iron service saddles shall meet or exceed the performance specifications of:

- ASTM Standards A536 ductile iron.
- ASTM Standards D2000 gaskets seals.
- Single or multiple stainless steel straps three-inches wide or more. Single strap preferred.
- Welds shall be fully passivated for corrosion resistance.
- Straps shall have a curvature accurately formed to meet the diameter of the pipe.
- Fusion nylon or fusion epoxy coating, minimum 12 mils thick.
- Lubricant treated nuts to prevent galling.
- Gasket shall be securely glued or imbedded in the body of the clamp to ensure a positive seal against the pipe.
- NSF Standards 61.

**MATERIAL:**

**Body:**

- Ductile iron per ASTM Standards A536

**Straps:**

- Stainless steel, 18-8 type 304

**Nuts, Bolts & Washers:**

- Stainless steel, 18-8 type 316

**Gasket:**

- EPDM (ethylene propylene).
- Nitrile Buna-N (Acrylonitrile butadiene (NBR)).
- Viton; Fluorel (FKM)

**Coating:**

- Ductile iron: fusion epoxy or nylon.

**DESIGN:**

- For ductile iron, cast iron, and PVC pipe.

**RESTRICTIONS:**

- Shall be used for connections to 12” mains or smaller.
- Hinged saddles are not acceptable

**OUTLETS:**

- 1” shall be female AWWA CC taper female threads.
- 2” shall be female iron pipe threads.



**MANUFACTURER:**

- A.Y. MCDONALD- 4845A, 4846A, 4855A, 4856A SERIES
- CASCADE– CNS2 STYLE
- DRESSER-291 SERIES per spec.
- FORD– FC202 STYLE
- JCM– 406 SERIES
- MUELLER– DR2S SERIES
- POWER SEAL–3417DI, 3417SW
- ROMAC– 202NS SERIES
- SMITH BLAIR– 397, 317 SERIES

<b>F 2 – TAP SLEEVES 4” THRU 24” FLANGE CONNECTION/ FABRICATED STAINLESS STEEL:</b>	Effective Date: <u>01-01-2026</u>
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**SPECIFICATION:**  
 Service saddles shall meet or exceed the performance specifications of:

- ASTM Standards D2000 gaskets seals.
- AWWA C115 and C223
- Outlet branch O-ring seal type gasket.
- ASTM Standards A240, 18-8 type 304 stainless steel.
- Welds shall be fully passivated for corrosion resistance.
- Body shall have a curvature accurately formed to meet the diameter of the pipe.
- Lubricant treated nuts to prevent galling.
- Gasket shall be securely glued or imbedded in the body of the clamp to ensure a positive seal against the pipe.
- NSF Standards 61.

**MATERIAL:**  
**Body:**

- Stainless steel, 18-8 type 304.

**Flange:**

- Stainless steel, 18-8 type 304.

**Nuts, Bolts & Washers:**

- Stainless steel, type 316.

**Gasket:**

- EPDM (ethylene propylene).
- Nitrile Buna-N (Acrylonitrile butadiene (NBR)).
- Viton; Fluorel (FKM)

**DESIGN:**

- For ductile iron, cast iron and PVC pipe.

**CONNECTION:**

- Flange shall conform to AWWA C228 Class SD and recessed for tapping valve (MSS-SP60).

**ADDITIONAL REQUIREMENTS:**

- This product is for connection of branch lines to existing in-service pipelines.



**MANUFACTURER:**

- FORD METER BOX STYLE FTSS
- JCM 432 SERIES
- POWER SEAL 3490AS SERIES
- ROMAC SST III SERIES

**RESTRICTIONS:**

<p><b>F 2.1 – TAP SLEEVES 4” THRU 12”, MECHANICAL JOINT CONNECTION/ FABRICATED STAINLESS STEEL:</b></p>	<p>Effective Date: <u>01-01-2026</u></p>
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**SPECIFICATION:**  
 Service saddles shall meet or exceed the performance specifications of:

- AWWA C110 mechanical joint dimensions.
- ASTM Standards D2000 gaskets seals.
- Outlet branch O-ring seal type gasket.
- 18-8 type 304 stainless steel.
- Welds shall be fully passivated for corrosion resistance.
- Body shall have a curvature accurately formed to meet the diameter of the pipe.
- Lubricant treated nuts to prevent galling.
- Gasket shall be securely glued or imbedded in the body of the clamp to ensure a positive seal against the pipe.
- NSF Standards 61.

**MATERIAL:**  
**Body:**

- Stainless steel, 18-8 type 304.

**Flange:**

- Stainless steel, 18-8 type 304.

**Nuts, Bolts & Washers:**

- Stainless steel, type 316

**Gasket:**

- EPDM (ethylene propylene).
- Nitrile Buna-N (Acrylonitrile butadiene (NBR)).
- Viton; Fluorel (FKM)

**DESIGN:**

- For ductile iron, cast iron, PVC and HDPE pipe.

**CONNECTION:**

- Mechanical Joint (MJ).

**ADDITIONAL REQUIREMENTS:**

- This product is for connection of branch lines to existing in-service pipelines.



**MANUFACTURER:**

- FORD METER BOX STYLE FTSS MJ
- JCM 432 SERIES MJ
- POWER SEAL 3490AS SERIES MJ
- ROMAC SST III SERIES MJ
- ROMAC SST-H (HDPE)

**RESTRICTIONS:**

HDPE tapping sleeve shall be wrapped in fabric prior to backfilling.

<b>F 3 – SEWER SERVICE SADDLES/ DUCTILE IRON/ STAINLESS STEEL STRAPS/ NON-PRESSURE:</b>	Effective Date: <u>01-01-2026</u>
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**SPECIFICATION:**

Ductile iron service saddles shall meet or exceed the performance specifications of:

- ASTM Standards A536 ductile iron.
- ASTM Standards D2000 gaskets seals.
- Type 304 stainless steel.
- Strap shall be a single strap three-inches or more wide.
- Welds shall be fully passivated for corrosion resistance.
- Straps shall have sufficient length to fit a wide range of pipe diameters.
- Fusion nylon or fusion epoxy coating, minimum 12 mils thick or shop coat paint finish.
- Lubricant treated nuts to prevent galling.
- Gasket shall be securely glued or imbedded in the body of the clamp or inserted in the body of the clamp to ensure a positive seal against the pipe.

**MATERIAL:**

**Body:**

- Ductile iron per ASTM Standards A536 Grade 65-45-12 or Cast Iron per ASTM A126.

**Straps:**

- Stainless steel, ASTM A 240 type 304

**Bolts, Nuts & Washers:**

- Stainless steel, ASTM A193, A194, A240 type 304

**Gasket:**

- SBR (Styrene Butadiene).
- Polyisoprene
- EPDM (ethylene propylene).
- Nitrile Buna-N (Acrylonitrile butadiene (NBR)).
- Viton; Fluorel (FKM).

**Coating:**

- Ductile iron= fusion epoxy, nylon or shop coat paint finish.

**RESTRICTIONS:**

- Hinged saddles are not acceptable
- To be used on existing mains only

**DESIGN:**

- For ductile iron, cast iron, and poly vinyl chloride (PVC) pipe.

**OUTLETS:**

- 4" and 6"



**MANUFACTURER:**

- ROMAC– STYLE “CB” SEWER SADDLE
- GENECO SEALTITE SEWER PIPE SADDLE
- FORD METER BOX FSS SEWER SADDLE