



Southeast Morris County Municipal Utilities Authority

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TAPPING SLEEVE

GENERAL

The Southeast Morris County Municipal Utilities Authority (referred to herein as the "Authority") is subject to the standard terms and conditions set forth by the Authority's Rules and Regulations, pursuant to N.J.S.A. 40:14B.

As a public water supply, the Authority is required to protect and provide safe drinking water to consumers in accordance with the N.J.A.C. 7:10 Safe Drinking Water Act Rules.

The Authority is committed to providing an efficient process for developers to achieve their project goals in accordance with the Authority's Rules and Regulations.

Developers interested in conducting business with the Authority shall comply with the standard terms and conditions mandated by the Authority's Rules and Regulations.

Developer shall mean applicant responsible for application, fees and contract agreement with the Authority.

REFERENCE

| | |
|-----------------------|---|
| ANSI/AWWA | American National Standards Institute/American Water Works Standards |
| C104/A21.4-13 | Cement-Mortar Lining for Ductile-Iron Pipe and Fittings |
| C110/A21.10-12 | Ductile-Iron and Gray-Iron Fittings |
| C111/A21.11-12 | Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings |
| C151/A21.51-09 | Ductile-Iron Pipe, Centrifugally Cast |
| C502-05 | Dry-Barrel Fire Hydrants |
| C509-09 | Resilient-Seated Gate Valves for Water Supply Service |
| C511-07 | Reduced-Pressure Principle Backflow Prevention Assembly |
| C651-05 | Disinfecting Water Mains |
| C700-09 | Cold-Water Meters -- Displacement Type, Bronze Main Case |
| C702-10 | Cold-Water Meters -- Compound Type |
| C703-11 | Cold-Water Meters -- Fire-Service Type |
| ASTM | American Society for Testing and Materials |
| ASTM B88 | Standard Specification for Seamless Copper Water Tube |
| N.J.S.A. 40:14B | New Jersey Statutes -- Title 40 Municipal and County Utilities Authorities Law |
| N.J.A.C. 7:10 | New Jersey Administrative Code -- Title 7 Safe Drinking Water Act Rules |
| NSF | National Sanitation Foundation International Standard |
| NSF/ANSI 61 | Drinking Water System Components -- Health Effects |
| Rules and Regulations | The Southeast Morris County Municipal Utilities Authority's Rules and Regulations |

REQUIREMENTS

1. Developers shall verify that all submittals conform to local, county and state ordinances.
2. Road opening permits on local and county roads shall be obtained by the developer. State road opening permits shall be obtained by the Authority at the developer's expense.
3. All excavation and backfill shall be the responsibility of the developer.
4. Only authorized personnel of the Authority will be permitted to make connections to the water mains of the Authority, access and operate curb stops, hydrants and valves as mandated by the Rules and Regulations.
5. All proposed materials shall be submitted for approval. Failure to submit information shall cause the Authority to reject work and deny water service.
6. All materials submitted for approval shall be of first-class high-grade quality, clean and sound and conform to the latest revisions of ANSI/AWWA Standards. No inferior or low-grade materials will be approved or accepted.
7. All materials shall be approved for NSF/ANSI 61 for potable drinking water.
8. All materials shall be manufactured in the United States of America.
9. As-built drawings shall be prepared and submitted to the Authority on a CD in PDF and CAD format, indicating the location of all facilities installed before water is turned on.

SPECIFICATIONS FOR TAPPING SLEEVE (see Section 7 of the Rules and Regulations):

1. Tapping sleeves shall be caulk type or mechanical joint type and hydraulically sealed at each end.
2. Tapping sleeves shall be suitable for 250 psi working pressure.
3. Prior to cutting pipe, sleeves shall be air tested.
4. All tapping sleeves shall be manufactured by the Mueller Company or approved equal.
5. Example provided in **Appendix E**.

APPENDIX E

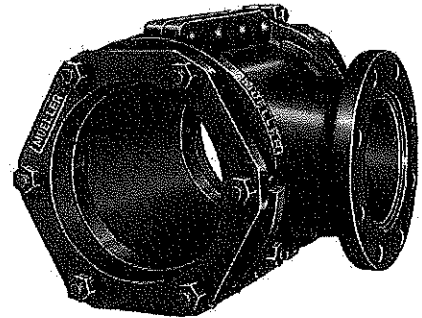
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MECHANICAL JOINT TAPPING SLEEVE FOR CENTRIFUGAL C.I., D.I., & PVC PIPE

Rev. 4-14 Shaded area indicates change

- Catalog number--
H-615 Mechanical Joint Tapping Sleeve - with Duck Tipped end gaskets
- Sizes-- 4"-24" main and outlet (see chart below for available size combinations)
- Outlet flange dimensions and drilling comply with ANSI B16.1, class 125 and with MSS SP-60.
- Certified to ANSI/NSF 61.
- Ductile Iron body with 3/4" NPT test plug.
- 4"-24" sizes--250 psig (1725 kPa/17 barg) maximum working pressure.



H-615

Tapping Sleeve pipe information

| Nominal size of main | O.D. range of sleeve | | Class and type of pipe | End Gasket part numbers |
|----------------------|----------------------|-------------|---|-------------------------|
| | Inch | mm | | |
| 4" | 4.74"-4.86" | 120.5-123.3 | Cast iron classes 100, 150, 200 and A - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200 | 195824 |
| | 4.87"-5.32 | 123.8-135.0 | Cast iron classes B, C, and D - A-C classes 100 and 150 | 195653 |
| 6" | 6.84"-6.96" | 173.8-176.7 | Cast iron classes 100, 150, 200, and A - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200 | 195825 |
| | 6.97"-7.40" | 177.1-187.9 | Cast iron classes B, C, and D - A-C classes 100 and 150 | 195654 |
| 8" | 8.99"-9.11" | 228.4-231.3 | Cast iron classes 100, 150, 200, A and B - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200 | 195826 |
| | 9.12"-9.62" | 231.7-244.2 | Cast iron classes B, C, and D - A-C classes 100 and 150 | 195655 |
| 10" | 11.04"-11.16" | 280.5-283.4 | Cast iron classes 150, 200, 250, A and B - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200 | 194680 |
| 12" | 13.14"-13.26" | 333.9-336.7 | Cast iron classes 150, 200, 250, A and B - all classes ductile iron - cast iron O.D. PVC plastic pipe classes 150 and 200 | 194638 |
| 14" | 15.22"-15.35" | 386.7-389.8 | Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron | 195127 |
| 16" | 17.32"-17.45" | 440.0-443.1 | Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron | 195128 |
| 18" | 19.42"-19.55" | 493.4-496.5 | Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron | 195266 |
| 20" | 21.52"-21.65" | 546.7-549.8 | Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron | 195129 |
| 24" | 25.72"-25.85" | 653.4-656.5 | Cast iron classes 50, 100, 150, 200, 250, A and B - all classes ductile iron | 195130 |

Sizes available

| Nominal size of main | Outlet size | | | | | | | | | |
|----------------------|-------------|----|----|-----|-----|-----|-----|-----|-----|-----|
| | 4" | 6" | 8" | 10" | 12" | 14" | 16" | 18" | 20" | 24" |
| 4" | X | - | - | - | - | - | - | - | - | - |
| 6" | X | X | - | - | - | - | - | - | - | - |
| 8" | X | X | X | - | - | - | - | - | - | - |
| 10" | X | X | X | X | - | - | - | - | - | - |
| 12" | X | X | X | X | X | - | - | - | - | - |
| 14" | - | X | X | X | X | X | - | - | - | - |
| 16" | X | X | X | X | X | X | X | - | - | - |
| 18" | X | X | X | X | X | - | X | X | - | - |
| 20" | X | X | X | X | X | X | X | X | X | - |
| 24" | X | X | X | X | X | X | X | X | X | X |



WARNING: Use on A-C pipe, which contains a known carcinogen, requires appropriate protective equipment and procedures be employed.