


CHARLOTTE

PIPE AND FOUNDRY COMPANY

System: Hubless Cast Iron Soil Pipe and Fittings

Scope: This specification covers hubless Cast Iron pipe, fittings, and couplings used in sanitary drain, waste, and vent (DWV), sewer, and storm drainage applications. This system is intended for use in non-pressure applications.

Specification: Hubless Cast Iron pipe and fittings shall be manufactured from gray cast iron with a tensile strength of not less than 21,000 psi. Regular hubless couplings shall be shielded and conform to CISPI Standard 310 or ASTM C 1277, with an elastomeric gasket meeting the requirements of ASTM C 564 and be certified by NSF[®] International. Heavy Duty hubless couplings shall be shielded and conform to ASTM C 1540, with an elastomeric gasket meeting the requirements of ASTM C 564.

Pipe and fittings shall comply with CISPI 301. Hubless couplings shall comply with ASTM C 564, and CISPI Standard 310 or ASTM C 1540. All pipe and fittings shall be made in the United States, and marked with the collective trademark of the Cast Iron Soil Pipe Institute, , and listed by NSF[®] International. All pipe and fittings shall be of the same manufacturer. All systems shall utilize a separate waste and vent system.

Installation shall comply with the latest installation instructions published by Charlotte Pipe and Foundry and shall conform to all applicable plumbing, fire, and building code requirements. Joints shall be made with hubless couplings and tightened using a calibrated torque wrench. The system shall be hydrostatically tested after installation to 10 ft. of head (4.3 psi maximum).

WARNING! Never test with or transport/store compressed air or gas in Cast Iron pipe or fittings. Doing so can result in explosive failures and cause severe injury or death.

Referenced Standards:

- ASTM C 564 Rubber Gaskets for Cast Iron Soil Pipe and Fittings
- CISPI 301 Hubless Cast Iron Soil Pipe and Fittings
- CISPI 310 Hubless Couplings for Cast Iron Soil Pipe and Fittings
- ASTM C 1277 Hubless Couplings
- ASTM C 1540 Hubless Heavy Duty Couplings

Note: Latest revision of each standard applies.