



Designation: A1118 – 21

Standard Index of Specifications for Cast Iron Soil Pipe and Fittings¹

This standard is issued under the fixed designation A1118; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This index identifies standard specifications that cover the manufacture of cast iron soil pipe and fittings used in sanitary and storm drain, waste, and vent applications. It also includes ductile iron sanitary sewer and culvert piping.

NOTE 1—The text of this standard references notes and footnotes which provide explanatory material. These notes and footnotes (excluding those in tables and figures) shall not be considered as requirements of the standard.

1.2 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Method of Designation

2.1 Cast iron soil pipe and fittings are designated in standards produced by ASTM International and other organizations. The index in Section 3 provides a list of both ASTM and non-ASTM issued standards, including the title and a brief description in parentheses to clarify issues related to inspection, purchasing, and the specification of these products.

3. Referenced Specifications

3.1 Cast iron soil pipe, fittings, couplings, and gaskets furnished in accordance with this index are covered by the following standards:

3.2 Cast Iron Soil Pipe and Fittings Standards:

ANSI/AWWA C105/A21.5 Polyethylene Encasement for Ductile-Iron Pipe Systems²

ASTM A48 Standard Specification for Gray Iron Castings³
(gray iron material specification)

ASTM A74 Standard Specification for Cast Iron Soil Pipe and Fittings³

(standard for hub and spigot, SV, and XH pipe and fittings)

ASTM A674 Standard Practice for Polyethylene Encasement for Ductile Iron Pipe for Water and Other Liquids³

ASTM A716 Standard Specification for Ductile Iron Culvert Pipe³

(standard for ductile iron culvert pipe)

ASTM A746 Standard Specification for Ductile Iron Gravity Sewer Pipe³

(standard for ductile iron gravity sewer pipe)

ASTM A888 Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications³

(standard for hubless cast iron soil pipe and fittings, NH)

ASTM A1109 Standard Specification for Special Fittings for Single-Stack Hubless Cast Iron Soil Pipe Fittings for Sanitary Drain, Waste, and Vent Piping Applications³

(standard for hubless single-stack specialty fittings)

ASTM A1111 Standard Specification for Cast Iron Closet Flanges for Use with Cast Iron Soil Pipe and Fittings in Gravity Flow Plumbing Drain, Waste, and Vent Sanitary Applications³

(standard for cast iron closet flanges used with cast iron soil pipe and fittings)

CISPI Designation 301 Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application⁴

(standard for hubless cast iron soil pipe and fittings, NH)

3.3 Coupling and Gasket Standards:

ASTM A1045 Standard Specification for Flexible Poly (Vinyl Chloride) (PVC) Gaskets Used In Connection of Vitreous China Plumbing Fixtures to Sanitary Drainage Systems³

(standard for gaskets for vitreous china fixtures to the piping system)

ASTM A1056 Standard Specification for Cast Iron Couplings Used for Joining Hubless Cast Iron Soil Pipe and Fittings³

(cast iron bodied couplings for hubless cast iron soil pipe and fittings)

¹ This index is under the jurisdiction of ASTM Committee A04 on Iron Castings and is the direct responsibility of Subcommittee A04.12 on Pipes and Tubes.

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² Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

³ For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

⁴ Available from Cast Iron Soil Pipe Institute (CISPI), 2401 Fieldcrest Dr., Mundelein, IL, 60060, <http://www.cispi.org>.

ASTM C564 Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings³

(specification for polychloroprene (neoprene) material; used to cover certain gaskets for joining of cast iron soil pipe and fittings, it is also used to specify hub and spigot gaskets, both SV and XH)

ASTM C1173 Standard Specification for Flexible Transition Couplings for Underground Piping Systems³

(standard for shielded and unshielded flexible transition couplings for underground applications)

ASTM C1277 Standard Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings³

(standard for hubless (CISPI 310) couplings)

ASTM C1440 Standard Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste, and Vent (DWV), Sewer, Sanitary, and Storm Plumbing Systems³

(standard for shielded or unshielded TPE couplings)

ASTM C1460 Standard Specification for Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings Above Ground³

(standard for shielded transition couplings)

ASTM C1461 Standard Specification for Mechanical Couplings Using Thermoplastic (TPE) Gaskets for Joining

Drain, Waste, and Vent (DWV), Sewer, Sanitary, and Storm Plumbing Systems for Above and Below Ground Use³

(standard for shielded TPE transition couplings for above and below ground)

ASTM C1540 Standard Specification for Heavy-Duty Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings³

(standard for heavy-duty shielded hubless couplings)

ASTM C1541 Standard Specification for Shielded Transition Couplings Using Flexible Polyvinyl Chloride (PVC) Gaskets to Connect Dissimilar DWV Pipe and Fittings³

(standard for shielded flexible PVC transition couplings)

ASTM C1563 Standard Test Method for Gaskets for Use in Connection with Hub and Spigot Cast Iron Soil Pipe and Fittings for Sanitary Drain, Waste, Vent, and Storm Piping Applications³

(test method for hub and spigot gaskets, both SV and XH)

CISPI Designation 310 Specification for Coupling Use in Connection with Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications⁴

(standard for hubless (CISPI 310) couplings)

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