
Standard Specification for Drainage, Sewer, Utility, and Related Castings

AASHTO Designation: M 306-10 (2023)

Technically Revised: 2010

Reviewed but Not Updated: 2023

Technical Subcommittee: 4f, Metals



American Association of State Highway and Transportation Officials
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1. SCOPE

- 1.1. This specification is applicable to frames, grates, rings, and covers for inlets, manholes, and other structures for civil engineering use where items may be placed in traffic service and load bearing is a consideration.
- 1.2. The values stated in SI units are to be regarded as the standard.

2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Standard:*
 - < M 105, Gray Iron Castings
- 2.2. *ASTM Standards:*
 - < A48/A48M, Standard Specification for Gray Iron Castings
 - < A536, Standard Specification for Ductile Iron Castings
 - < A644, Standard Terminology Relating to Iron Castings

3. TERMINOLOGY

- 3.1. *Definitions of Terms Specific to This Standard:*
 - 3.1.1. *manufacturer*—a producing foundry/facility where iron is melted and poured into molds.
 - 3.1.2. *supplier*—an agent, representative, or organization that provides castings that it did not manufacture.
 - 3.1.3. *purchaser*—the end user of the casting.
- 3.2. The preceding terms and definitions are specific to this specification. ASTM A644 contains other terms and definitions relating to gray iron castings.

4. MATERIALS

- 4.1. Gray iron castings shall conform to the requirements of M 105 Class 35B or ASTM A48/A48M Class 35B.