



Designation: C 361M – 03a^{€1}

METRIC

Standard Specification for Reinforced Concrete Low-Head Pressure Pipe [Metric]¹

This standard is issued under the fixed designation C 361M; 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 (€) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

€¹ NOTE—Editorial changes were made to mandatory language throughout in April 2004.

1. Scope

1.1 This specification covers reinforced concrete pipe intended to be used for the construction of pressure pipelines with low internal hydrostatic heads generally not exceeding 375 kPa.

1.2 This metric specification is the equivalent to Specification C 361 and is compatible in technical content.

NOTE 1—Field tests on completed portions of the pipeline are not covered by this specification for the manufacture of the pipe but should be included in specifications for pipe laying.

2. Referenced Documents

2.1 ASTM Standards:²

- A 27/A 27M Specification for Steel Castings, Carbon, for General Application
- A 36/A 36M Specification for Carbon Structural Steel
- A 82 Specification for Steel Wire, Plain, for Concrete Reinforcement
- A 185 Specification for Steel Welded Wire, Reinforcement, Plain, for Concrete
- A 283/A 283M Specification for Low and Intermediate Tensile Strength Carbon Steel Plates
- A 496 Specification for Steel Wire Reinforcement, Deformed, for Concrete
- A 497/A 497M Specification for Steel Welded Wire Fabric, Deformed, for Concrete Reinforcement
- A 570/A 570M Specification for Steel, Sheet and Strip, Carbon, Hot-Rolled

- A 575 Specification for Steel Bars, Carbon, Merchant Quality, M-Grades
- A 576 Specification for Steel Bars, Carbon, Hot-Wrought, Special Quality
- A 611 Specification for Structural Steel, Sheet, Carbon, Cold-Rolled
- A 615 Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement
- A 675/A 675M Specification for Steel Bars, Carbon, Hot-Wrought, Special Quality; Mechanical Properties
- C 31 Practice for Making and Curing Concrete Test Specimens in the Field
- C 33 Specification for Concrete Aggregates
- C 39 Test Method for Compressive Strength of Cylindrical Concrete Specimens
- C 150 Specification for Portland Cement
- C 260 Specification for Air-Entraining Admixtures for Concrete
- C 309 Specification for Liquid Membrane-Forming Compounds for Curing Concrete
- C 497M Test Methods for Concrete Pipe, Manhole Sections, or Tile (Metric)
- C 595 Specification for Blended Hydraulic Cements
- C 618 Specification for Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Concrete
- C 822 Terminology Relating to Concrete Pipe and Related Products
- D 395 Test Methods for Rubber Property—Compression Set
- D 412 Test Methods for Vulcanized Rubber and Thermoplastic Elastomers—Tension
- D 471 Test Method for Rubber Property—Effect of Liquids
- D 573 Test Method for Rubber—Deterioration in an Air Oven
- D 698 Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (12 400 ft-lbf/ft³ (600 kN-m/m³))

¹ This specification is under the jurisdiction of ASTM Committee C13 on Concrete Pipe and is the direct responsibility of Subcommittee C13.04 on Low Head Pressure Pipe.

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² 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.