
Standard Specification for
Corrugated Aluminum Pipe
for Sewers and Drains

AASHTO Designation: M 196-16

Release: Group 2 (June 2016)

ASTM Designation: B745/B745M-95



American Association of State Highway and Transportation Officials

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1. SCOPE

- 1.1. This specification covers corrugated aluminum pipe intended for use for storm water drainage, underdrains, the construction of culverts, and similar uses. Pipe covered by this specification is not normally used for the conveyance of sanitary or industrial wastes.
- 1.2. This specification does not include requirements for bedding, backfill, or the relationship between earth cover load and sheet thickness of the pipe. Experience has shown that the successful performance of this product depends upon the proper selection of sheet thickness, type of bedding and backfill, controlled manufacture in the plant, and care in the installation. The purchaser must correlate the above factors and also the corrosion and abrasion requirements of the field installation with the sheet thickness. The structural design of corrugated aluminum pipe and the proper installation procedures are given in *AASHTO LRFD Bridge Design Specifications* and *AASHTO LRFD Bridge Construction Specifications*.

2. REFERENCED DOCUMENTS

2.1. *AASHTO Standards:*

- M 197, Aluminum Alloy Sheet for Corrugated Aluminum Pipe
- M 232M/M 232, Zinc Coating (Hot-Dip) on Iron and Steel Hardware
- T 249, Helical Lock Seam Corrugated Pipe
- *AASHTO LRFD Bridge Design Specifications*
- *AASHTO LRFD Bridge Construction Specifications*

2.2. *ASTM Standards:*

- A 563M, Standard Specification for Carbon and Alloy Steel Nuts (Metric)
- B221M, Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric)
- B316/B316M, Standard Specification for Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods
- B633, Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel
- B666/B666M, Standard Practice for Identification Marking of Aluminum and Magnesium Products
- B695, Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel
- C990, Standard Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants