
Standard Specification for Cotton Duck Fabric Bridge Bearings

AASHTO Designation: M 351-23¹

Adopted with Editorial Revisions: 2023

Technical Subcommittee: 4e, Joints and Bearings



American Association of State Highway and Transportation Officials
555 12th Street NW, Suite 1000
Washington, DC 20004

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1. SCOPE

- 1.1. This specification covers the material requirements for cotton duck fabric bridge bearings. Cotton duck fabric bearings furnished under this specification shall adequately provide for thermal expansion and contraction; rotation; camber changes; and creep and shrinkage, where applicable, of structural members. Cotton duck fabric bearings may be either fixed bearings or sliding bearings. Cotton duck fabric bearings as herein defined shall include fabric bearings, preformed fabric bearings, cotton duck pads, and cotton duck bearings.
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2. REFERENCED DOCUMENTS

- 2.1. *AASHTO Specifications:*
- < *Standard Specifications for Highway Bridges*
 - < *AASHTO LRFD Bridge Design Specifications*
- 2.2. *ASTM Standards:*
- < A240/A240M, Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
 - < A264, Standard Specification for Stainless Chromium-Nickel Steel-Clad Plate
 - < D2240, Standard Test Method for Rubber Property—Durometer Hardness
 - < D4894, Standard Specification for Polytetrafluoroethylene (PTFE) Granular Molding and Ram Extrusion Materials
 - < D4895, Standard Specification for Polytetrafluoroethylene (PTFE) Resin Produced from Dispersion
 - < E29, Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications
- 2.3. *Military Specifications:*
- < MIL-C-882E, Cloth, Duck, Cotton or Cotton-Polyester Blend, Synthetic Rubber, Impregnated, and Laminated, Oil Resistant
 - < MIL-E-5272, General Specification for Environmental Testing, Aeronautical, and Associated Equipment
- 2.4. *The Association for Materials Protection and Performance (AMPP) Specification:*
- < SSPC-SP 10/NACE No. 2, Near-White Metal Wet Abrasive Blast Cleaning