



AmericanBilrite
IndustrialRubber



**ATLAS BEARING
PADS™ can help
your structures
stand the test
of time.**

ACCORDING TO GREEK MYTHOLOGY, ATLAS WAS CONDEMNED TO HOLD UP THE SKY FOR ALL ETERNITY. DON'T WORRY, RUBBER IS FAR LESS DRAMATIC.

AASHTO* Grade Bearing Pads in Neoprene and Natural Rubber are not just for bridge bearing, although they have been used for more than a half of a century in that role. Our technical department recommends these products frequently wherever a high-grade, STRONG neoprene or natural rubber is required.

Introducing Our ATLAS BEARING PADS™

Bearing pads are designed to evenly transfer the load from the beams to the supports in bridge bearing and structural applications. Movement and vibration are primarily caused by expansion and contraction and this must be absorbed by the pad. Thermal forces must also be considered in the selection process. The vertical load between the superstructure and the substructure must still permit limited horizontal movement. Elastomers like high-grade natural rubber and neoprene are the ideal solution to allow these hampered shifts. The design must calculate the type and size of the bearing required according to the allowable surface pressure and amount of movement and rotation it must absorb. The anticipated horizontal motion greatly impacts the total rubber used in each bearing.

Produced from premium ingredients and featuring tensile strength of 2250 psi minimum, ATLAS BEARING PADS™ are an enduring solution for the long haul.

Our AASHTO GRADE ATLAS BEARING PADS™ should be considered for:

- ✦ Pre-cast and pre-stressed concrete
- ✦ Buildings with structural steel beams / Steel reinforced concrete
- ✦ Industrial Machinery / Heavy Equipment Foundations
- ✦ Railway tie pads
- ✦ Shock and vibration isolation
- ✦ Pads between girders and columns
- ✦ Pads between substructures
- ✦ New construction AND rehabilitation of existing structures
- ✦ Buildings, arenas, tunnels, infrastructure

*AASHTO: American Association of State Highway and Transportation Officials.





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We produce our **ATLAS BEARING PADS™** to meet these **AASHTO Specifications:**

- † **ATLAS Natural Rubber:** Meets AASHTO standard specification for plain and laminated elastomeric bridge bearing pads, M251-06, polyisoprene, grade 2. Also meets AASHTO LRFD† bridge construction specification, section 18.2.
- † **ATLAS Neoprene:** Meets AASHTO standard specification for plain and laminated elastomeric bridge bearing pads, M251-06, polychloroprene, grades 0, 2, and 3. Also meets AASHTO LRFD bridge construction specification, section 18.2.

Please keep in mind that we carry several durometers of **ATLAS Neoprene**. We stock several gauges in our warehouses throughout the **United States and Canada**. Other sizes are available upon request. Please contact us today for more information or to request a quotation.

ATLAS - Perseverance under pressure.

† LRFD: Load and resistance factor design. A design factor used in structural engineering. This specification is often in demand for railroad applications. The LRFD philosophy provides a more uniform, systematic, and rational approach to the selection of load factors and resistance factors than LFD- Load Factor Design. LFD was mostly based on experience and judgment. The preceding standard was ASD- Allowable Stress Design. The principle reason for converting to LRFD is to increase uniformity of safety standards in different types of structures. Most federally funded projects in the United States, require LRFD in their design method. LRFD has been used in Canada since 1974. There, it is known as limit states design. Load and resistance factors in LRFD are based on probability-based statistics, and are the new standard in structural design.

It is not uncommon for certain states to specify requirements other than standard AASHTO specifications. Please identify all requirements prior to ordering.

Note: Shear modulus testing must be done on completed bridge bearing and is the responsibility of the bridge bearing manufacturer. AASHTO Grade ATLAS BEARING PADS™ have special gauge tolerances; please ask for details. Please ensure the product meets your application specifications prior to order placement. Specifications are subject to change without notice. The website version prevails.

ISO
9001•14001
CERTIFIED

American Biltrite
Rubber Pioneers Of
The 21st Century

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