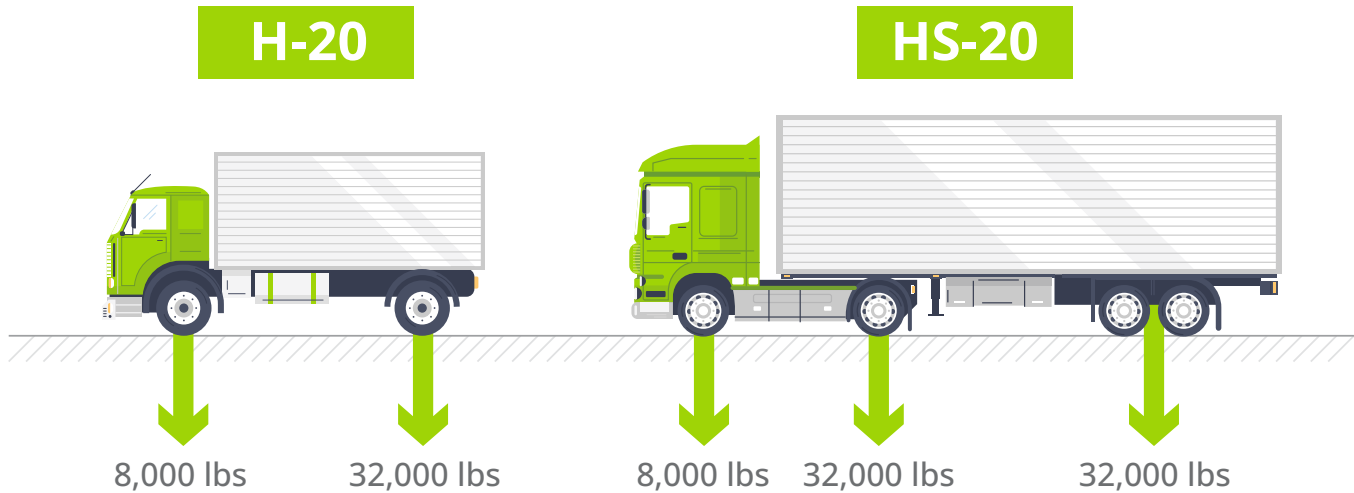


H-20/HS-20 Loading

H-20 and HS-20 are live load ratings defined by the American Association of State Highway and Transportation Officials (AASHTO) used in the design of bridges and other suspended structures, such as concrete vault lids. The primary distinction between H-20 and HS-20 involves the axle configurations.



Newstone Pavers' Compliance with AASHTO H-20/HS-20 Loading Design Standards

Newstone pavers are manufactured to meet or exceed all applicable CSA and ASTM specifications. Meeting or exceeding these standards means that Newstone pavers have been rigorously tested and adhere to the highest quality benchmarks in the industry. This guarantees that our pavers are not only durable and reliable but also safe for use in various construction and landscaping projects.

The average compressive strength of Newstone pavers is 55 MPa (8,000 psi), with no individual unit being less than 50 MPa (7,200 psi). Typically, our pavers have a strength of 65-70 MPa (9,500 psi - 10,000psi). This robust strength ensures they can easily handle H20/HS-20 loading.

As an example, consider fire trucks, which have a heavy load distributed over a conservative tire contact area of 8 inches by 8 inches under each wheel. Each front wheel exerts a pressure of 187.5 psi (12,000 pounds/64 square inches). Our pavers can handle this wheel load by a factor of 40.

