



Mechanically Fastened Joints Improved Durability for Aluminum Trailers

Timpte is committed to building the highest quality trailer in the market. By building our trailers using mechanically fastened joints we can achieve maximum strength, durability, and longevity out of the aluminum. Other aluminum trailer manufacturers rely on welding to assemble their trailers. Welding is a cheap and easy construction method, but ultimately reduces the structural integrity of an aluminum trailer by up to 40%.



Benefits of Mechanically Fastened Joints

Structural Integrity

By using mechanically fastened joints instead of structural welds the trailer integrity is never weakened.

Maintenance & Repairs

Fastened joints can be easily inspected, adjusted, or replaced when needed. Welds are more difficult and expensive to repair.



Avoid Fatigue Cracking & Failure

Structural welds are more prone to cracking and fatigue than mechanical fasteners. If a weld flexed the failure can be catastrophic.

Meticulous Craftsmanship

Building a trailer using mechanical fasteners requires meticulous craftsmanship and attention to detail. Each component must be consistent.