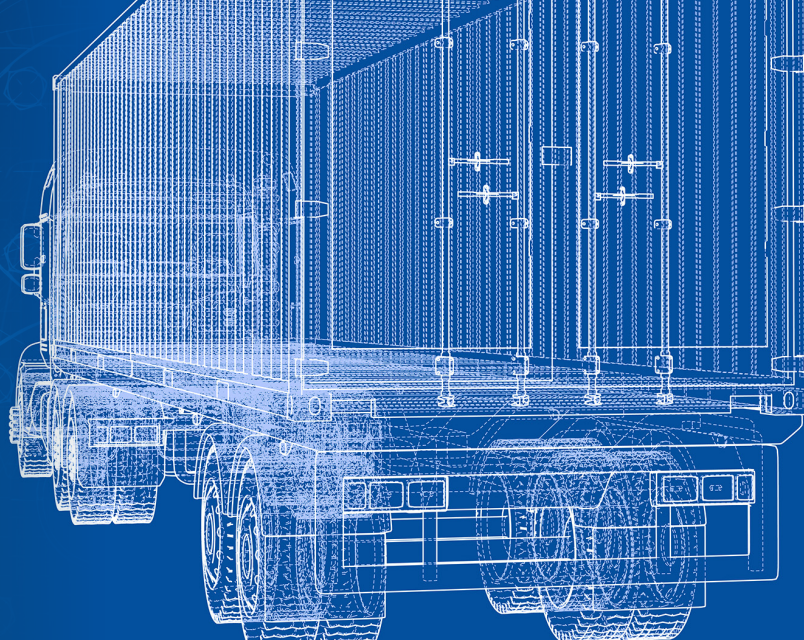


CASE STUDY

Auto Bolt Saves Truck Trailer Manufacturer from Unreliable Parts



Overview

Auto Bolt was selected by a leading manufacturer in the truck trailer industry to fix an assembly issue with one of their trailer bolts. The bolts would often come into their facility not manufactured to specification and were failing at an average rate of 25%. This led to frequent unplanned downtime and production loss.

Knowing that their name and business was at stake, the manufacturer turned to Auto Bolt for their proven expertise and reliability.

Opportunity

The problem with the bolts was nonconforming dimensions. The inconsistent manufacturing of the part led to nonconforming parts to be mixed throughout a production run. This led to frequent assembly issues and failed connection of the gusset/frame interface on the trailer. Visibly the difference between a good part and a bad part was very slight. The operator typically would not know they had a bad part until they started the assembly process.

The previous supplier could not produce conforming parts. In addition, they were inflexible in reviewing part dimensions, their process, and the trailer assembly process for possible solutions. Their inflexibility to listen and be proactive ultimately forced their customer to seek new partners.

Solution

Auto Bolt reviewed the samples of both nonconforming and conforming parts from the customer and were quickly able to identify the root causes for the nonconformance. Just as important, Auto Bolt listened to the customer as they explained and showed the assembly process. This led to dimensional changes which would both lend to themselves to better consistency for manufacturing and improved assembly for the customer.

The changes that were introduced were minor changes to the original design, but critical to producing consistent product that met and exceeded our customer's expectations.

Conclusion

After witnessing Auto Bolt's engineering ingenuity, the manufacturer has chosen them as their sole parts source. As their parts source partner, Auto Bolt has built and maintained a successful relationship built around quality and continued reliability.

This part has been enhanced further beyond the first time that it was supplied to the customer, showing Auto Bolt's continued innovation. These parts are now used in the Class 8 Truck trailer industry to hold gussets to truck trailer frames.

About Auto Bolt

You need a partner who gives you a customized approach that starts with quick, accurate quoting and carries through to CAD drawings, die design, and finally, delivery. You need American craftsmanship that delivers value, including better quality and greater durability. You need a partner so you can focus on efficiency and growth of your business.

Auto Bolt will deliver a personalized customer experience that ensures the success of your project. Whether you know exactly what you need and can simply send us your print, or if you need guidance and engineering support, we're there to make the process as seamless as possible. Every day, we deliver highly engineered products at a price you can afford. Move beyond service and enjoy the Auto Bolt Experience.

To request a quote or learn more about the Auto Bolt Experience, visit our website: <https://www.autoboltusa.com/request-a-quote>



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