



# Maintenance-Free Fasteners for Trucks and Trailers



# Huck® Fasteners

## The Standard for Maintenance-Free Truck and Trailer Fastening

For over 30 years, the Huck® brand has set the standard for joining technology with a range of vibration-resistant, maintenance-free fastener options. From shock mount and suspension member installations on trucks to floor and subframe assemblies on trailers, Huck fasteners provide the industry's most advanced fastening solutions. Huck fasteners are 100% maintenance-free. No re-checking. No re-torquing. No re-tightening. Ever. So, a truck or trailer that is assembled using Huck fasteners represents a better value, delivers better life cycle value through, reduced warranty claims, and longer life.

## Not Just Manufactured. Huck®-Engineered

Unlike conventional nuts and bolts, HuckBolts® and structural blind rivets are the result of advanced engineering and manufacturing processes. These fasteners are designed and manufactured to the highest standard of quality — providing clamp, tensile strength, fatigue strength, and vibration resistance that is unmatched by any other fastener.



## Wide Range of Fastening Applications

You'll find fasteners from Howmet Fastening Systems in a number of critical areas of trucks and trailers. In truck chassis, HuckBolts swage-on to ensure the long-term joint integrity of shock mounts, suspension members, ladder assemblies, and 5th wheel angles. And they never require inspection, re-tightening or re-torquing.

For trailers, HFS offers a broad range of fasteners including HuckBolts and both structural and non-structural blind fasteners for the assembly of sub-frames, kick rails, various panels, roof assemblies, and floors. Each of these fasteners delivers the industry's best combination of clamp, tensile strength, and zero-maintenance performance.

# Fasteners for Truck and Trailers

Howmet Fastening Systems and Rings, provides the industry with a wide range of large and small diameter fasteners for a wide range of applications.



## BobTail®

The BobTail® continues the HuckBolt tradition by delivering both high clamp and tensile strength, and never loosening even in the highest vibration environments.



## Huck-Spin® 2

Evolution of the original Huck-Spin® Fastener. Allows for longer tool life with improved installation speed.



## U-Spin®

The U-Spin® provides the same level of clamp and tensile strength as a traditional HuckBolt, but in a “U-Bolt” design. And unlike conventional U-Bolts, the U-Spin never needs re-tightening or re-torquing.



## HuckLok®/Auto-Bulb™/ Magna-Bulb®

These structural rivets combine a wide grip range with the high shear and tensile strength of a structural fastener. These proprietary fasteners also offer a large blind-side footprint, which makes them ideal for use with lower strength materials or thin sheet joints.



## BOM®

The BOM® is a high-strength blind bolt offering an alternative to threaded fasteners or welding. Its large blind side footprint makes it ideal for lower strength or thin sheet joint materials.



## Hucktainer®

The Hucktainer® is uniquely engineered for use in structures fabricated from fiberglass reinforced plywood, metal-clad panels, and other composite materials. Because they're designed to distribute force over a wide area, they won't crush, craze, or bull-nose composite panels.



## FloorTight®

FloorTight® blind fasteners are significantly stronger and install more consistently than conventional flooring screws. This eliminates the possibility of crushing or pulling through the board. FloorTight fasteners also feature a recessed pinbreak.



## Magna-Lok®

Magna-Lok® is a hole-filling fastener that can be installed with conventional installation tools. It has a unique circle-lock feature, which means a simple visual inspection ensures it is installed properly, 100% of the time. Magna-Lok is moisture-resistant, and is available in steel, stainless steel, or aluminum.



## Magna-Grip®

Huck® Magna-Grip® is the ideal fastener where a wide grip range is required and a flush bolt break to the collar is beneficial.

In addition to the Huck brand, Howmet Fastening Systems engineers and manufactures a broad selection of specialty fasteners.



## Marson® Blind Rivets

Marson® blind rivets are available in Buttonhead, Large Flange, and Countersunk head styles in sizes ranging from 3/32" to 1/4". Marson Rivet Nuts provide low-cost, permanent thread replacement and are available in a variety of styles, sizes, and materials.



## Keysert® Solid Inserts

Keyserts are solid, one-piece, key-locking inserts used to repair damaged threads or for use in original equipment. The Keysert® locking keys provide a positive mechanical lock which prevents rotation due to vibration or torsion. Keyserts are available in carbon or stainless steel, both in inch and metric series.



## Recoil® Threaded Inserts

Recoil® threaded inserts deliver positive locking performance and long thread life in even the most vibration-intensive applications.



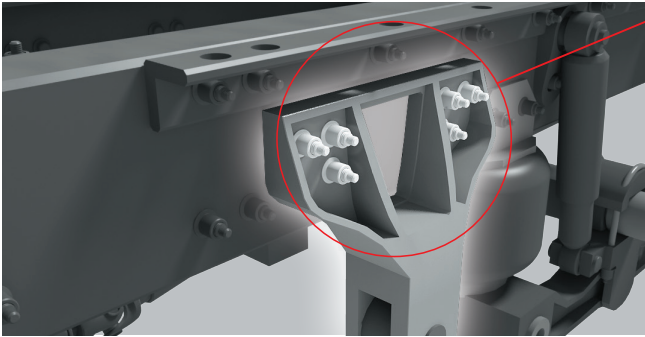
## Camloc®

Camloc® quick-release fasteners are available with a choice of 1/4 turn, push-turn or push-push operation. Camloc draw latches provide an adjustable, durable method for securing parts that are open or removed frequently.



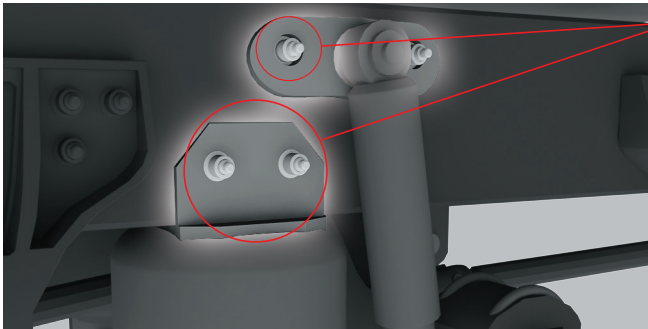
# Truck and Chassis Applications

HuckBolts are proven to contribute to the overall strength, durability and performance of the vehicle throughout its lifetime. The examples below are just a few of the critical applications where HuckBolts have proven themselves, time and again. Trucks and chassis both benefit from the use of HuckBolts in several critical applications, ultimately reducing warranty claims and providing maintenance-free performance.



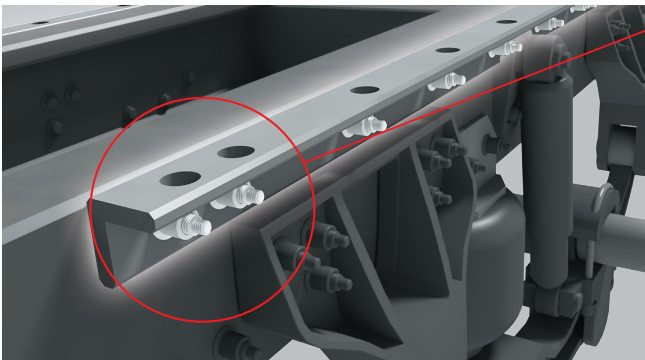
## Suspension Members

It would only take one loose fastener to lead to a cracked suspension hanger alignment problem or worse. In this critical application, HuckBolts provide strong, durable joints that in turn, provide peace-of-mind.



## Air Bag & Shock Mounts

Since HuckBolts provide unmatched shock and impact absorption, air bags and shocks mounted using these fasteners offer a much higher level of impact resistance.



## Fifth Wheel Angle Assembly

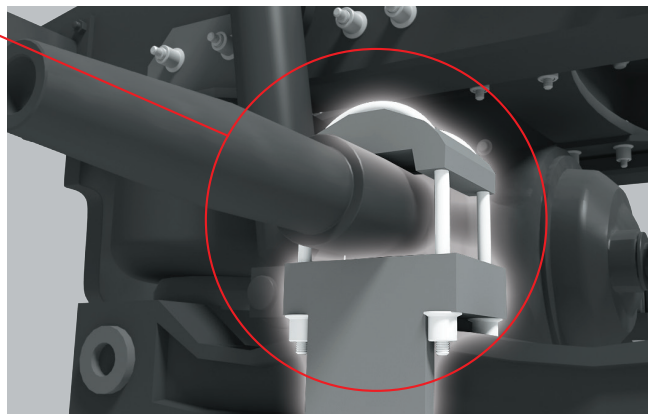
The security of the truck/trailer connection is highly dependent upon the integrity of the fasteners that connect the two. Vibration-resistant Huck fasteners act as permanent components, making the fifth wheel an extension of the frame itself.



## Axle Connection

Traditional U-bolts must be maintained at 10,000 and 50,000 miles.

In contrast, the Huck U-Spin provides a permanent joint and never requires re tightening or re touring.

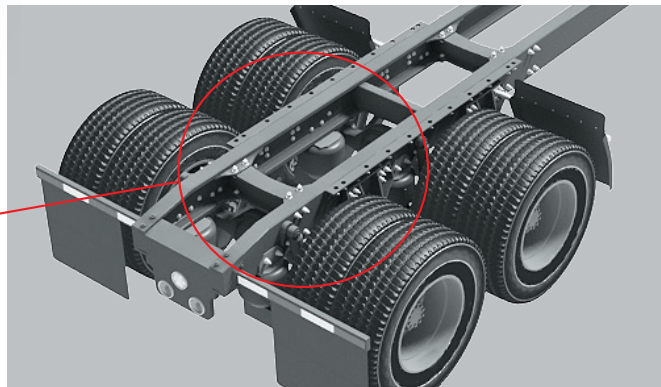


## Truck Cab

In truck cab applications, Magna-Lok, HuckLok and Magna-Grip provide maintenance-free joints for many different components- including storage compartments, vent openings, door and floor structures, skin reinforcements and firewall assembly. Using Huck lock bolts and blind fasteners reduces cost and assembly time while eliminating safety issues of welding.

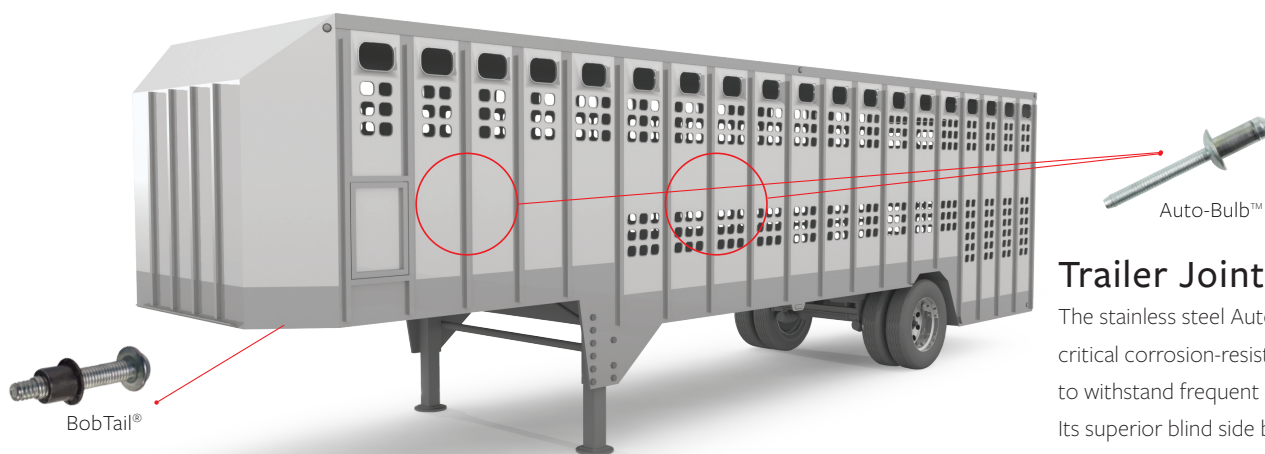
## Ladder Assembly

In this application, HuckBolts ensure the frame performs as a single, one-piece unit. The built-in strength provided by these fasteners greatly reduces maintenance and extends the life of the truck.



# Trailer Applications

The structural integrity of any trailer is dependent on the strength of the fasteners. HuckBolts provide joint strength and overall durability to a variety of common trailer assembly applications, as shown below. No matter the industry, Huck fasteners are built to last, offering maintenance-free long life, and fewer warranty claims.



## Cross Members

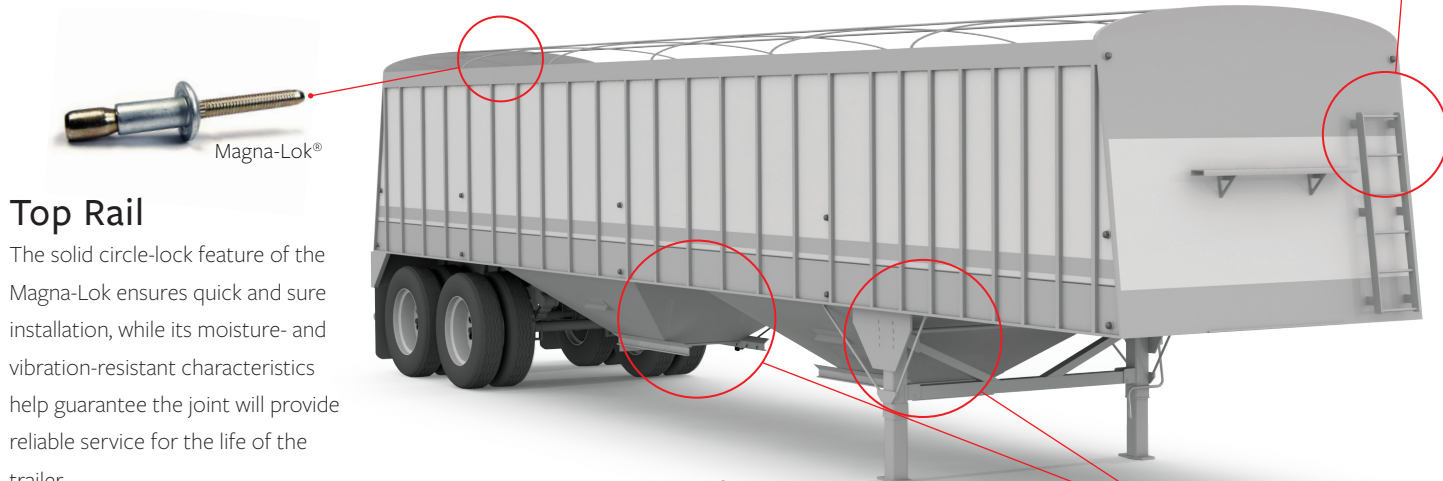
Cross members provide significant structural support, and when fastened with the Huck BobTail, you can be sure the support will be as strong as possible. BobTail's high structural strength and proven durability adds to the service life of any trailer design.

## Trailer Joints

The stainless steel Auto-Bulb offering critical corrosion-resistance, is designed to withstand frequent acid washing. Its superior blind side bulbing action makes it ideal for installation within thin materials as well as, oversized, misaligned, or slotted holes.

## Ladder Attachment

The Huck BOM's combination of high shear capacity and tensile force ensures the long-term integrity of this critical joint.



## Top Rail

The solid circle-lock feature of the Magna-Lok ensures quick and sure installation, while its moisture- and vibration-resistant characteristics help guarantee the joint will provide reliable service for the life of the trailer.

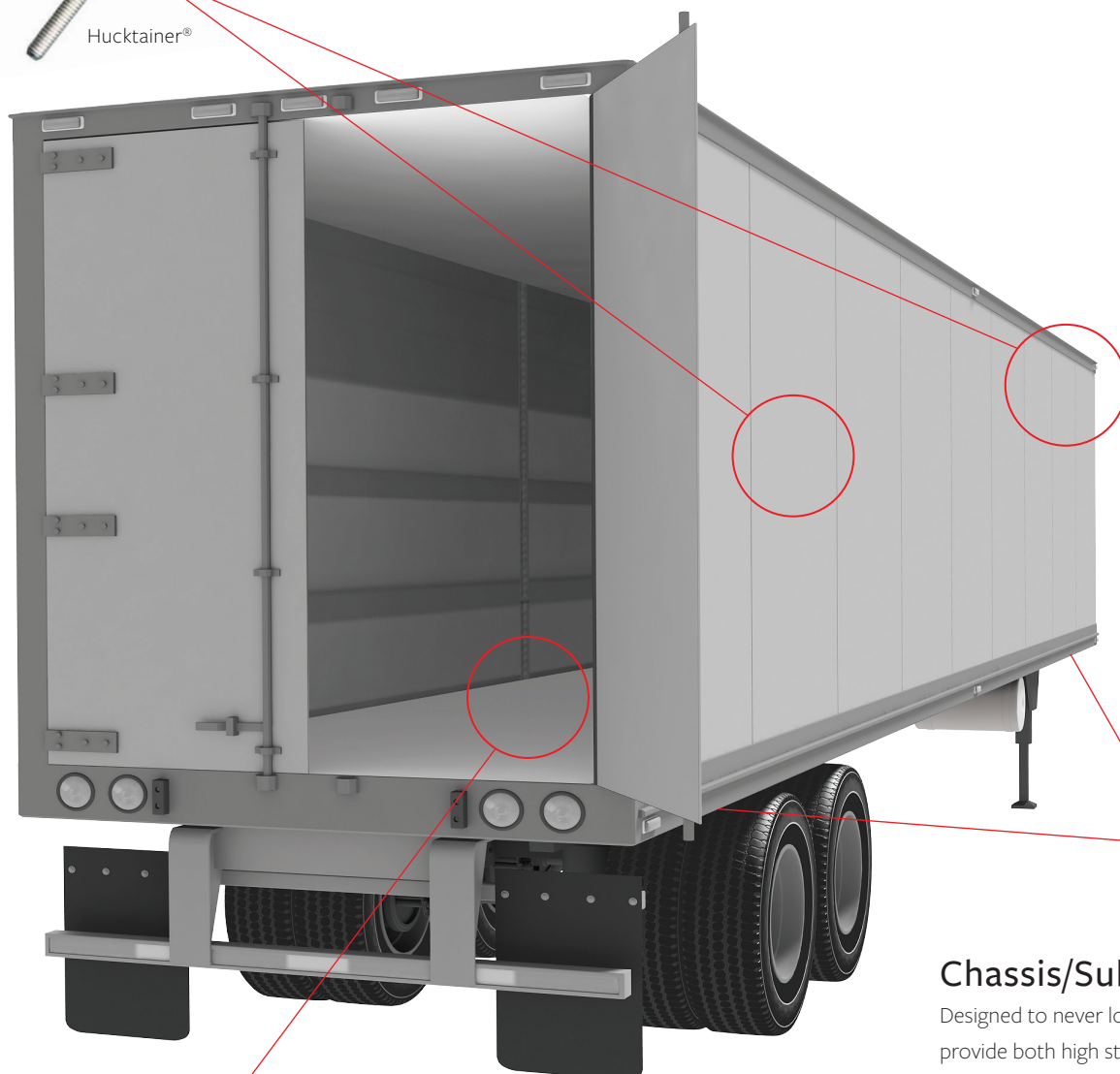
## Grain Chute

The stainless steel BobTail, with a polished head is designed to keep chute seams tight, eliminating lost product.



## Metal-Clad Panels

The Hucktainer swaged lockbolt contributes a high degree of strength and vibration-resistance, whether used with sheet metal, fiberglass reinforced plywood, or metal-clad panels.



## Chassis/Subframe Assembly

Designed to never loosen, BobTail HuckBolts provide both high structural strength and industry leading durability for critical subframe-to-chassis assemblies.

## Floor



The proprietary Floortight blind rivet provides superior strength and vibration resistance, adding to the life and durability of the trailer floor.



# Howmet Fastening Systems

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