



# Still welding?

## HuckBolts

Vibration-resistant, rapid direct-tension installation.

- ✓ Increased Safety
- ✓ Consistent
- ✓ Faster
- ✓ Cost-effective
- ✓ Simple

Vibration-resistant, direct-tension HuckBolts from Applifast change the equation. The reasons to switch from welding to HuckBolts couldn't be stronger. Fastening with HuckBolts means consistent clamp, and a stronger joint. Ease and speed of installation. Quick, visual inspections. And no costly skilled labour. Safer. Faster. Simpler. More cost-effective.

HuckBolts from Applifast are offered in a wide range of sizes (up to 1-3/8") and materials, consisting of a pin and a collar. These advanced fasteners are installed using a direct-tension technique, in which the pin is pulled and the collar is simultaneously swaged into the locking grooves of the pin, deforming the collar into the grooves.

Based on their design and unique direct-tension installation, HuckBolts from Applifast ultimately deliver superior joining strength, shear and tensile strength for an unmatched vibration-resistant fastening solution.

**SAFETY, SIMPLICITY, SPEED, COST-SAVINGS AND STRUCTURAL INTEGRITY ARE FIVE STRONG REASONS WHY HUCKBOLTS FROM APPLIFAST ARE SUPERIOR TO WELDING, PROVEN FOR OVER 30 YEARS OF VIBRATIONRESISTANT PERFORMANCE IN THE BRUTAL TRUCKING AND RAIL INDUSTRIES.**



### FEATURES:

- Can be effectively used with virtually any metal and dissimilar metals
- Metals with dissimilar coefficients of thermal expansion will present no problems
- Eliminates housekeeping and safety issues integral to the welding process
- Easy to install systems can reduce production time by 75%
- Installed using a quiet, jolt-free swaging action, eliminating potential for repetitive stress syndrome issues
- Highly ergonomic process with minimal operator training
- Lightweight installation tooling

### Contact Applifast

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## Applifast Huck vs Welding Comparison Chart

	HuckBolt® Fastening	Welding
<b>Speed of Operation</b>	Fast	Varies: generally slow
<b>Operator Skill Required</b>	Low	Varies: generally high
<b>Safety Issues</b>	Highly ergonomic process, no safety issues	Sparks can pose fire hazard
<b>Cleanliness of Work Area</b>	New generation BobTail® HuckBolts require no pintail. Mandrel collection contains mandrels on Huck Blind Structural Rivets	Spent welding rods and slag are housekeeping issues
<b>Strength Dependent on Thickness</b>	Thickness is not a factor	Can be a possibility
<b>Hole Required</b>	Yes	No
<b>Cleanliness Requirements</b>	No cleaning required	Materials must be cleaned before joining
<b>Inspection Requirements</b>	Quick, visual inspection all that is required	Time consuming and costly
<b>Removability / Rework</b>	Quick and easy with BobTail® Fasteners	Extremely difficult and time consuming
<b>Surface Finish Requirements</b>	All finishes are okay	Bare finish required
<b>Ability to Join Dissimilar Materials</b>	No problem	Can be a problem
<b>Ability to Join Materials of Dissimilar Thermal Expansion</b>	No problem	Can be a problem
<b>Maintaining Strength Over Time</b>	Yes	Yes
<b>Ability to Accommodate Flexing</b>	No problem	Can be a problem
<b>Assembly After Painting</b>	Yes, can be assembled before or after painting	No, must be welded before paint process or existing paint must be stripped to bare metal

There are a number of reasons why many manufacturers of heavy equipment are actively investigating the possibility of using direct-tension lockbolts in their assembly process. To begin, even taking into consideration the need to drill a hole, installing a lockbolt is significantly faster than welding a joint. And a quick visual inspection is all that is required to confirm the accuracy and quality of the installation. In addition, an operator requires a minimal amount of training in order to be proficient in the installation of HuckBolts. One is no longer at the mercy of a limited pool of expensive skilled labour.

HuckBolts can be effectively used with virtually any metal, and dissimilar metals with dissimilar coefficients of thermal expansion present no problems. Varying piece sizes in a joint are readily accommodated, and surface finishes are not harmed. And most importantly, HuckBolts are proven to hold up over years of service in demanding high-stress, high-vibration environments.

Finally, employing lockbolts, such as the HuckBolt, in key joining applications eliminates all of the housekeeping and safety issues that are integral to the welding process. HuckBolts are installed using a quiet, jolt-free swaging action, eliminating the potential for repetitive stress syndrome issues. There are no sparks to start fires or cause explosions, nor any debris on the floor that can lead to slips and falls.

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