



PREMIER
MANUFACTURING CO.

WHITE PAPER

Extending Durability and Reducing Wear:

WHY GALVANIZING IS **NOT** THE ONLY OPTION



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EXTENDING DURABILITY AND REDUCING WEAR: WHY GALVANIZING IS **NOT** THE ONLY OPTION

Having confidence in yourself and the equipment you depend on is not an option when hauling a heavy load in less-than-ideal conditions. Extreme heat or cold, prolonged moisture exposure, or dirty, dusty conditions can dramatically reduce the life of certain parts of your equipment. That's why some people consider galvanization, a process that bonds molten zinc and steel to form a strong, durable coating on the material. Specific areas more prone to wear can benefit; higher corrosion resistance, increased durability, and extended longevity are all possible with proper galvanization. The concept isn't new, and it's appropriate in the extreme environments mentioned above.

However, there are limits to its use...



Certain coupling equipment parts, like pintle hitches and drawbar eyes, are already heat treated to withstand harsh environments and conditions.

NEVER GALVANIZE THESE PARTS, AS DOING SO CAN CHANGE THEIR STRUCTURAL COMPOSITION AT A MOLECULAR LEVEL, POSSIBLY LEADING TO CATASTROPHIC FAILURE.

Some hinges and front end assemblies can be galvanized, but special attention is required to tolerances on the housing and the pins and bushings.

A leading supplier in this space is Premier Manufacturing, based in Tualatin, Oregon. Rather than galvanizing Premier Mfg products, engineers have created a proprietary primer and paint that can closely match galvanization's durability while staying within tolerances and not interfering with the bushings or the pins' functions. And the primer and paint are far cheaper than the process of galvanization.

Premier Manufacturing specializes in offering incredibly durable, well-built pintle hitches and assorted trucking assemblies and jacks.

Premier Manufacturing's engineering team has created numerous innovative designs for all of its products, including those fighting corrosion (Extended Life) to those that harden with use (Premalloy). The Saf-Tite line of couplings and pintle hitches can handle your heaviest loads, while the new Saf-T-Latch assembly ensures that the latching system is closed while your vehicle is in motion, all by using a small auxiliary air cylinder that connects to the trailer brakes.



Premier Manufacturing is a private, American-owned company with roots going back almost a century, with the invention of the pintle hitch by founder Dewey Weiss.

Independent Fleet testing proved successful, with 8 of the top 10 LTL carriers specifying Premier Mfg equipment to handle their trucking needs while moving goods across our great nation.

Reach out to Premier Mfg today and discover more about the complete line of world-class couplings, pintle hitches, and trailer jacks for you and your team.