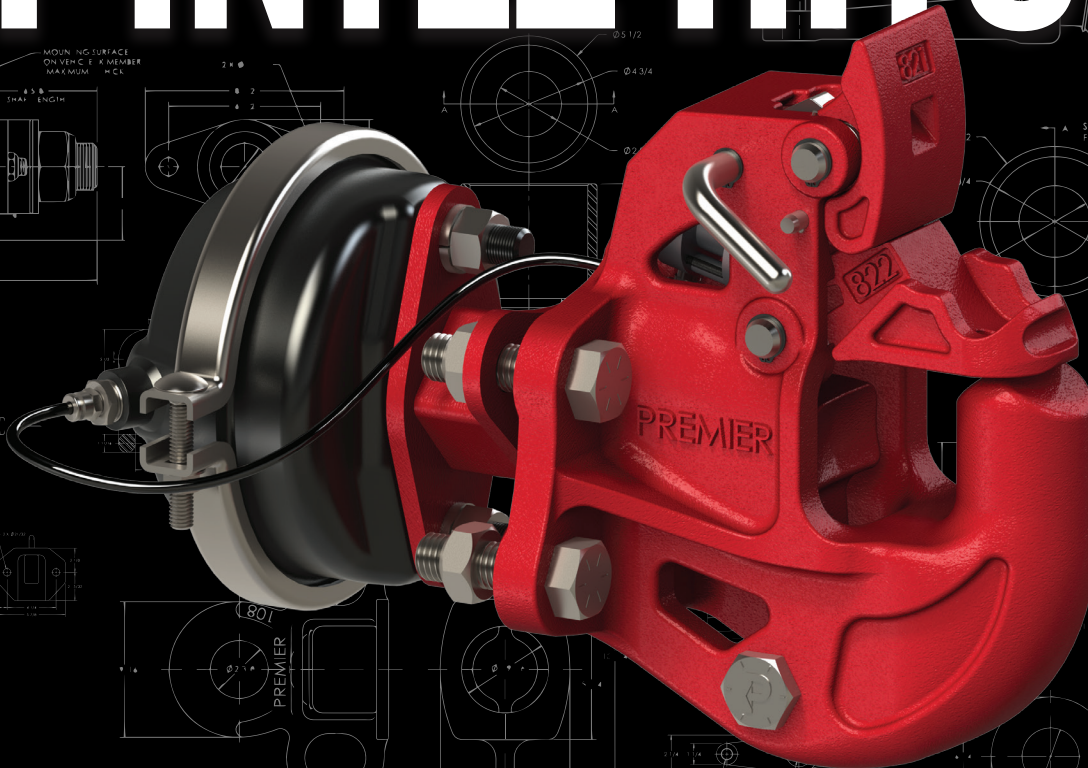




PREMIER
MANUFACTURING CO.

WHITE PAPER

HOW TO SELECT THE APPROPRIATE PINTLE HITCH



HOW TO SELECT THE APPROPRIATE PINTLE HITCH

Purchasing a pintle hitch is an important decision not to be taken lightly. A company must be sure it is selecting the correct hitch for its application. If the company buys a pintle hitch that can haul significantly more than its needs require, it can be a waste of money. Conversely, choosing a pintle hitch that will not haul the required weight is disastrous.



To ensure your selection is the correct one, you must first determine the gross trailer weight, which is usually determined by the gross vehicle weight rating (GVWR) attached to the trailer by the manufacturer. Please note that only the rear trailer is considered when selecting your Premier Mfg pintle hitch or drawbar eye for double trailers, while only the two most rearward trailers are considered for triple trailers.



The second step is determining the tongue weight capacity, which is the maximum expected weight at the drawbar eye. If a hinged drawbar is used, the maximum weight will be approximately one-half the overall drawbar weight. If a non-hinged drawbar is used and the actual tongue weight is unknown, you can approximate the weight by multiplying the gross vehicle weight rating of the towed trailer by fifteen percent. However, best practice is to weigh the tongue when the trailer is loaded to its GVWR.



The third step in the selection process is considering your operating conditions and environment off-road. In general, increasing the gross trailer weight from step one and the tongue weight capacity from step two by a minimum of twenty-five percent will be sufficient for many applications. However, each application is unique and every environment different; therefore, your application may require more than twenty-five percent. Once both gross trailer weight and tongue weight capacity have been determined, evaluate your operating conditions and apply an appropriate margin of safety.



The final step is to visit Premier Mfg's website at www.premier-mfg.com or browse pages four through seven of the catalog. There, you can find cross reference charts for pintle hitch-to-drawbar eye pairings, as well as pintle hitch to wear gage numbers. In addition, you can determine if one of Premier Mfg's premium options – such as Premalloy or Extended Life – is suitable for your application. And if you have any further questions, please do not hesitate to reach out to our customer service department at 800-248-3855.



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.