

# 40K Square Tube Gooseneck Coupler Installation and Maintenance Instructions

## Notice

***Must read and understand instructions below. Failure to do so could result in serious personal injury and/or property damage.***

## Technical Information

### **! Danger ! Before Towing**

Check vehicle hitch, ball and coupler for signs of wear or damage. Replace any parts that are worn or damaged before towing.

Know your trailer plus added load weight. Do not exceed lesser of coupler, vehicle, ball or trailer weight ratings. Use only the ball diameter indicated on your coupler. Use of any other ball diameter will create an extremely dangerous condition which can result in separation of the coupler and ball or ball failure. Be sure the coupler is secured to the hitch ball and the lock lever is down tight.

Check that the trailer safety chains are properly connected. Check that all trailer lighting is hooked up and working correctly.

### **Gusseting:**

To support the coupler's rated load, trailer gussets **must** extend down and overlap on both belly bands welded to the outer tube of the gooseneck coupler. In addition, top and bottom gussets **must** be used to tie trailer frame gussets together. The coupler must be rigid and vertical and must not be damaged by heat during installation. Do not weld near any hole or hardware on the coupler. These gusseting instructions are guidelines. It is however the trailer manufacturers responsibility to ensure the gusseting is sufficient for their particular trailer design. Weld size, coupler height and orientation are dependent on trailer design and customer requirements.

## Recommended Maintenance

Smear ball socket with chassis grease. Periodically oil pivot points and sliding surfaces of coupler with SAE 30 wt. motor oil. When parking or storing trailer keep the coupler off the ground so dirt will not build up in the ball socket. Check to make sure set bolts are torqued to 80-90 ft lbs. Do not exceed maximum extension for the coupler. Never modify gooseneck coupler with additional extension holes. Inspect retaining pins and replace if necessary.

**Always make sure to use correct hitch ball size to coupler pocket size. 40K gooseneck couplers are to receive a 3" ball. Check to make sure coupler is locked and hitch ball is properly secured to coupler before towing. Never load trailer beyond the lesser of coupler, vehicle, ball or trailer weight ratings.**

