



## Axle & Suspension Installation

Responsibility for proper axle alignment lies with the axle installer. The axle must be installed so that it will be parallel to the drive axle(s) of the tractor. This will allow good vehicle control when cornering, longer tire wear, and it will eliminate dog tracking. Alignment can be determined by measuring from the center of the trailer king pin to the center of each end of the axles. The difference should not vary by more than  $\frac{1}{16}$ ". In the case of multiple axles, the axles must also be in line with each other. The difference between the centers of one axle and end centers of the other axle must not vary more than  $\frac{1}{8}$ ".

### CAUTION

**Safety glasses should be worn at all times when assembling or disassembling axles and their components.**

Dexter tubular axles are made of high strength steel for better fatigue life and superior welding qualities. The round tubular axles provide a uniform section modulus no matter how the beam is rotated.

Brake spiders are positioned and welded to specific requirements at our factory. Welding the spider directly to the axle beam provides a higher strength and more reliable brake attachment over bolt-on versions.

In welding suspension components to a Dexter trailer axle, extreme care must be exercised to obtain correct location and ensure the spring seat load bearing surfaces are parallel to each other. Any welding of additional attachments to the axle should be approved by Dexter's engineering department.