

# Technical Service Bulletin

## Torsion Axles: Arm/Axle Cord Creep

Tie Down Engineering has developed a simple measuring tool to use on Eliminator brand torsion axles for the purpose of determining if the axle has any cord creep. Torsion axles by in large have very few issues to deal with, however in certain situations, generally with multi axle trailers, cord creep can occur. This can be caused by accidents, severe impact on curbs and potholes or tight turns in sand and dirt where the twisting of the trailer pulls sideways on the axles.

Inner cords showing at the torsion arm are not an indication of cord creep. To easily determine if there is cord creep, use this gauge by inserting the narrow extension between the axle tube and torsion arm. If the gauge can be fully inserted touching a flat side of the inner bar with the tip of the extension, the axle can be identified as beginning cord creep. If the gauge is stopped at any point by the axle tube or torsion arm, the axle is within design specifications.



**Acceptable**



**Not Acceptable**