

TORFLEX[®]

RUBBER TORSION SUSPENSION AXLES



F TORFLEX[®] FEATURES

- Independent wheel suspension and self-damping action
- Rubber cushioning eliminates metal-to-metal contact
- Less transfer of road shock for better cargo protection
- Heat-treated solid steel inner bar
- Forged torsion arm for maximum strength
- Rubber cords compounded for dependability
- Axle can be used as a load carrying cross member
- Easy installation with less overall maintenance
- High profile availability for maximum road clearance
- Single, tandem, triple and extreme duty axle assemblies
- Ten-year limited warranty on suspension system
- ISO 9001 Certified

? WHAT IS TORFLEX[®]?

The Torflex[®] suspension system is a torsion arm type suspension which is completely self contained within the axle tube. It attaches directly to the trailer frame using brackets which are an integral part of the axle assembly. The Torflex[®] axle provides improved suspension characteristics relative to leaf spring axles through the unique arrangement of a steel torsion bar surrounded by four rubber cords encased in the main structural member of the axle beam.

The wheel/hub spindle is attached to a lever, called the torsion arm, which is fastened to the rubber encased bar. As load is applied, the bar rotates causing a rolling/compressive resistance in the rubber cords. This rotating action provides the same functionality as conventional sprung axles with several operating advantages including independent suspension.

Except for periodic inspection of the fasteners used to attach the Torflex[®] axle to the vehicle frame, no other suspension maintenance is required on Torflex[®] axles. They are, of course, subject to the maintenance and inspection procedures regarding brakes, hubs, bearings, seals, wheels, and tires as outlined in Dexter's current Operation Maintenance Service Manual (available for downloading at www.dexteraxle.com).

S TORFLEX[®] SPECIFICATIONS

- Bearing lubrication options: E-Z Lube[®], Nev-R-Lube[®], or Oil (7,000 lbs. and above)
- 600-12,000 lbs. capacity, manufactured to the customer's exact requirements
- Ride heights available: 45° down, 32° down, 22.5° down, 10° down, 10° up, and 22.5° up
- High and low profile brackets with optional mounting brackets available
- CAUTION: Triple axle assemblies are not recommended for Torflex[®] axles unless triple designation is specified

