



TufTracTM Suspensions

TufTrac Features

TufTrac - Proven Off-Road Performance

Our job-proven high-performance vocational suspension was designed specifically for on/off road **high articulation operations** where it's important to traverse bumps, ridges and washboard without "bottoming out," even during "crisscross" articulation.

TufTrac 2-Stage - Improved Unladen Ride

- Western Star's new TufTrac 2-Stage provides all of the high-performance features of the standard TufTrac, but also provides an **improved unladen ride** (by up to 30%) by using a 2-stage centre bearing with a soft spring rate.

Features include:

Uniform Wheel Loading During Articulation

- Whether your truck is loaded or unloaded, the unique design of TufTrac and TufTrac 2-Stage allows it to maintain a uniform load over each wheel as the suspension articulates. By maintaining an even load

over each wheel, both TufTrac models retain maximum traction, giving you the confidence to **cross even the roughest job site.**

Spectacular Ride

- Most vocational spring suspensions use springs designed to carry heavy loads that have an extremely harsh ride when the vehicle is loaded. The same with suspensions using rubber load cushions. TufTrac's combination of rubber-isolated pivot points and parabolic taper-leaf springs ensures a smooth ride, whether loaded or unloaded, minimising wear and tear on both truck and driver. TufTrac 2-Stage provides an even better unladen ride (up to 30%) via the use of a 2-stage centre bearing with a soft spring rate.

Maintenance-Free Design

- All moving joints are contained in rubber elastomers that require no periodic adjustments or lubrication.



Maximum Ground Clearance

- Both models are designed with minimal protrusions below the axles to avoid hanging-up on rocks and ruts. Even the centre portion is raised out of the way.

Exceptionally Quiet Operation

- By isolating the moving joints in rubber elastomer bushings, TufTrac and TufTrac 2-Stage also provides one of the quietest rides among vocational suspensions.

Protected Brake Chambers

- On many trucks, the brake chambers are positioned in an exposed area behind the axles, leaving them vulnerable to damage from impacts with piled-up materials or machinery such as asphalt spreaders. Both TufTrac models allow the brake chambers to be mounted ahead of the axles, out of harm's way.

TufTrac Specifications

TufTrac Suspensions are available in three capacity ratings, allowing you to select just the right suspension for your application. Check the specs in the following table:

| MODEL | TufTrac 40,000 | TufTrac 2-Stage 40,000 | TufTrac 46,000 | TufTrac 2-Stage 46,000 | TufTrac 52,000 |
|---|---------------------------------|-----------------------------------|---------------------------|-----------------------------------|---------------------------|
| Static Rating (lbs.) | 40,000 | 40,000 | 46,000 | 46,000 | 52,000 |
| Site Travel Rating (lbs.) | 46,000 | 46,000 | 60,000 | 60,000 | 65,000 |
| Axle Spacing (inches) | 54 Std. | 54 Std. | 56 Std. 60 Opt. | 56 Std. 60 Std. | 56 Std. 60 Std. |
| Spring Leaves (number of) | 2 | 2 | 3 | 3 | 4 |
| Ride Height (inches) | 7.8 Low 8.8 Std. 9.8 High | 8.8 Std. 9.8 High | 9.9 Low 10.9 Std. | 10.9 Std. | 12.3 Std. |
| Axle to Axle Articulation (inches) | 5.8 7.8 9.8 | 7.8 9.8 | 9.8 11.8 | 11.8 | 14.7 |
| Across Axle Articulation (inches) | 13 13 13 | 13 13 | 13 13 | 13 | 13 |