



# ***SuperSprings®***

Work Truck Suspension Solutions  
SuperSprings International, Inc.  
[supersprings.com](http://supersprings.com)



# SuperSprings®

## REDEFINING SUSPENSION STANDARDS



### SuperSprings SSA17

APPLICATIONS:  
Ford F-450/F-550  
GM 4500/5500

SuperSprings are a unique and patented self-adjusting suspension stabilizing system for vehicles with rear leaf springs, designed to level loads and reduce body roll. SuperSprings provide users extra load support and reduce body roll without compromising ride quality. They are manufactured using a variety of different sized springs to support multiple applications.



### SuperSprings SSA13

APPLICATIONS:  
Ford F-250/F-350  
GM 2500/3500



### SELF-ADJUSTING

Automatically adjusts as loads are applied



### SUPPORT

Reduces rear-end sag



### STABILIZING

Reduces body roll + provides greater driver control



### SUSPENSION

Works in conjunction with original equipment

## SUPERSPRINGS ► SUPER-SIMPLE

The patented roller is what makes SuperSprings unique. The rollers allow SuperSprings to accommodate the main spring packs transition from elliptical towards straight. As the rollers roll, SuperSprings are taking on the weight in concert with the main spring pack. **A roller. That's it. Simple, right?**



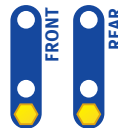
### NOT AN AUXILIARY SPRING

An auxiliary spring, also known as an overload spring, is mounted above and/or below the main spring assembly. Auxiliary springs do not assist until they are activated by the contact points.

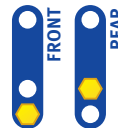


### NOT AN ADD-A-LEAF

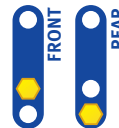
An add-a-leaf is an addition to the existing leaf spring assembly. It adds capacity by stiffening the entire spring assembly. The modified suspension permanently changes the ride quality of the vehicle. Installation can cost a truck 2-4 days of down time, and requires modification to original equipment.



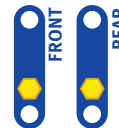
**LOW**  
PRE-LOAD  
TENSION



**MEDIUM**  
PRE-LOAD  
TENSION



**HIGH**  
PRE-LOAD  
TENSION



**MAX**  
PRE-LOAD  
TENSION

### SHACKLE ADJUSTMENT

SuperSprings are designed with various bolt holes allowing the installer to adjust the the pre-load tension.

## SUPERSPRINGS APPLICATIONS ► ECCENTRIC LOADS

Crane Body Trucks

Aerial Device Trucks

Mechanics Service Trucks

## SUPERSPRINGS APPLICATIONS ► CONSTANT LOADS

Service & Utility Body Trucks

Salt Spreader Applications

Tow Trucks, Wreckers & Carriers

## FRONT + REAR

Specialty work trucks should not run solely on "un"specialty suspension. Work trucks are expected to carry heavy and uneven loads. Without proper suspension enhancements, the truck's service life is cut short, resulting in increased costs and decreased safety. SuperSprings are maintenance-free and self-adjusting. They level your truck, reduce body roll, and generate greater driver control.

Suspension is a holistic system, with both front and rear ends working together. Front suspension is just as critical as rear suspension. Rear suspension enhancements alone make a great difference, but additional improvement is achieved by stabilizing the front.



## BOOST YOUR DRIVING EXPERIENCE

SumoSprings are a patented suspension product designed to enhance load carrying capacity, stabilize sway, and improve overall driver control and ride comfort. They are maintenance-free, do not leak air, and do not require airlines or compressors. SumoSprings are manufactured in a variety of heights, diameters and densities to support multiple front and rear applications. They are manufactured from proprietary closed-cell micro-cellular urethane providing a smooth and progressive spring rate.



### SHOCK ABSORBING

Superior damping properties



### LEAK PROOF

No leaks, ever



### LOAD SUPPORT

Progressive spring rate helps level varying loads



### MAINTENANCE FREE

Fit it and forget it



**A** SumoSprings Solo



**B** SumoSprings Rebel

**C** SumoSprings Maxim

## THE SUPERIOR CHOICE WHEN COMPARED TO CONVENTIONAL AIRBAGS

Would you like a maintenance-free airbag that does not leak? SumoSprings provide users with load support using an air spring with a progressive spring rate. The progressive property of the spring means you get support as you need it; more support when the spring is under more load. SumoSprings assist to reduce side-to-side body roll, resulting in a more stable, safer driving experience. SumoSprings increase your vehicle's ride comfort due to their superior damping properties (they absorb and dissipate shock and energy). They require zero maintenance and will never leak.

SUMOSPRINGS	AIRBAGS
✓ Maintenance-free	✗ Maintenance required
✓ NO additional accessories required	✗ Compressed air required
✓ Does not crack or leak	✗ Neglected airbags crack and leak
✓ Rebel kits do not restrict wheel travel	✗ Restricted wheel travel

## CHOOSE YOUR SUMOSPRINGS

- A Solo** ■ ■ ■ One-piece unit attached on one end used as a replacement / upgrade / supplement to factory bump stops.
- B Rebel** ■ ■ ■ Two-piece unit attached on top and bottom using separate male and female pieces allows unrestricted wheel travel.
- C Maxim** ■ ■ ■ One-piece unit attached on top and bottom allows up to 80% compression and 50% extension of original height.

## WHAT'S UP WITH THE COLORS?

SumoSprings color identifies the product's density. They are available in three colors:

### LIGHT & MEDIUM DUTY

### LIGHT, MEDIUM, & HEAVY DUTY

### MEDIUM & HEAVY DUTY

■ Blue -40

■ Black -47

■ Yellow -54

### FRONT + REAR

Utility Body Vans  
Platform Body Trucks  
Contractor Body Trucks & Vans  
Gooseneck Body Trucks

SUMOSPRINGS REAR	SUMOSPRINGS FRONT	COIL SUMOSPRINGS
Pickup Trucks	Rear Suspension Support	Van Applications
Truck Cap Applications	Snow Plow Applications	Sedan Applications
Service Vans	Replacement Bumper Applications	Front coil Applications
Trailer & Towable Applications	Heavy Duty Winch Applications	Rear coil Applications

SumoSprings absorb harsh bumps and jolts to provide a smooth ride over uneven surfaces, highway joints, and other rough terrain. By reducing harsh movements, SumoSprings give drivers better control of their vehicle. A progressive spring rate with exceptional load support and maintenance-free micro-cellular urethane with superior damping properties make SumoSprings a unique and complete suspension solution.



SumoSprings Front support and level your plow. SuperSprings level the load of a salt spreader and ballast. This combination reduces the stress on original equipment.



## FREQUENTLY ASKED QUESTIONS

A few great questions related to Work Truck suspension improvements

### SHOULD I USE SUPERSPRINGS, SUMOSPRINGS, OR BOTH?

SuperSprings and SumoSprings can be used individually to address specific suspension concerns. However, a combination of both creates a comprehensive suspension solution. SuperSprings assist factory suspension to stabilize and level rear end sag. SumoSprings have been described as “shock absorbers,” and feature unique and superior damping properties. A combination of both product’s unique properties creates a great two-prong suspension enhancement. The result is a vehicle that is more balanced and less susceptible to chucking on rough roads.

### WILL SUPERSPRINGS OR SUMOSPRINGS INCREASE MY VEHICLE’S PAYLOAD?

No, nothing can increase your GVWR. The GVWR of your vehicle is set by the manufacturer and it cannot change. You should never exceed your vehicle’s GVWR. SuperSprings, SumoSprings and all other helper springs are intended to help level loads, not increase GVWR. Learn more about GVWR, Payload, and Capacity in the “Learn More” section of our website at [SuperSprings.com](http://SuperSprings.com)



SuperCoils

### SuperCoils®

SuperCoils, a heavy-duty and long-term solution, replace worn sagging coils. Primarily, a front-end solution, the high quality steel and coil structure can completely revamp the suspension of a truck with traditional coil springs. Especially, ones equipped with add-ons such as winches, aftermarket bumpers, or plows. SuperCoils are a great work truck suspension solution for light duty pickups, such as the RAM 1500 and 2500 series, equipped with rear coil springs.

### Coil SumoSprings®

Manufactured from micro-cellular urethane (the same material used for SumoSprings), Coil SumoSprings are inserts that slide between the turns of the O.E. coil spring. Essentially, acting as a spring within the coil spring, Coil SumoSprings enhance ride comfort and even capacity. For trucks, the most common application is for the front end, as a complement to whichever kit is installed on the rear. Remember, suspension is a holistic system; the front end works together with the rear end – a complete suspension solution.



Coil SumoSprings



**LIMITED LIFETIME  
WARRANTY**



**30-DAY MONEY BACK  
GUARANTEE**

For more information visit:  
[supersprings.com/warranty](http://supersprings.com/warranty)



**SuperSprings International, Inc.**  
505 Maple Avenue  
Carpinteria, CA 93013

WEBSITE [supersprings.com](http://supersprings.com)  
PHONE (800) 898-0705  
EMAIL [info@supersprings.com](mailto:info@supersprings.com)

Notes: .....

.....

.....

.....