



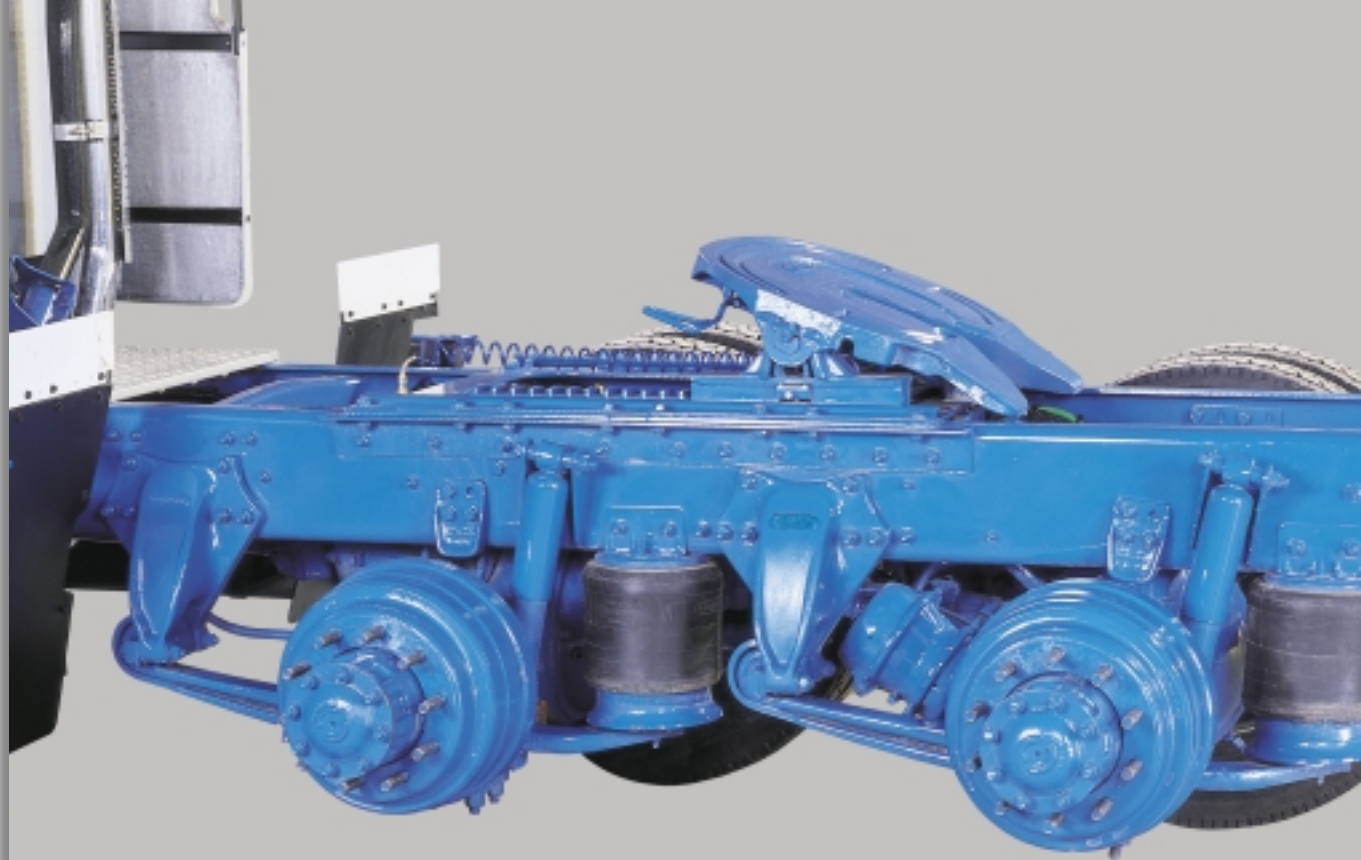
STERLING

A Subsidiary of **FREIGHTLINER**
LLC

AirLiner® Single and Tandem Air Ride Suspensions

The ingenious, no-maintenance designs that save weight and operating costs while superbly cushioning you, your vehicle, and your load

- AirLiner air ride suspensions for Sterling trucks and tractors pamper drivers, equipment, and payloads as well as or better than anything on the market. AirLiner delivers greater comfort when compared to steel suspensions and consequently better handling and protection is provided for the load. Additionally, because these systems offer substantially fewer parts than competing systems, greater reliability and less servicing attention may be achieved in the long run.
- They require no lubrication, of course, which means little or no routine maintenance.
- And they're so attractively priced it just makes good economic sense to specify AirLiner when the job calls for air.
- Resale price comparisons prove that trucks equipped with air ride suspensions command a higher resale value versus trucks equipped with standard spring suspensions.



Performance that takes the pounding out of the pavement

When you think of the cumulative punishment from jolts big and small absorbed by the hundreds per day, then every road's a toll road in a sense. Exacting its toll through excessive wear on components, damage to cargo, and frazzled nerves.

AirLiner smooths ridges and fills ruts like only this premium air suspension can. Its proven combination of trailing arm leaf springs and self-leveling, rolling-lobe air bags provides a uniformly soft spring ride.

Whether you are loaded to capacity or running bobtail, the Airliner suspension insulates the vehicle, its contents & its occupants from the worst possible road surface and conditions.

The AirLiner suspension is also designed to reduce sway when turning or negotiating curves, further providing superb ride and handling.

Suspensions

AirLiner®

Elastomer bushings that insulate your profit margin

The use of elastomer bushings ensures that the metal parts of the AirLiner suspension won't rub together resulting in longer product life. In addition, since there is no wear surface to lubricate or replace, the AirLiner performance is never compromised. All this leads to a continued comfortable ride and a very comfortable bottom line!

Underslung trailing arms that permit low fifth-wheel heights and promote long, trouble-free life cycles

To really appreciate the ingenuity of the AirLiner design, just examine the parabolic leaf-spring trailing arms slung under the axle housings, providing plenty of room above for installing the low fifth wheels today's tallest trailers require. Note, especially, how the arms bend 35 degrees at the rear, doubling as the air bag supports and eliminating the complexity of mounting the air springs separately, on cross beams or tubes. Simplicity and reliability!

A height-control valve that keeps drivelines in line

In order to produce the relatively constant spring rate necessary for optimum cushioning performance, an air ride suspension must maintain a relatively constant ride height. Airliner utilizes a premium, rotary valve to fulfill this

height-control function. Why a rotary type valve? Because the efficiency of a conventional, rubber-seat valve can deteriorate with age, altering not only the spring rate but the driveline angle resulting in a potentially shortened driveshaft life.

Suspensions that aren't afraid of the scale

Light weight is yet another arena in which AirLiner single and tandem air ride suspensions compete like champions. This suspension features a natural leanness that comes from fewer parts to begin with. In addition, there are aluminum brackets on all but the 23,000-lb. and 46,000-lb. severe-service models and an aluminum center crossmember on the standard-duty 40,000-lb. model. Plus, composite or aluminum air-bag pistons are included on all models. In short, there's no downside in tare weight to the upside of AirLiner ownership.

A selection that covers a multitude of job requirements

It's safe to assume there's an AirLiner suspension for whatever your application happens to be, whether on the highway or off. Consult the chart, then consult your Sterling Dealer and begin enjoying the many economic and ergonomic benefits of the AirLiner suspension.

AirLiner Single Drive Suspensions			
Model	10,000, 12,000, 15,000 & 18,000lb.	21,000 lb.	23,000 lb.
Duty Class	Standard Duty	Standard Duty	Heavy Duty
Application	Truck or Tractor	Tractor	Truck or Tractor
Main Brackets	Aluminum	Aluminum	Iron
Main Spring Arm	2-Leaf	2-Leaf	Heavy Duty 2-Leaf
Spring Bushing	Standard Duty	Standard Duty	Heavy Duty
Axle Seat Attachment	Clamped to Axle	Clamped to Axle	Clamped with Restraint
Crossbeam Stabilizer	No	No	Yes
Track Rods	Standard Duty	Standard Duty	Heavy Duty
Air-Spring Pistons	Composite	Composite	Aluminum

AirLiner Tandem Drive Suspensions			
Model	40,000 lb.	40,000 lb. Extra Duty	46,000 lb.
Duty Class	Standard Duty	Heavy Duty	Heavy Duty
Application	Truck or Tractor	Truck or Tractor	Truck or Tractor
Main Brackets	Aluminum	Aluminum	Iron
Main Spring Arm	1-Leaf	2-Leaf	Heavy Duty 2-Leaf
Spring Bushing	Standard Duty	Heavy Duty	Heavy Duty
Axle Seat Attachment	Clamped to Axle	Clamped with Restraint	Welded to Axle
Frame Crossmember	Extruded Aluminum	Formed Steel	Formed Steel
Crossbeam Stabilizer	No	No	Yes
Track Rods	Standard Duty	Heavy Duty	Heavy Duty
Air-Spring Pistons	Composite	Composite	Aluminum
Ride Height	Low, Mid, or Standard	Standard	Standard



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For the Sterling Dealer nearest you, call 1-800-STL-HELP

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