

Link® Chassis Suspensions

AIR LINK® REDLINE
PERFORMANCE SERIES SUSPENSION

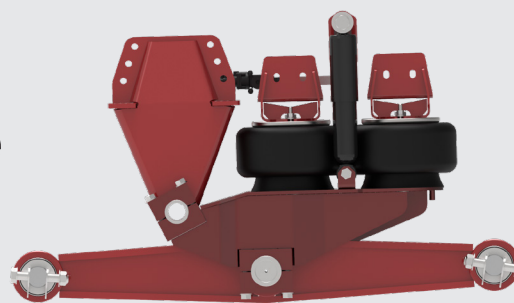
- + SPECIALTY ENGINEERED **SUSPENSION**
- + OPTIMIZE **CONTROL & STABILITY**
- + PROTECT **APPARATUS EQUIPMENT**
- + REDUCE **MAINTENANCE**



MAXIMUM PERFORMANCE
WHEN LIVES ARE ON THE LINE

Link® Air Link® Redline

Performance Series Suspension



MAXIMUM PERFORMANCE WHEN LIVES ARE ON THE LINE

Fire departments and manufacturers challenged Link to create a suspension which optimizes fire apparatus vehicle performance, enhances maneuverability while demonstrating superior durability and reliability. Link answered the call with the Redline performance series.

For over 20 years, Air Link has been a proven product within the fire and military industries. Tested and trusted by prestigious fire and military programs around the world to meet the extremes of both industries. Air Link was first used in 1999 to help remedy ladder breakage for major fire truck OEMs. Today, Air Link is available for tandem drive configurations within the range of 48,000 lbs to 85,000 lbs capacities.

In tribute to fire fighters, the purchase of any Redline suspension will give back through a dedicated charity "Link Cares." Link Cares will regularly contribute to firefighter-related charitable organizations to help support those who serve so valiantly.



OPTIMIZE CONTROL & STABILITY

The Air Link suspension provides optimum stability in order to keep the driver safely in control of the fire apparatus. By reducing vertical travel the operator is able to both maintain their focus on the road and control during tight maneuvers and high-speed lane changes.

The suspension's design evenly distributes the load for maximum traction and maintained alignment. The enhanced stability delivers roll stiffness during cornering or maneuvering.

"The customers have been extremely happy with the ride quality of their new aerals. I have no doubt that the Air Link plays a large role in the smooth ride that our customers expect."

– Andy Herb President of Herb Fire Equipment



PROTECT APPARATUS EQUIPMENT

Air link is proven to isolate the chassis structure from excessive vibrations and impacts of the road. Large, high volume air springs offer optimal protection to critical life-saving equipment, costly aerial components and sensitive electronic equipment.

The high mounted air springs provide crucial clearance and excellent articulation for on- and off-highway response calls.

"The Air Link meets all our requirements for a suspension. We have realized significantly less long-term structural problems, and no jarring to the aerial equipment."

– Drew Sutphen President of Sutphen Corporation



REDUCE MAINTENANCE

Air Link is trusted by fire fighters around the world because of the unparalleled reliability, ease of service, and clear reduction in vehicle maintenance cost when compared to rubber block suspensions.

Engineered to the unique standards of the firefighter community, all Air Link suspensions are equipped with composite air spring pistons, heavy duty bushings, and Link-KOAT® migratory self-healing metal treatment to provide maximum corrosion resistance and increase the vehicles service life.

"The City of Syracuse, NY Department of Fire has used the Air Link suspension for decades and has benefited from its reliability and ease of service. The department responds to 22,000 calls annually and operates this suspension on its tower fleet."

– Zach Smith Fleet Maintenance Manager

Specialty
Engineered
Suspensions

100% Off Highway Rating

- + Air Link has the durability and reliability necessary for Fire Truck Applications

Mounting System

- + Engineered weight bearing hangers provide stable and predictable handling
- + Available bolt pattern variations for C-Channel frame rails
- + Welded option for box frame design

Air Springs

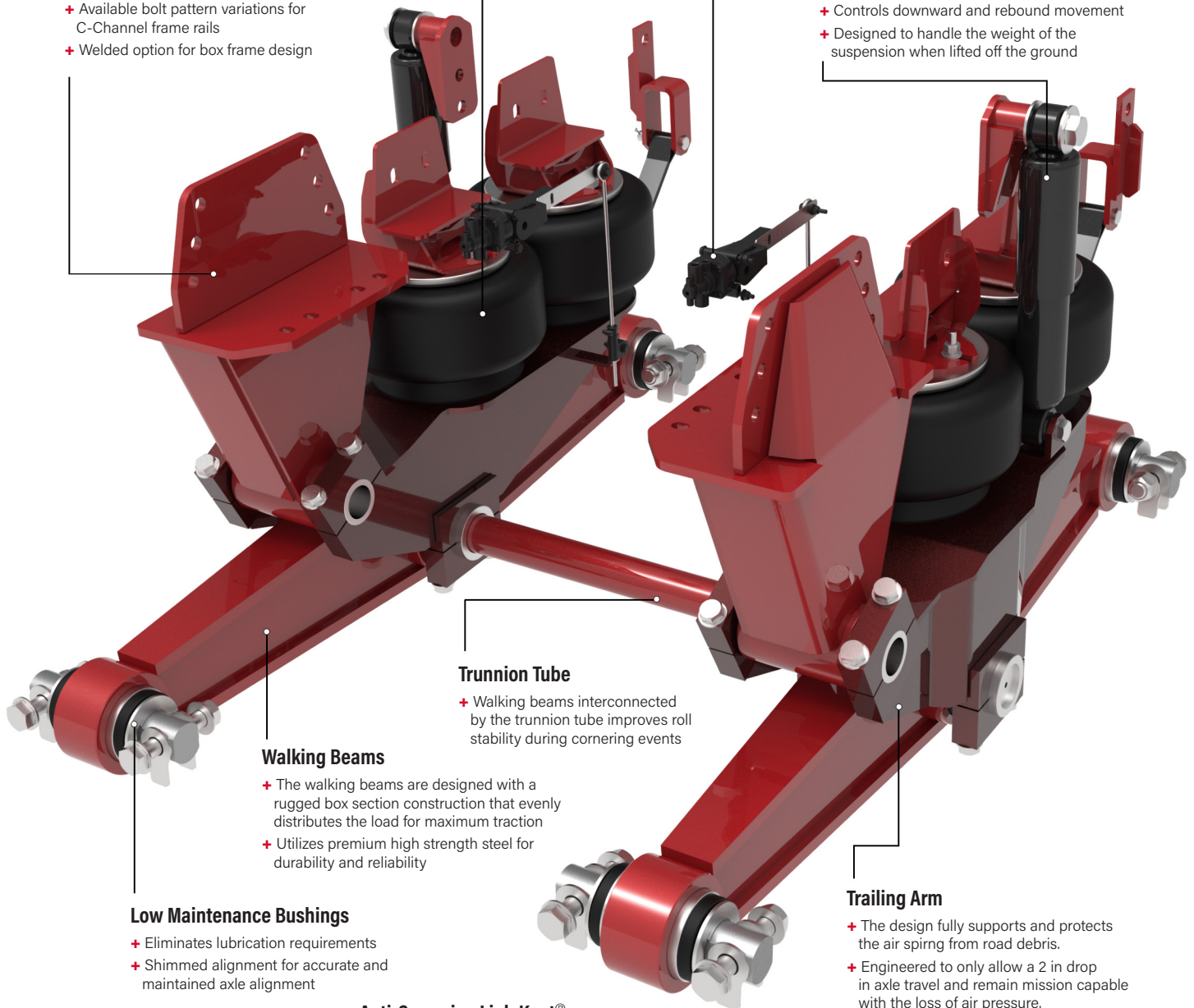
- + High volume air springs offer low natural frequency for optimum ride quality
- + Proven to isolate the chassis structure from vibration stress and road impacts
- + Internal rubber jounce stops support the chassis structure with loss of air pressure

Link Dual Height Control Valves

- + The 500 series valve has the highest flow rate in the industry to meet the performance needs of the fire apparatus
- + Dual height control valves balance the chassis and allow the suspension to react quickly to uneven load

Shock Absorbers

- + Tuned and positioned for optimum ride characteristics
- + Controls downward and rebound movement
- + Designed to handle the weight of the suspension when lifted off the ground



Trunnion Tube

- + Walking beams interconnected by the trunnion tube improves roll stability during cornering events

Walking Beams

- + The walking beams are designed with a rugged box section construction that evenly distributes the load for maximum traction
- + Utilizes premium high strength steel for durability and reliability

Low Maintenance Bushings

- + Eliminates lubrication requirements
- + Shimmed alignment for accurate and maintained axle alignment

Anti-Corrosion Link-Koat®

- + Self-healing metal treatment provides maximum corrosion resistance and rust protection

Trailing Arm

- + The design fully supports and protects the air spring from road debris.
- + Engineered to only allow a 2 in drop in axle travel and remain mission capable with the loss of air pressure.

Axle Availability

- + Fully integrates with main line axles such as Dana, Meritor and Mack

Axle Control Rod Availability

- + Improve time between maintenance intervals with available Link® control rods

Retrofit Availability

- + Product option codes and bolt on retrofit kits are available



Link has a strong admiration and great respect for the firefighters who make the ultimate sacrifice to put their lives on the line daily in service to our communities.

In honor of fire departments across North America, Link's dedicated charity, called "Link Cares", will donate a portion of profits from all Redline Performance Series Suspensions sales to firefighter-related charitable organizations each year.

AIR LINK® REDLINE SPECIFICATION

Product No.	Capacity	Weight (base unit)	Axle Spread (Min)	Axle Spread (Max)
AL-520-TD	52,000 LBS	1,250 LBS	52 IN	54 IN
AL-540-TD	54,000 LBS	1,350 LBS	54 IN	54 IN
AL-600-TD	60,000 LBS	1,400 LBS	52 IN	60 IN
AL-650-TD	65,000 LBS	1,425 LBS	60 IN	60 IN

AIR LINK® REDLINE PARTNERS



CONTACT LINK MANUFACTURING, LTD.

800-222-6283 | info@linkmfg.com

www.linkmfg.com