



**"Rollerbed Systems' capabilities will meet or exceed your requirements."**

## **Pneumatic Roller Track**

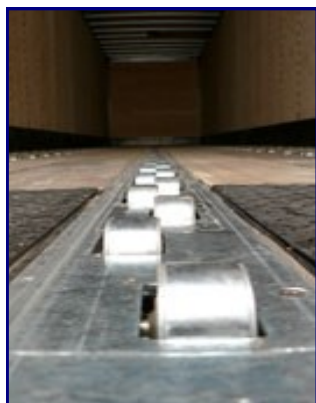


**Rollerbed Systems, LLC** provides safe, quick, "State Of The Art" pneumatic retractable roller systems for moving air cargo containers in and out of trucks and trailers. Parallel lanes of track are installed flush with the floor. Simply push in a button and 30 pounds of air pressure fills an air cell that raises the rollers .62" above the surface of the floor. With only 1% rolling resistance on a level surface, a 2,500 pounds container can be moved with 25 pounds of force. Once the truck or trailer is loaded and the rollers are retracted the cargo rests firmly and safely on the floor. A backup safety feature will also lower the rollers when the brakes are released.

Rollerbed Systems has Sales Offices in the Eastern and Western Regions of the United States. We service the United States, Mexico, Latin America and Canada. A network of installation and service facilities are located throughout North America. Systems can also be supplied in complete kit form.

### **Model RB-1**

Rollerbed Systems Model – RB-1, one inch staggered roller style features our unique configuration and provides as much support as two inch style systems. This design offers protection from debris or loose cargo. The narrower roller aperture reduces the chances of the ingress of material that could interfere with the operation of the system and reduces the frequency of preventative maintenance.



### **Model RB-2**

Rollerbed Systems Model – RB-2, the two inch roller style of system has been the standard of the Air Cargo industry for over 20 years. The RB -2 model is suitable for most general air cargo containers and cookie sheets as well as other general freight applications.



**Our products are Manufactured, Distributed, Serviced and Warranted by Rollerbed Systems, LLC.**

# Features and Benefits

## ► Made in the USA. ◀

- Rollers are available in widths of 1", 2" or 4" to meet a variety of applications.
- Roller spacing of 3", 4", 6" and a 4/6" combination are available for versatility.
- High-strength, corrosion-resistant galvanized steel rollers, with steel bearings.
- Rollers feature sealed, dual bearings units, containing 12 ball bearings per race to minimize rolling resistance.
- Stainless Steel control box with stainless steel hinges & pins and self closing cover, impervious to the elements.
- Weight capacity rated at over 400 lbs./linear ft.; typically exceeding the gross weight capacity of standard vehicles.
- Roller lift of .62" above top plate to allow for adequate clearance.
- Interlocking high-strength, corrosion-resistant 11 gauge galvanized steel top plate.
- Interlocking top plate design for easy removal and added concentrated strength.
- Heavy duty 6105-T5 aluminum extruded main channels.
- Acetal® strip protects air cell against debris and punctures.
- Airbag clamps, clam-shell style, reduces air leaks and maintenance.
- Stainless Steel Torx® head fasteners, thread locked to resist vibration and loosening.

**Rollerbed Systems, LLC maintains a comprehensive parts inventory.  
In most cases, parts can be shipped within 24 hours.  
Warranty: Rollerbed Systems Pneumatic rollers offer a 10-year warranty.**

The Rollerbed System air supply is produced by the vehicle's air compressor. A Pressure Protection Valve (PPV) monitors the pressure; once the vehicle air brake system is functional: (typically after air pressure reaches 80 p.s.i.) the PPV opens and allows air flow into the segregated Rollerbed System air reservoir(s) to supply the pneumatic rollers.



System air is fed via nylon air lines, featuring easy push-in connectors, from the auxiliary air reservoir(s) to the stainless steel control box containing a pressure regulating valve and air control valve(s). Typical plumbing is designed for ease of operation; one push-pull valve will raise and lower the entire system.

Pneumatic plumbing layouts can also be designed for custom applications.

The focus of Rollerbed Systems, LLC is to offer a product that is best in the industry, providing quality engineering, manufacturing and service.



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