



cyclolift™

Railcar/Truck Connectors

Spill-Free Unloading
Cleaner. Tougher. Simpler.



Clean, fast, safe, spill-free unloading

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Railcar/Truck Connectors

Streamline Railcar and Truck Unloading

Rugged CycloLift Connectors from Cyclonaire make unloading hopper-bottom railcars and trucks faster, simpler, and much cleaner. CycloLift has been specifically designed to reduce the time and eliminate the spills and clean up associated with the job of mating conventional connectors to hopper gates.

Line Up Fast

Order CycloLift with steel adapter plates custom-fitted to the hoppers you service. They can be moved parallel to your tracks or truck for fast aligning of the boot seal with the hopper gate. So you'll avoid the need for precision spotting and save the time it wastes.

Get a Clean, Tight Seal Every Time

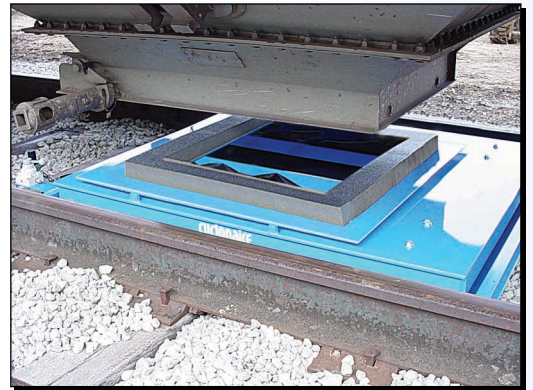
CycloLift Connectors have been built from the ground up for dependable, efficient operation. To elevate the boot from between the tracks and mate it firmly against the hopper gate, our engineers replaced conventional hydraulic cylinders and mechanical linkages with pneumatically actuated lifters that use low-pressure air. When extended, the lifters create a tight boot-to-gate seal regardless of the tilt of the railcar or irregularities in the hopper gate surface. In contrast, conventional devices do not mate properly if the hopper opening and the lift mechanism are not in the same horizontal plane. The force exerted by the pneumatic lifters against the hopper gates is independent of extension throughout the throw range. During unloading, they automatically maintain a tight seal to eliminate leaks.

Simple Installation, Durable Construction

Compact, low-profile CycloLift Connectors are easy to install, operate, and maintain. Forget about excavating and shoring up man-sized pits. All you need is a small, shallow trench less than 2-feet deep for the railpan. To minimize maintenance, repair, and replacement, we build CycloLift Connectors to industrial-grade standards with rugged steel frames. Pneumatic lifters are abrasion resistant and have a variable throw to adapt to any hopper. Our flexible rubber chutes are specially reinforced for long service.



CycloLift Railcar Connectors maintain tight boot-to-gate seals throughout the unloading procedure.



CycloLift Railcar Connectors install easily between existing tracks (top).

Pneumatic lifters extend to elevate the boot for mating with the hopper (above).

Rubber seals on the adapter plate minimize product leakage (below).



The pneumatic control valve used to operate the CycloLift can be mounted on the unit or at any convenient nearby location.



A Custom Fit At an Off-the-Shelf Price

CycloLift Connectors provide positive seals between your conveying equipment and hopper-bottom railcar/truck outlets – without messy spills of conveyed material or hydraulic fluid.

CycloLift's powerful pneumatic lifters extend far enough to service even high-clearance hoppers and maintain a tight seal throughout the unloading process – with no adjustments required.

Because hopper gates vary in size and shape, we custom build adapter plates to your specifications. So no matter how many types of railcars or trucks you work with, you can get exactly what you need.

Applications

CycloLift can be used with nearly all pneumatic and mechanical conveying systems to unload any materials carried in hopper-bottom railcars and trucks.

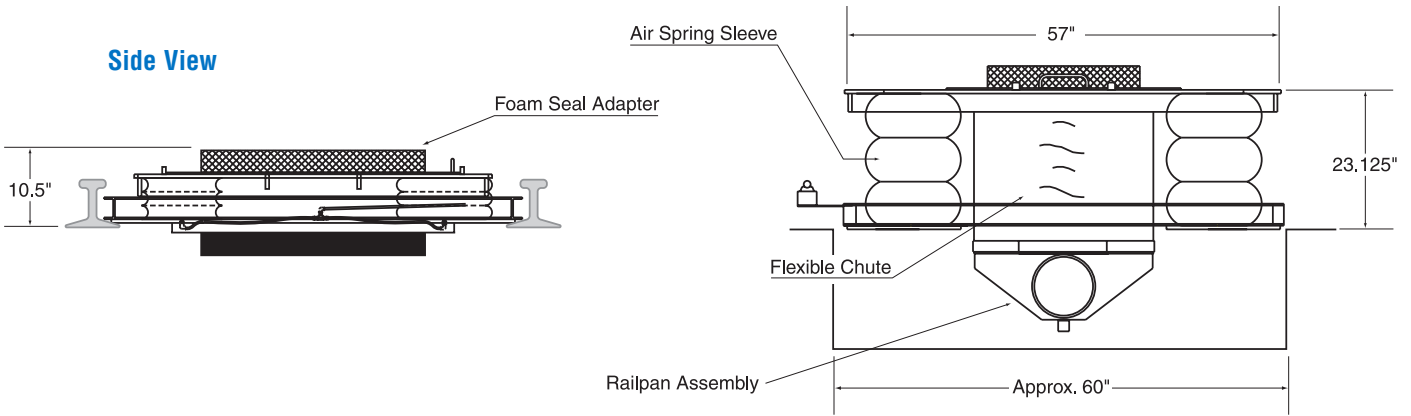
Features

- Industrial-grade construction.
- Welded carbon or stainless steel frames.
- Two-way adjustable hopper inlet adapter plates eliminate the need to precisely spot railcars.
- Adapter plates are easy to change and available in a wide range of sizes with custom-cut square, round, or rectangular openings to fit your application.
- Resilient rubber seals on adapter plates are matched to hopper openings to minimize product leakage between the hopper outlet and the lifter assembly.
- The extra-heavy-duty, reinforced, flexible rubber chute bolts to the lifting frame and material pan and has rounded corners for superior strength and durability.
- The manually operated pneumatic control valve for raising and lowering the connector can be installed in any convenient location.
- In its retracted position, CycloLift allows unrestricted movement of railcars.

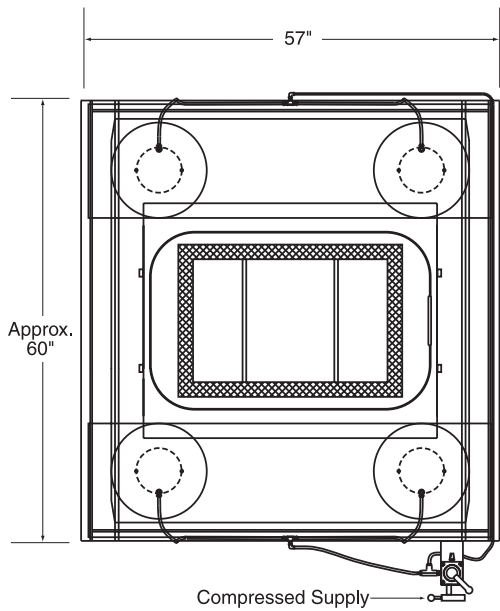
Requirements

- A shallow installation trench to accommodate the railpan assembly.
- A source of clean, dry compressed air.

Side View



Top View



cyclolift™

Speed Up Your Operation with Cyclonaire

The Cyclolift Railcar/Truck Connector is a time- and labor-saving addition to the lineup of Cyclonaire unloading and pneumatic conveying systems. To see photographs, dimensional drawings, and specifications for this and other Cyclonaire products, visit the Cyclonaire Web site at www.cyclonaire.com.

Take Advantage of Our Experience

Cyclonaire Corporation is a leading manufacturer of bulk material handling systems and controls. We specialize in pneumatic conveying and have been supplying components as well as complete systems to a broad range of industries since 1973. Our services range from concept engineering and project management through start-up supervision. We'll be glad to answer your questions and assist you with ordering.

CALL 1-800-445-0730 or visit www.cyclonaire.com

cyclonaire®

PNEUMATIC CONVEYING SYSTEMS

2922 N. Division Ave.
PO Box 366
York, NE 68467-0366

800-445-0730 Toll Free
402-362-2000 Phone
402-362-2001 FAX
sales@cyclonaire.com E-mail

Conveying Solutions – contact us for information on these and other Cyclonaire components.



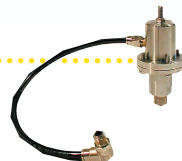
Bulk Bag Unloader



VibraPad™ Aerator



Diverter Valve



Line Injector



Bin Vent/Dust Collector



CB Series BlendVeyor