

TYPICAL SPECIFICATIONS

BOOT-LIFT® Rail Car Connector

Clean and efficient unloading of rail cars shall be encouraged by the use of an air-lifted rail car connection device.

Installed between the rails at the hopper car unloading point, this device connects the rail car to the underground material handling system. (i.e., conveyor, hopper, etc.). It will act as a funnel to channel material into the conveyor system without risk of windblown loss or contamination.

The elevation of the hopper car connection device is caused by the actuation of two air-over-hydraulic oil cylinders. The two cylinders shall require 80 PSI of air pressure for efficient erection and support of the connector.

The up and down movement of the car connector shall be controlled from a remote console, without requiring personnel to crawl under the hopper car for manual connection.

Metal components of the rail car connector shall be coated with epoxy paint for durability under rugged conditions.

Optional adapters will allow the car connector to be used with all models of standard hopper cars.

The supplier of the rail car connection will be ISO 9001 quality system certified.

The rail car connector shall be a BOOT-LIFT® Rail Car Connector as supplied by Martin Engineering, Neponset, Illinois..

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TYPICAL SPECIFICATION

Pneumatic Aligner for BOOT-LIFT® Railcar Connector

To promote efficient connection of railcars to the unloading system, a pneumatic aligner will be installed on the Rail Car Connector to provide flexibility in car spotting.

This air-powered aligner will provide flexibility in car location of a total of eight inches (200 mm) of adjustment—four inches (100 mm) in either direction--along the track. Operation of the aligner will require only one cfm (0.471/second) at 30 psi (2 bar) of air. The aligner will operate by remote control.

The supplier of the pneumatic aligner for the rail car connector will be ISO 9001 Quality System certified.

The pneumatic alignment system will be the BOOT-LIFT® Connector Pneumatic Aligner as supplied by Martin Engineering, Neponset, Illinois

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TYPICAL SPECIFICATIONS

BOOT-LIFT® Vertical Connector

Clean and efficient unloading of gravity-feed semi trailers shall be encouraged by the use of an air-lifted connection device.

Installed below grade at the trailer unloading point, this device connects the trailer to the underground material handling system. (i.e., conveyor, hopper, etc.). It will act as a funnel to channel material into the conveyor system without risk of windblown loss or contamination.

The elevation of the vertical connection device is caused by the actuation of two air-over-hydraulic oil cylinders. The two cylinders shall require 80 PSI of air pressure for efficient erection and support of the connector.

The up and down movement of the connector shall be controlled from a remote console, without requiring personnel to crawl under the trailer for manual connection.

Metal components of the connector shall be coated with epoxy paint for durability under rugged conditions.

The supplier of the connection will be ISO 9001 quality system certified.

The vertical connector shall be a BOOT-LIFT® Connector as supplied by Martin Engineering, Neponset, Illinois.

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