

AggreGate[®] Ballast

Discharge Outlets

AggreGate[®] ballast discharge outlets are available in manual, air-operated, solar powered stand-alone and remote control models to meet virtually any ballast unloading need. Engineered as a fabricated and completely assembled unit, AggreGates are extremely easy to apply to new or existing hopper cars.

With many unique design features, the AggreGate can effectively ballast inside, outside or both sides of the rail simultaneously. These features include large guillotine door openings for faster unloading, easy to operate toggle-type linkage systems and tapered doors for easy ballast shutoff at switches, crossovers and bridges. AggreGates are available in various lengths to fit your car.



Manual AggreGate

The manual AggreGate is available with transition sheets designed to enable application to any open top hopper car.

- The manually-operated AggreGate has a three-pocket, three-position handle for easy opening and closing of doors
- Spring tension holds the door in position at any opening for controlled flow of ballast
- Will ballast inside, outside or both sides of the rail simultaneously

Air-Powered and Remote Control AggreGate

Available in single- or double-cylinder models, the air-powered AggreGate also features an available remote control system allowing the operator to select individual cars and gates for accurate ballast discharge.

- Features override in air valve to continue ballasting if power is lost
- Positive flow shut-off power will shear rock to close door
- Manifold-mounted hand valves can be furnished for non-remote operation
- Single- or double-door control options

Stand-Alone AggreGate

In addition to providing all the advantages of the AggreGate line, the solar powered stand-alone AggreGate is designed to enable independent operation of the car from anywhere within the ballast train, eliminating the need for grouping manual and automatic cars.

- Optional remote control with push button override, designed to allow for individual car and gate selection
- Solar powered and battery operated provides stand-alone operation
- Available as either a new system or retrofit kit for Miner Manual Aggregates



W. H. MINER DIVISION

Perfecting Railcar Performance

AggreGate® Ballast Discharge Outlets



Manual AggreGate



Air-Powered AggreGate



Solar Powered Stand-Alone AggreGate

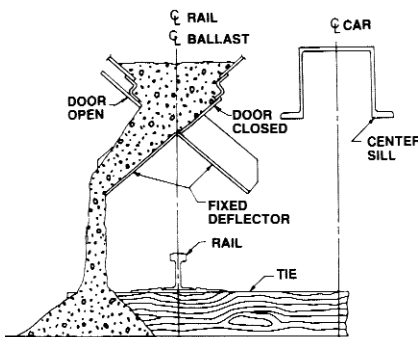
Features:

- All units engineered as a completely assembled unit, designed to make it easy and less costly to apply to new or existing cars
- Easy operation with toggle-type linkage systems and tapered doors
- Large door openings for faster unloading
- Fast, positive ballast shutoff at switches, crossovers and bridges
- Reliable operation and reduced maintenance with stainless steel pins and slides at mating surfaces

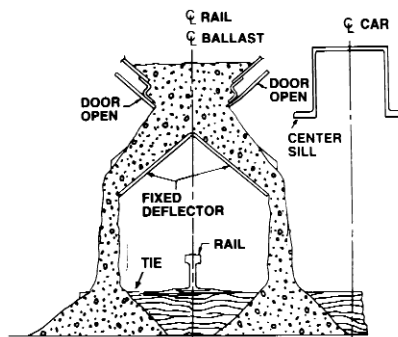


Remote Control Unit

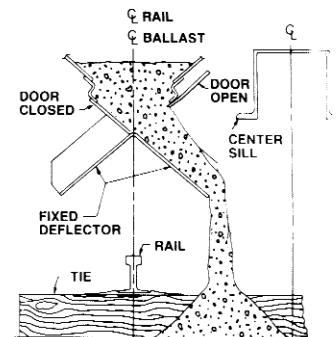
DOOR DUMPING TO THE OUTSIDE



DOOR DUMPING INSIDE AND OUTSIDE



DOOR DUMPING TO THE INSIDE



100 Years of Engineered Excellence
Miner Discharge Systems
 Reliable • Innovative • Versatile

Perfecting Railcar Performance



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