

**Proven under the toughest conditions, Jeffrey Rader truck dumpers are the industry standard.**

**Features/Advantages**

**Quality, Custom-Designed Truck Dumpers Since 1969**

Jeffrey Rader truck dumpers are designed for dependable operation under tough conditions. Proven on the job, our truck dumpers have become the industry standard for this type of equipment. All models feature the advanced engineering and heavy-duty construction that result in fast cycle times, improved productivity and reliable performance.

Our truck dumpers feature extra-heavy-duty decks constructed with fully-welded, formed box sections. This formed construction, which uses only sections, results in a lighter, but stronger deck and provides superior resistance to torsional and bending stresses. Longitudinal beams beneath each trailer tire support the heavy floor deck plate. For reliability, the oversized rear hinges with high-shear embeds are built to handle loads far exceeding normal requirements.

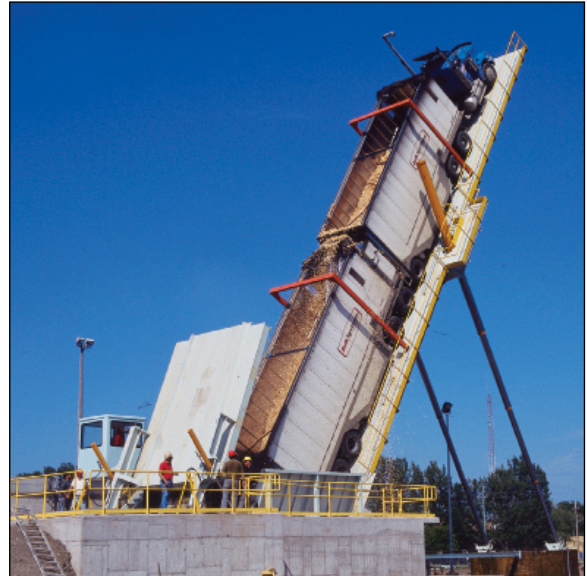
**Powerful Hydraulic Cylinders Designed for Continuous Operation**

Chrome-plated to resist corrosion, our heavy-duty hydraulic cylinders are mounted with the master cylinder above the telescopic stages. This design minimizes cylinder barrel contamination and packing gland damage, because solid debris which may stick to the cylinders is wiped away during descent. The cylinders incorporate universal trunnion mounts with easily accessible replaceable hardened steel bushings.

Full extended, the cylinders elevate the deck to 63 degrees from horizontal. The higher dump angle and increased dumping speed reduce the need to bump or jog the deck when loads are frozen, wet or sticky. Relief valves individually protect the major hydraulic components, the pump and the cylinder.

**Fast and Efficient Cycle Times**

To help maintain proper operating sequences, a remote-mounted panel electrically controls the dumper's operation. All hydraulic control valves are



solenoid-operated from the panel. Limit switches at various system points ensure the proper operating sequence. The simplified controls permit efficient operation from a single, remote-control station and/or by the driver alone.

**Receiving Hoppers for Smooth, Productive Operation**

Receiving hoppers are also available for all permanent dumper models. The hoppers receive and discharge efficiently with minimal spillage.



Chain, auger or stoker discharge systems built into the hoppers meter materials evenly from dumping to storage to processing.



# Truck Dumpers & Receiving Hoppers

## Features/Advantages *(continued from other side)*

### Various Models Available



Permanent truck dumpers are available in drive-through, back-on and extended arm configurations for both grade-level and elevated

discharge. Portable truck dumpers are also offered.

Our standard line includes deck lengths from 35 to 90 feet to accommodate either trailer-detached or tractor/trailer-couple dumping. Available with rated capacities up to 100 tons, all standard models feature the 63 degree dumping angle.

### Permanent Drive-Through

For applications with limited space, our drive-through design with pit bridge offers efficient routing of trucks with a minimum of waiting time.

### Permanent Extended Arm

For applications where below-surface water creates a problem or where underground hoppers are impractical or too costly, the elevated discharge of our permanent extended arm dumper permits above-ground installation of dumping stations.

### Permanent Back-On

For applications requiring performance with economy and fast turnaround, our permanent back-on design is a popular choice. Formed tire guard rails help position the trailer while tie-down rails secure the vehicle.

### Portable Designs

Available in skid- or wheel-mounted designs, our portable dumpers can be easily moved when conditions require. The inclined deck design gives drivers full view of wheels during backing. The height designed into the rear retention wall allows a full trailer load to be emptied, accelerating the take-away cycle.

### Combination Truck/Rail Car

Additionally, for applications where both trucks and rail cars require unloading, we offer proven designs to meet your needs.

### Truck Dumper Features

- Longitudinal box-beams beneath each trailer tire support the deck plate, reducing deck flexing.
- Tie-down rails secure the vehicle during dumping.
- Formed tire guide rails are welded to the deck to ensure proper positioning.
- Checkered deck plate provides increased tire traction and sure footing for operations and maintenance.
- Wide walkways with grating and handrails are provided until the cylinder area.
- Checkered plate walkways and enclosed handrails are provided up to the back-stop to contain chip spillage and return to hopper.
- All embedment plates are included, along with arm hinges, cylinder mounting and deck front stopper blocks (all with adjustable shims).
- All support brackets are included, along with arm hinges, cylinder mountings and deck front stopper blocks.
- Extended arm hinges utilize two large self-aligning, bearing-type, grease compatible bushings.
- Cylinder support trunnion forks have replaceable line and greasing channels.
- Fixed beam backstop. (Hydraulically adjustable height option available.)
- Safety roll bars (two normally supplied for B-trains).

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