

# Hudson Yard Ballaster

Precision yard ballasting - Compact, truck portable, rugged & low maintenance ballast hopper car with radio-remote hydraulic gates

## At a glance

<b>Capacity</b>	26 yd (32.5 ton)
<b>Weight</b>	15,500 lb
<b>Controls</b>	Radio-remote hydraulic gates + lighting control
<b>Braking</b>	Fail-safe air brakes (tow-vehicle applied)

## Dimensions

<b>Overall width</b>	8'-0" (2.44 m)
<b>Width (w/ side gates)</b>	8'-7" (2.62 m)
<b>Overall length</b>	16' (4.88 m)
<b>Overall height</b>	10'-1" (3.07 m)

## Key features

- All welded steel plate ballast hopper with lift eyes, hold-downs, inspection ladder, fork pockets, and top wood planks to protect during loading.
- Four-gate layout with optional left/right side chutes to ballast past tie ends.
- Remote controlled hydraulic gate operation; remote also controls running and flood lights.
- Fail-safe air brakes applied from tow-vehicle with connections on both ends.
- Proprietary self-steering suspension system and high-performance profile wheels to reduce wear and noise.
- Diesel power package (key start + pull-start backup), 12-V system, hour meter, master cut-off, 8-gallon fuel tank.



## Detailed Specifications

### Construction

- All welded steel plate ballast hopper
- 4 lift eyes on each top corner
- 4 hold-downs on each lower corner
- Fork pockets for forklift/loader portability
- Inspection ladder
- Wood planks around top of car to prevent loading damage

### Tow Vehicle Connection

- Drawbar 6' square-tube
- 90,000 lb capacity pintle hooks on both ends

### Running Gear & Suspension System

- Conventional 6x11x33" AAR freight car wheels with AAR or Hudson wheel profile
- Wheelbase 7'-5" – ideal for tight curves
- High performance self-steering design to reduce tread/flange wear and wheel-rail noise

### Lighting System

- LED front and rear running lights; separately switched to indicate travel direction
- Two bottom LED flood lights for night operations + side illumination
- Running and flood lights controlled by radio remote

### Braking System

- Fail-safe air brakes applied from tow-vehicle (all brakes work in unison)
- Brake connections on both car ends; air coils included
- Air compressor connected to brake system to enable brake release

### Paint & Finish

- Epoxy primer with urethane topcoat
- Carbody – Customer color choice
- Fuel tank - green
- Hydraulic tank - blue
- Wheelsets - black

### Power & Electrical

- Diesel engine with key start and pull-start backup
- Special dual air-filter system (engine filter + remote-mounted air cleaner)
- 12 V electrical system with hour meter and master electrical cut-off switch
- 8-gallon fuel tank

### Gate Controls & Hydraulics

- Four gates: two outside rails and two between rails
- Radio-remote transmitter controls hydraulic bottom gates and optional side gates
- Remote also operates running and flood lights; receiver housed in electrical cabinet
- Gates controlled individually or all together with a single button
- Smooth variable openings and variable open/close speed
- Hydraulic cylinders provide power to crush rocks caught in gates
- Adjustable relief settings; 1300 psi system; spin-on return filter & suction strainer

### Performance notes

- High track speed capability
- Reduced vibration to components and reduced wheel-rail noise
- Suspension performance and testing documented at the National Research Center in Ottawa

### Available options

- Vandal package - protects engine, electrical panels, hydraulic components, fuel tank, lights.
- Side Chutes - 3rd rail side gating system and chutes (radio-remote controlled)
- Hydraulic valve override switches (remote failure backup)



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