

# SPREADER DITCHER





# SPREADER DITCHER

## Special Features

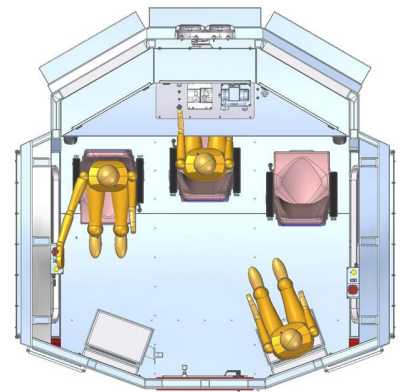
The Spreader Ditcher is a highly versatile machine that is used to plow heavy snow, spread ballast, reshape cuts in banks, and cut trackside ditches. At 160,000 lbs., and 53 feet (16.1 m), it is equipped with an operator control cab, front plow, side wings, two non-powered bogies, AAR couplers, and an APU for electrical / hydraulic power. It is pushed by one or multiple locomotives to achieve maximum traction at speeds for desired plowing effectiveness.

### Features & Benefits

- Heavy construction with low center of gravity
- Standard Front Plow
- In cab controls:
  - Front plow locks
  - Wing locks
  - Front plow depth control
- Comfortable cab, seating for 5
- FRA Type I Heated Windshields
- FRA Type II Sliding Side Egress Windows
- AC & Heat
- AC Generator

### Available Options:

- High snow plow
- Long wing for maximum clearing
- Short wing for restricted clearances
- Straight Wing without Ditcher Section
- Bank sloper
- Front plow ice cutting
- Wing Ditcher Section
- Locomotive controls
- Powered front cross plow with in-cab controls
- Enclosed Walkway







### Ballasting

The wing ballast section can be set to cut the fouled ballast from the ends of ties. Ballast can also be carried and distributed along the track. The Spreader Ditcher can plow in center, right, or left hand direction while retrieving ballast deposited outside the toe line.

### Ditching

The ditcher section deploys in seconds from the main wing. This allows the machine to create new ditches with precise accuracy or clean out existing ditches in a similar manner. Good ditching provides drainage around and along the track regardless of railway grade.

### Profiling and Contouring

Establishing a true roadbed cross section, the Spreader Ditcher slopes the banks and carries material from cut to fill in one operation. The machine can uproot heavily vegetated areas near roadways, widen cuts, and build up or prepare sub-grades for adjacent track construction.

### Spreading

With the ability to widen embankments, level sub-grade, and remove fouled ballast, the machine effectively covers all spreading jobs with ease. It can work flood clean-up in yards and main line and clean windrow dirt from crib excavations or ballast cleaning.

### Ice and Snow Removal

The Spreader Ditcher High Plow can clear 16 foot (4.9 m) snow drifts, and widens snow cuts with main wings and bank slopers. It has the ability to rip solid blue ice and handles slides mixed with rock, stumps, and frozen matter. The machine also cuts snow ditches for thaws and spreads snow in classification and switch yards.

## Special Application

*Developed over a century ago, the Spreader Ditcher has seen many changes through the decades, including converting from Air to Hydraulic operation in the 1960's. The latest development builds on the strong past and brings in updated to meet today's market requirements. The machine conquers all spreading, ditching, and plowing jobs encountered on the track.*

# SPREADER DITCHER

## Specifications

|  |   |
|--|---|
| Gauge                                  | Standard  |
| Weight Basic Machine<br>(Less Options) | 160,000 lbs. (72,500 kg)                                    |
| Length                                 | 53 ft. (16 m)   |
| Travel Width                           | 10 ft. 8 in. (3 m) Max                                      |
| Height                                 | 15 ft. 4 in. (4.7 m) Max                                    |
| Wheels                                 | 33 in. (838 mm) AAR Standard                                |
| Journal Bearings                       | 6 x 11 Roller Bearings                                      |
| Engine                                 | CUMMINS QSB 4.5, Tier 3; 110 HP @ 1800 RPM                  |
| Electrical Power                       | 24 VDC, 90 Amp Alternators 20kW, 120/240 Volt, Single Phase |
| Hydraulic Power                        | Double Pump, 23GPM per Section at 1800 RPM, 1800 PSI Max    |
| Pneumatic Power                        | Supplied from locomotive                                    |
| Braking                                | AAR Standard (ABDW or DB60 Valve)                           |
| Speed                                  | 50 mph (80 km/h)  |
| Hydraulic Reservoir Capacity           | 79 gal. (299 liters)  |
| Fuel Reservoir Capacity                | 100 gal. (378 liters)                                       |

Download full specs at [www.harscorail.com](http://www.harscorail.com)  
Watch video at [www.youtube.com/user/harscorail](http://www.youtube.com/user/harscorail)

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