

# SPREADER DITCHER





# SPREADER DITCHER

## Special Features

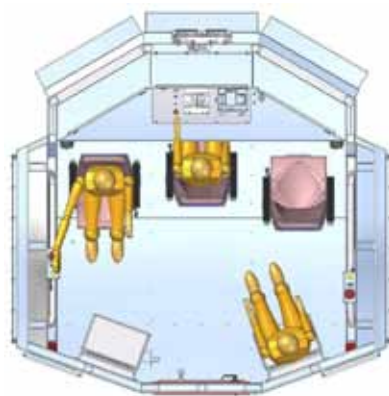
The Spreader Ditcher is a highly versatile machine that is used to plow heavy snow, spread ballast, reshape cuts in banks, and cut trackside ditches. At 160,000 lbs., and 53 feet long, it is equipped with an operator control cab, front plow, side wings, two non-powered bogies, AAR couplers, and an APU 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
- In cab control of powdered front cross plow
- Locomotive controls
- Powered front cross plow
- 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 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

*Originally designed in the 1960's, the Harsco Spreader Ditcher has been updated to meet today's market requirements. The machine conquers all spreading, ditching, and plowing jobs on the track.*

# SPREADER DITCHER

## Specifications

Gauge	Standard
Weight Basic Machine (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)

**Harsco Rail**  
 2401 Edmund Rd., Box 20  
 Cayce-West Columbia, SC 29171-0020

Tel: (803) 822-9160  
 Fax: (803) 822-8107  
 Email: [railinfo@harscorail.com](mailto:railinfo@harscorail.com)  
[www.harscorail.com](http://www.harscorail.com)



Bulletin #SD-01B-0513  
 Printed in USA, May, 2013



### Harsco Rail, Harsco Corporation Facility Locations:

2401 Edmund Road  
 Box 20  
 Cayce-West Columbia, SC 29171-0020  
 Tel: (803) 822-9160  
 Fax: (803) 822-8107

415 North Main St.  
 Fairmont, MN 56031-1837  
 Tel: (507) 235-3361  
 Fax: (507) 235-7370

200 S. Jackson Rd.  
 Ludington, MI 49431  
 Tel: (231) 843-3431  
 Fax: (231) 843-4830

900 Kings Highway North  
 Suite 208  
 Cherry Hill, NJ 08034  
 Tel: (856) 779-7795  
 Fax: (856) 779-7431

4 Strathwyn St.  
 P.O. Box 5287 Brendale  
 Queensland 4500, Australia  
 Tel: 61 7 3205 6500  
 Fax: 61 7 3205 7369

Unit 1, Chewton Street, Eastwood  
 Nottingham NG16 3HB  
 United Kingdom  
 Tel: 01773 539480  
 Fax: 01773 539481

Av. Marechal Camara  
 160 Grupo 1901  
 Control CEP: 20020-080  
 Rio de Janeiro-RG  
 Tel: (21) 2510-5151  
 Fax: (21) 2224-3484

Harsco Rail Europe GmbH  
 Rehhecke 80  
 40885 Ratingen  
 Germany  
 Tel: +49 2102 937200  
 Fax: +49 2102 37651

Harsco APAC Rail Machinery Trading  
 (Beijing) Co. Ltd.  
 Room 805, State Guest Mansion  
 No. 11 Fuwai Ave.  
 100037 Beijing, China  
 Tel: +8610-6800-3286  
 Fax: +8610-6800-3288

The HARSCO RAIL equipment pictured in this brochure is intended to illustrate the general appearance and features of this product. It is equipped as specified by a particular customer and may or may not show items that are optional or recommended by HARSCO RAIL, Harsco Corporation. Specifications, illustrations, and descriptive materials herein were accurate as known at the time this publication was approved for printing. HARSCO RAIL, Harsco Corporation reserves the right to discontinue models or options at any time or change specifications and materials, equipment and design without notice and without incurring obligation. Federal, State or Provincial, and/or local laws and regulations may require additional equipment for the particular use intended for this product. It is the buyer's responsibility to determine the applicability of such laws and regulations to the buyer's intended use for the product and to arrange for the installation of the required equipment. Other products and companies referred to herein are trademarks or registered trademarks of their respective companies and/or mark holders.