HEAVY-DUTY RAIL TRACK MAINTENANCE MACHINES AND ATTACHMENTS

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Ballast Tools Equipment

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BTE Hi-Rail Machines

Versatile line of Excavators and Backhoes to accomplish any job. BTE machines can handle a wide range of construction and maintenance activities coupled with quick on/off rail capabilities for flexibility, mobility, and productivity with limited track time.

MEDIUM EXCAVATORS

BTE-325

BTE-330

- Power: Caterpillar 164 HP (122.3 kW) · Approximate Weight: 39 ton
- Excavator Reach: Approx. 33 feet (10 m)

• Power: Caterpillar 273 HP (203.6 kW) • Approximate Weight: 45 ton • Excavator Reach: Approx. 35 feet (10.7 m)

BTE-326

- Power: Caterpillar 202 HP (151 kW)
- Approximate Weight: 39 ton
- Excavator Reach: Approx. 33 feet (10 m)

MINI EXCAVATORS

BTE-290H

- Power: Takeuchi 69.2 HP (51.6 kW)
- · Approximate Weight: 12 ton
- Excavator Reach: Approx. 24 feet (7.3 m)

BTE-308

- Power: Caterpillar 69.5 HP (49.7 kW)
- · Approximate Weight: 13.5 ton
- Excavator Reach: Approx. 24 feet (7.3 m)

BACKHOES

BTE-420

- Power: Caterpillar 94 HP (70 kW)
- · Approximate Weight: 11 ton
- Front Bucket Lift: Approx. 7,000 pounds, 1.25 yards
- Three-foot extend-a-hoe with 18-foot reach

BTE-450

- Power: Caterpillar 128 HP (96 kW)
- Approximate Weight: 15.5 ton
- Front Bucket Lift: Approx. 7,800 pounds, 1.75 yards
- Four-foot extend-a-hoe with 26-foot reach

SMALL EXCAVATORS

BTE-313

- Power: Caterpillar 100 HP (74.6 kW)
- Approximate Weight: 23 ton
- Excavator Reach: Approx. 30 feet (9 m)

BTE-M318

- Power: Caterpillar 169 HP (126 kW)
- Approximate Weight: 23 ton
- · Excavator Reach: Approx. 30 feet (9 m)







Increased clamping force. Jaw pads provide a powerful grip on ties.



PARALLEL TIE TALON Built-in rotator & high clamping force for secure handling of bridge ties.





TUBE TALON Leverages off rail, eliminating stress off backhoe & excavator booms.

TIE SHEAR Powerful Wood Tie shear designed for ties up to 11" wide.





TIE DRAGON Handle up to seven concrete ties once. Adjustable tie spacing 24"-30".



TIE GRAPPLE Grasp bundled or loose ties for easy movement and organizing.



CONCRETE TIE UNLOADER Bulk concrete tie unloader for picking and stacking up to 7 ties at a time.



UNDERCUTTERS Carbide tip chains cut in either direction to handle undercutting in tight guarters.

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UNDERCUTTIN



CRIB CUTTER Trencher-style for spot maintenance & cleaning out the cribs between the ties.



TAMPER - 2 MOTOR Great for tamping the hard-to-reach places of switches and diamonds.



TAMPER - 4 MOTOR Easily handles spot tamping of track maintenance needs.





ONSTRUCTION

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RAIL AND

PANEL LIFTER Four hydraulically controlled clamps handle wood tie panels up to 40 feet in length.



PILE DRIVER Capable of producing 40 tons of driving force & can handle a variety of pile types.



TRACKJACK Jack cylinders lift the rails off bridge ties to make tie replacement easier & safer.



TOWER SHEAR Four, ultra-heavy-duty cylinders, provide the crushing power to remove towers & clips.



AND SNOW

VEGETATION

MULCHER Carbide-tipped replaceable teeth & adjustable door for controlling feed rate.



COLD AIR BLOWER Produces up to 200mph wind speed for blowing snow, or other materials.



CULVERT CLEANER Can clear pipes 18" to 72" in diameter, & up to 140 feet in length.



MINI CULVERT CLEANER Can clear pipes 8" to 36" in diameter. & up to 60 feet in length.



BUCKETS

GRABBING BUCKET Multi-purpose bucket, valuable for major track repair projects.



CRIBBING BUCKET The thin profile is perfect for cribbing out mud spots in the track.



DITCHING BUCKET General purpose bucket, available in multiple widths & capacities.



DIGGING BUCKET General purpose, toothed, diaging bucket, Available in various widths & sizes.

BTE Versatile	
Attachments	

BTE Heavy-Duty and Innovative attachments for every scenario to maximize production.

Our extensive line of attachments helps keep machines productive every day of the year.

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BTE-313																								
BTE-290	H/308																							
BTE-450																								
BTE-420				•								•								•	•	•		•

BTE HI-RAIL SKID STEER













- Travel speed of approximately 11 mph on or off track
- Mobile Hydraulic Power-Pack with hose reel for hand tools
- Powers compact E-Clip, Safeloc Clip, and Tie Drill attachments
- Runs BTE Rail Saw, Spike Puller, and Track Spyder attachments
- · Handles traditional skid steer attachments and implements
- · Flexible and powerful hi-rail skid steer to increase productivity

Top Row: E-Clip Applicator, Track Spyder, Bridge Drill Bottom Row: Rail Saw, Spike Puller, Sateloc Clip Applicator-Remover

BTE CULVERT CLEANING SYSTEM



- Mechanical Augering System
- Work is completed off-track
- · Requires no water or vacuuming
- Cleans up to 150 feet of clogged pipe



BTE BRIDGE WORK SYSTEM

- · Roller rail clamps holds machines securely to rail
- Improved safety and efficiency
- TrackJack for lifting rails
- Maximize Tie Replacement productivity

#1 in Reliability, Productivity, and Support

The leading innovator in track maintenance solutions, the Ballast Tools Equipment (BTE) team boasts more than 50 years of field experience. BTE machines are highly engineered and field-tested to help ensure reliable and effective on-track operations.



