



**THE WORLD'S MOST PRODUCTIVE  
SHOULDER BALLAST CLEANER.**

## **SBC2400**

### **SHOULDER BALLAST CLEANER**

Our fourth-generation shoulder ballast cleaning technology, **the Loram SBC2400**, has revolutionized the speed, power and productivity expectations of our already best-in-class shoulder ballast cleaners. Equipped with four digging wheels and two separator screens, the SBC2400 is designed to handle and clean double the amount of material of Loram's class-leading HP SBC. Enhanced automation and state-of-the-art operational technology gives the Loram SBC2400 the capability to clean up to 2,400 m<sup>3</sup> (3,140 yd<sup>3</sup>) of ballast per hour, at work speeds up to 4 mph.

The self-propelled SBC2400 features synchronized 30-inch wide digging wheels to excavate ballast from the tie ends outward to the edge of the ballast section. To break up mud pockets and restore drainage, dual scarifier teeth undercut the tie ends to 5 inches. Like Loram's HP SBC, the SBC2400 features Loram's exclusive elliptical throw agitation separators and variable screen leveling, providing not only more effective ballast cleaning, but the ability to adjust cleaning forces to local conditions.

With its massive ballast cleaning capabilities and capacity, the Loram SBC2400 processes more material, twice as fast, within a shorter track window that produces lower unit costs.

#### **FEATURES AT A GLANCE**

- **Ballast handling capacity** of 2,400 m<sup>3</sup>/hr (3,140 yd<sup>3</sup>/hr)
- **Speeds up to 4 mph** (6.5 km/h) at typical digging depths of 8 in. (200 mm) below the bottom of the tie
- **Maximum digging depth** of 34 in. (860 mm) from top of rail
- **Effective ballast cleaning area** up to 34 in. (860 mm) beyond the end of the tie
- **Integrated scarifier teeth** that simultaneously undercut tie ends up to 5 in. (130 mm), breaking up mud pockets and restoring drainage
- **Discharge of separated fines** up to 29 ft (8.8 m) from track centerline

For more information on this machine, or on developing a tailored maintenance program for your railroad, contact Loram at **1-800-328-1466** or visit **LORAM.COM**



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3900 ARROWHEAD DRIVE | HAMEL, MN 55340 USA

# SPECIFICATIONS

## SBC2400 SHOULDER BALLAST CLEANER

SBC2400 SHOULDER BALLAST CLEANER	
Length <sup>1</sup>	290 ft (88.4 m)
Width <sup>1</sup>	10.8 ft (3.3 m)
Height <sup>1</sup>	– Working: 20.2 ft (6.2 m) – Traveling: 15.2 ft (4.6 m)
Weight <sup>1</sup>	752,050 lb (341,124 kg)
Working Speed	Up to 4 mph (6.5 km/h) at 8 in. (200 mm) cutting depth from bottom of tie
Production Rate <sup>2</sup>	3,140 yd <sup>3</sup> /hr (2,400 m <sup>3</sup> /hr)
Maximum Digging Depth	34 in. (860 mm) from top of rail
Digging Width	30 in. (760 mm) from end of tie
Scarifier Penetration	Up to 5 in. (130 mm) from end of tie
Waste Discharge	Up to 29 ft (8.8 m) from either side of track center or into an auxiliary car
Travel Speed	– Self-powered: Up to 50 mph (80 km/h) – In train consist: Up to 60 mph (100 km/h)
Gradeability	Up to 4%
Minimum Work Radius	17.5° curve (100 m radius)
Minimum Travel Radius	17.5° curve (100 m radius)

<sup>1</sup> Excluding Auxiliary Cars

<sup>2</sup> Typical; subject to application and material conditions

*Specifications subject to change*

### SBC2400 Additional Features & Benefits:

- Enhanced automated operation for fewer required personnel
- Cab-forward design for efficient and ergonomic operation
- Waste conveyor obstacle avoidance system
- Variable inclination screen with elliptical throw
- Integrated dust suppression
- AAR 400 & 401 compliant



### SERVICE & SUPPORT

With a 60-year plus legacy of serving the railroad industry with the most advanced technologies, the most reliable and productive maintenance of way equipment and world-class contract service work, Loram brings its partnership approach to every customer relationship. This includes an extensive training and technical support program with every machine. Whether for a heavy haul, high-speed, underground or metro-rail system, Loram has the equipment and services you need.

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