



LORAM



**INDUSTRY-LEADING PRODUCTIVITY,
SPEED AND QUALITY.**

RG400 SERIES PRODUCTION RAIL GRINDERS

Loram's production rail grinding workhorse, the **RG400 Series Production Rail Grinder** is proven worldwide in heavy haul, freight and larger commuter railroad applications. The RG400 delivers industry-leading productivity through increased available horsepower, advanced grind control systems, more grind stones and leading-edge quality assurance technologies. Single-pass precision control and grinding power combine to deliver unmatched productivity for efficient, high-speed preventative rail grinding programs or for intensive defect correction and profile restoration in corrective rail grinding programs.

With the capability to grind up to 20 mph, the RG400 Series is the best choice for maximizing available track windows while lowering unit cost. This modular-designed rail grinder series is engineered for scalability, enabling the railroad to specify up to 120 stones for optimized grind program efficiency and productivity. Features such as horsepower compensation, Rail Pro® rail grinding management software tools, and state-of-the-art rail measurement and vision systems ensure the right amount of metal is removed in the right place to maximize the life of the rail.

The RG400 Series is also equipped with features that improve work conditions and safety, allowing personnel to focus on production and quality, facilitating the most cost-effective production rail grinding programs.

FEATURES AT A GLANCE

- **Scalable configurations** from 60-stone to 120-stone to meet any railroad requirements
- **Unmatched grind speeds** up to 20 mph (32 km/h) for ultimate productivity
- **Best-in-class power** with 30 hp (22.4 kW) grind motors
- **Horsepower control system** for consistent metal removal and better fuel efficiency
- **Deep angle grinding** capabilities for all rail conditions
- **State-of-the-art** rail measurement and vision systems to verify grind quality

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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SPECIFICATIONS

LORAM RG400 SERIES PRODUCTION RAIL GRINDERS

	RG400 PRODUCTION RAIL GRINDER
Length ¹	500 – 700 ft (152 m – 213 m)
Width	10.8 ft (3.3 m)
Height	15.5 ft (4.7 m)
Maximum Axle Weight ¹	25.4 – 35.9 ton (23.0 – 32.5 tonne)
Grind Motors	60 to 120; 30 hp (22.4 kw) each
Grind Speed	3 – 20 mph (5 – 32 km/h)
Travel Speed	Self-propelled up to 60 mph (100 km/h)
Gradeability ¹	Up to 4%
Minimum Grind Radius	16° curve (110 m radius)
Minimum Travel Radius	22° curve (80 m radius)
Grind Angles	70° Gauge – 30° Field (100° range)
Generator Power ¹	Up to 4.3 Mw, 480 Vac/60 Hz, 3 ph
Fuel Capacity ¹	Up to 10,000 gal (37,900 L)
Water Capacity ¹	25,000 – 75,000 gal (94,700 – 283,900 L)
Track Gauge	39.4 – 63 in. (1,000 – 1,600 mm)

¹ Configuration dependent
Specifications subject to change

RG400 Series Grinder Additional Features & Benefits:

- Environmentally-friendly hydraulic fluid and robust dust collection systems
- Advanced dynamic braking and traction system
- Integral spark guards and blankets for fire suppression
- Advanced fire suppression technologies including ditch and tie sprays, foam, hose reels and mini-monitors
- Custom built, walk-around water cars hold up to 25,000 gallons of water per car, allowing the consist to carry up to 75,000 gallons while providing a safer work environment
- Enhanced operator ergonomics
- Auto machine lubrication to reduce maintenance and enhance accuracy
- The modular design enables the railroad to specify between 60 and 120 stones, depending on territory and railroad needs



Modular design allows specification of 60–120 grind stones



A combination of features and systems enhance fire suppression



Walk-around water cars offer total capacity up to 75,000 gallons

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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