



# THE MOST PRODUCTIVE CHOICE FOR SPECIALTY GRINDING.



## RGS SERIES 24-STONE SPECIALTY RAIL GRINDER

Built upon the proven RG400 platform, **Loram's RGS Specialty Rail Grinder** sets the standard for speed, performance and reliability in the specialty rail grinding market. The Loram RGS features 24 stones driven by 30 hp electric motors, achieving class-leading metal removal, productivity and throughput. The RGS grinds at speeds up to 12 mph in open rail grinding applications and typically grinds a crossing or each switch unit in 2 to 5 minutes.

The Loram RGS can grind tangent and curved rail with the same quality as a production rail grinder, yet offers true performance and precision to grind switches, crossings and other obstacles. This makes the Loram RGS an ideal choice for a dedicated specialty rail grinding solution on heavy haul railroads, or a versatile dual-purpose machine on commuter rail. With twelve, fully-flexible grind motors for each rail, as few as three passes are needed to grind the entire railhead. The Loram RGS vastly reduces the amount of time spent at each obstacle, producing superior grind profiles and metal removal in fewer passes than any other specialty rail grinder in the world.

Industry-leading metal removal capabilities, coupled with equipment durability, provide customers with superior performance, operational efficiencies and program optimization.

### FEATURES AT A GLANCE

- **Industry-leading 30 hp (23 kW) motors** for the most efficient metal removal, optimizes grind time and reduces cost
- **Ability to vary surface finish** through variable power reductions to grind motors
- **Independent tilt and shift** grind modules for total grind pass coverage
- **Eco-friendly** dust control system and hydraulic fluid
- **Machines can be quickly joined** to create a 48-stone rail grinder
- **High fuel efficiency** with low emissions

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**



LORAM.COM | 1-800-328-1466  
SALES@LORAM.COM | 763-478-6014  
3900 ARROWHEAD DRIVE | HAMEL, MN 55340 USA

# SPECIFICATIONS

## LORAM RGS SERIES 24-STONE SPECIALTY RAIL GRINDER

	RGS SERIES SPECIALTY RAIL GRINDER
Length <sup>1</sup>	135 ft (41.2 m)
Width	9.8 ft (3 m)
Height	14.1 ft (4.3 m)
Maximum Axle Weight <sup>1</sup>	25.4 – 33.1 ton (23.0 – 30 tonne)
Grind Motors	24; 30 hp (23 kW) each
Grind Speed	2 – 12 mph (3 – 20 km/h)
Travel Speed	Self-propelled up to 60 mph (100 km/h)
Gradeability	Up to 4%
Minimum Grind Radius	16° curve (110 m radius)
Minimum Travel Radius	22° curve (80 m radius)
Grind Angles	75° Gauge – 25° Field (100° range); coverage to 45° Field
Generator Power	Up to 945 kw, 480 Vac/60 Hz, 3 ph
Fuel Capacity <sup>1</sup>	Up to 1,500 gal (5,700 L)
Water Capacity <sup>1</sup>	Up to 4,500 gal (17,500 L)
Track Gauge	39.4 – 63 in. (1,000 – 1,600 mm)

<sup>1</sup> Configuration dependent  
Specifications subject to change

### RGS Series Grinder Additional Features & Benefits:

- Grind through switches, crossings, guard rails, self-guarded frogs, hot box detectors at speeds ranging from 2 to 12 mph (3 to 20 km/h)
- Grinding angles from 45° Field, 75° Gauge to address all grinding conditions
- Optional deep gauge grinding
- Storage for up to 100 grind patterns with 72 angle settings
- Environmentally-friendly, water-glycol hydraulic fluid and robust dust collection systems
- Integral spark guards and blankets for fire suppression
- Fire protection equipment with cold weather operation including tie sprays, ditch sprays, water cannons, grind car foam proportioning system and large on-board water supply
- Cab-forward power car
- Machines can be quickly joined to create a 48-stone rail grinder



### 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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