



Friction Drive Hi- Rail Gear for... Kershaw G3 Tree Trimmer



Discover the cutting-edge innovation of the Mitchell Rail Gear Friction Drive Hi-Rail System, engineered specifically for Kershaw Tree Trimmers. This advanced solution transforms Kershaw machines into versatile, dual-purpose units that seamlessly transition from conventional on-ground tree trimming to efficient, on-rail tree trimming.

At the core of the system is a retractable Friction Drive Hi-Rail Gear, precisely integrated into the Kershaw's frame. This innovative design preserves the machine's primary rubber-tire trimming functionality while enabling reliable operation as a railroad tree trimmer. Meticulously engineered for a precise fit, the system delivers outstanding performance both on the ground and on the railroad track. Operators can access and exit the track virtually anywhere—eliminating the need for a railroad crossing.

Our hardened forged steel rail wheels feature a friction cast drive hub that engages directly with the tires, utilizing tire rotation to propel the machine along the railroad track at speeds of up to 20 mph. This proven mechanical friction drive system is renowned for its reliability, leveraging the existing road axle driveline and braking system for both propulsion and braking while on rail. Hydraulic locking mechanisms ensure precise alignment between the tires and friction drive hubs, providing consistent traction for on rail safe travel.

Additionally, the system includes an articulation hydraulic lock that confirms proper alignment of the front and rear rail wheels and securely locks the machine straight for rail travel, enhancing operator confidence and operational safety.

The Mitchell Rail Gear Friction Drive Hi-Rail System is supplied with FRA-compliant railroad lighting, with optional insulated rail wheels available to meet specific operating requirements.

www.Mitchell-RailGear.com

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