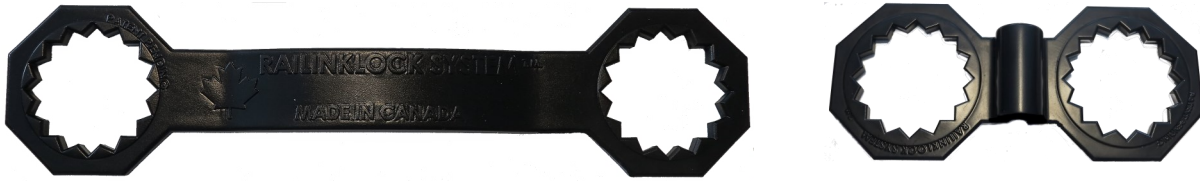


RAILINKLOCK SYSTEM™

Making Railway Tracks Safer!



DESIGNED, ENGINEERED AND MANUFACTURED IN NORTH AMERICA
Patent Pending Tafcan Consulting Ltd. & LDM Associates Limited

Application: Railinklock System™ is a secondary safety device that is installed on the nuts securing the bolts that hold joint bars and frog bars in place. The unit locks two joint bar or frog bar nuts together, creating resistance between the two nuts minimizing their ability to move/rotate. Railway track sections are connected either by “Joint Bar Systems” or they may be welded together. The “Joint Bar System” requires a series of bolts to hold the joint bars in place at a railway track joint and are designed to keep both vertical and horizontal movement to a minimum while maintaining clamping pressure at the joint. Frog bars are used at track junctions where the train can be diverted to another section of track. These joints must withstand substantial forces as the train is diverted to the alternate track. Misalignment of the rails can lead to both rail and train damage and the potential for a accident. Each time a train passes over a joint that has been connected by a joint or frog bar system, significant vibration, vertical and some horizontal movement of the track is generated by the on-and-off weight of the train cars. Loose joint or frog bars allow significant movement of the railway tracks when railcars pass over, resulting in various levels of damage to the rails themselves or potentially causing the tracks to separate and trigger a train accident. “Joint and Frog Bar Systems” require a continuous schedule of preventative maintenance to ensure the railway tracks function as designed. Frog bars experience additional stresses and pressure when compared to joint bars because the train is being forced sideways on the track to a new track; making preventative maintenance even more crucial.

Railinklock System™ can make a difference! After the joint bars or frog bars have been installed and the nuts tightened to the recommended torque per required specifications, Railinklock System™ can be easily fitted over two adjoining nuts to secure them. When the nuts are secured with Railinklock System™ they will not loosen and will ensure that the joint bars maintain their clamping pressure.



Why use Railinklock System™?

- ◆ Fast & simple to install, no tools, (simply push **Railinklock System™** on over two adjacent nuts after the nuts are properly installed and torqued as specified)
- ◆ Maintains clamping pressure on a consistent basis – nuts will not rotate off between scheduled maintenance checks.
- ◆ **Railinklock System™** units are easy to remove and reinstall for maintenance or when torque checks are required.
- ◆ Economical to outfit a railway system
- ◆ **5-Year Warranty**, expected **10 year lifespan** (an installation plus for difficult or remote sites)
- ◆ Proven - companion product **Zafety Lug Lock®** used for Commercial Trucks and Public & Private Transit Buses has been through extensive laboratory and field testing. Millions of units in use in these sectors
 - for eight years under similar environmental forces and conditions (potentially more rigorous because of the centrifugal forces on the wheels).
- ◆ Reusable

For more information contact: **Raillock LLC**, scottw@raillock.net 434-258-9820, vanf@raillock.net, 434-401-5660
or **Tafcan Consulting Ltd.**, tafcan@cogeco.ca, 905-334-3771