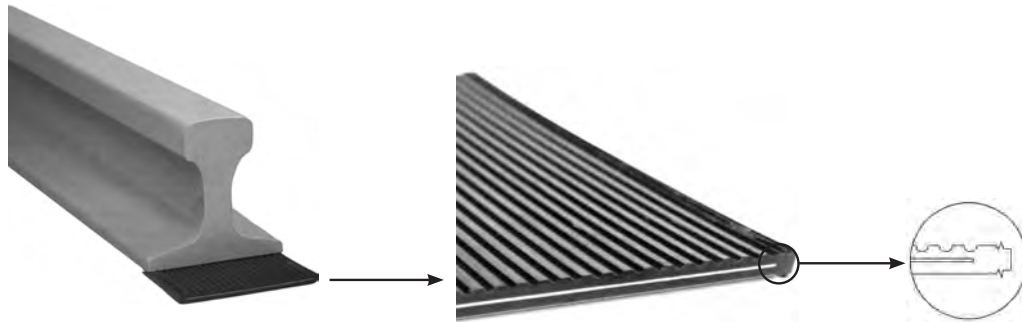




CRANE RAIL PADS, GIRDER TIE-BACK LINKAGES

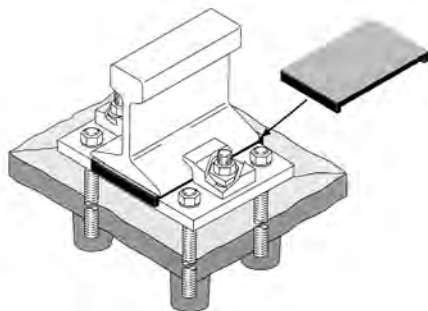


Heavy Duty Rail Applications

The high-performance pad is purpose-built for soft installation of crane rails. It's made from a synthetic elastomer that offers excellent resistance to abrasion, shear forces, and compression, as well as oil, grease, UV rays, and ozone. The grooved top surface provides variable stiffness, enhancing durability while avoiding excessive rail deflection. A high-strength steel insert, fully vulcanized within the rubber, reinforces the pad. This insert serves as a diaphragm, delivering lateral rigidity and ensuring the pad holds its shape under side pressure from the rail, even with heavy wheel loads or reduced friction due to contaminants. Seals at both the upper and lower edges block dirt and moisture from entering—protecting the pad, rail, and support structure from early wear or failure.

Features include:

- Distribute the wheel load over a larger surface area
- Eliminate load concentration and the resulting fatigue stresses
- Compensate for the uneven surface between the rail and its support
- Reduce impact, vibration, and noise
- Eliminate fretting corrosion (wear) of the support surface under the rail



The Riemsarail segmented rail pad is specially engineered to address the challenges linked to non-continuous rail support. It is compatible with all rail types and intended for use on a steel baseplate in combination with shim stacks or grout.

- Crowned construction centers load on pedestal and eliminate edge load on concrete pedestals
- Molded end-stops prevent longitudinal creep
- Elastomer construction reduces shock and vibration, noise, and local bearing stress on concrete

Discontinuous Rail Support

A common area of failure with active crane runways is the crane girder to building column connection.



Girder Tie-Back Linkage

The Tie-Back System is designed to provide a proven solution to this problem. Some of the most important characteristics are:

- Spherical bearings allow girder end rotation, longitudinal and vertical movement without stressing the tieback linkage.
- A single linkage can transmit up to a 165 kip side thrust in tension or compression.
- Sizes are available to fit any girder and column configuration.
- The tie-back linkage assembly eliminates diaphragms and the associated maintenance from cracking.
- Designed to suit any application.