

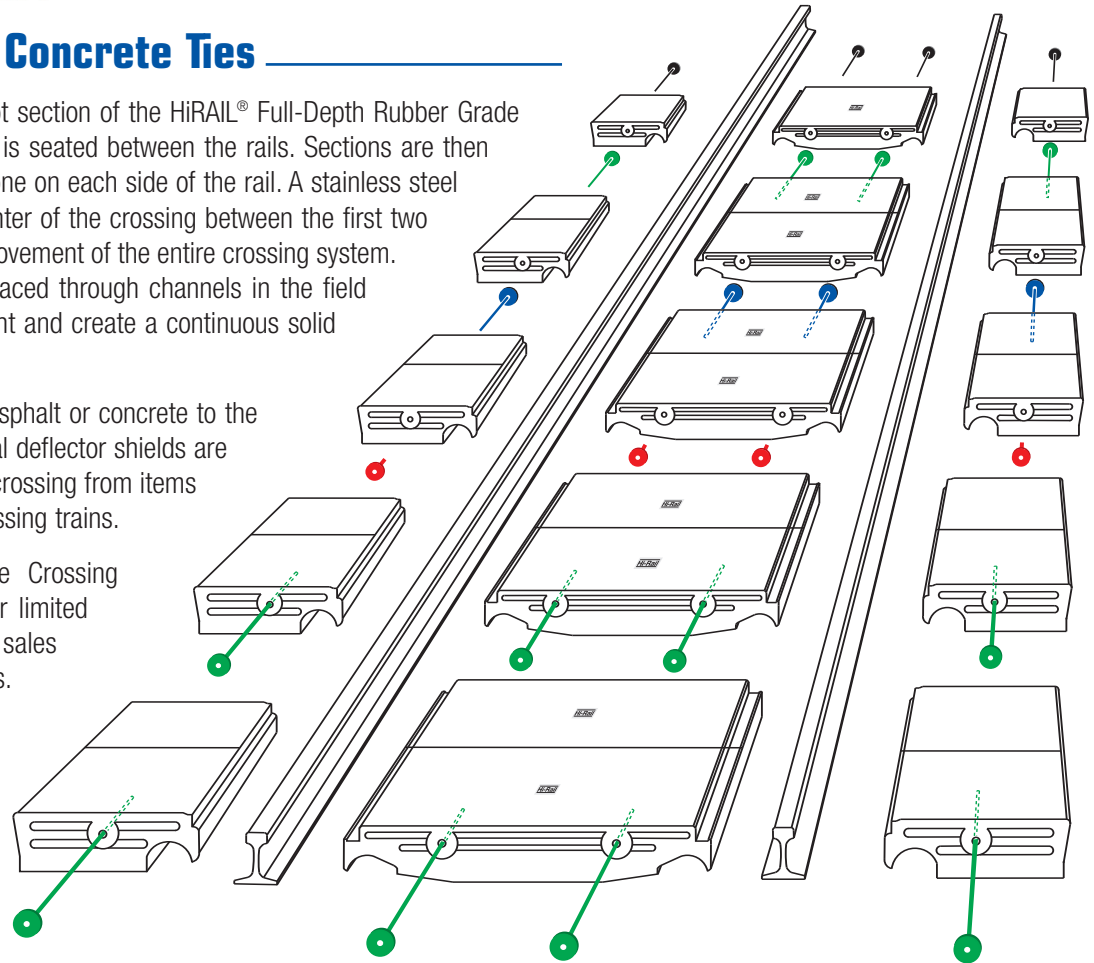
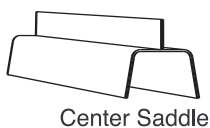
System For Use on Concrete Ties

Within each interlocking three-foot section of the HiRAIL® Full-Depth Rubber Grade Crossing System, one gauge pad is seated between the rails. Sections are then completed with two field pads – one on each side of the rail. A stainless steel center saddle is placed at the center of the crossing between the first two pads installed to prevent lateral movement of the entire crossing system. Tested steel stabilizer rods are placed through channels in the field and gauge pads to keep pads tight and create a continuous solid crossing surface.

Approaches are completed with asphalt or concrete to the full depth of all field pads. Optional deflector shields are also available to help protect the crossing from items that may be dragging beneath passing trains.

HiRAIL Full-Depth Rubber Grade Crossing Systems are covered by a 5-year limited warranty. Contact your HiRAIL sales representative for complete details.

- Standard Rod
- Center Coupler
- Short Rod
- Center Rod



Resistance

The surface coating is ozone and crack resistant. The material is resistant to the following chemicals:

Ammonia, ASTM oil N° 1, brake fluids, n-butanol, di-ethylene-glycol, ethanol, ethylene-glycol, fatty acids, glycerol, hydrochloric acid, methanol, n-propanol, sodium base 50%, sulfuric acid 25%; distilled, sea and waste water.

Resistance is defined as a change in the main physical properties after more than 20 days at 120°F = 50°C, see physical data. For waters this is valid for more than 4 years at the a.m. temperature.

- change in weight** ± 30%
- tensile strength** - 50%
- hardness** ± 15 ShA

Physical Data

Elastomer Classification	ASTM D 2000
Line Callout	ASTM D 2000, M2 AA 710 C12 F17
Hardness	ASTM D 2240, 65 ± 5 Shore A
Tensile Strength	ASTM D 412, > 12 MPa
Ultimate Elongation	ASTM D 412, > 350%
Density	ASTM D 297, 1.18 ± 0.02 g/cm ³
Abrasion Resistance	DIN 53516, < 150 mm ³
Skid Resistance	ASTM E 303, > 65 BPN
Resistance To Ozone	ASTM D 1171, C12
Accelerated Aging	ASTM D 573, A13
Compression Set (22h, 70°C)	ASTM D 395, < 20%
Volume Resistivity	ASTM D 257, 1.3 x 10 ⁷ ohms/cm
Low Temperature Brittleness	ASTM D 2137, -105°F = -40°C F17