

Rail Solutions

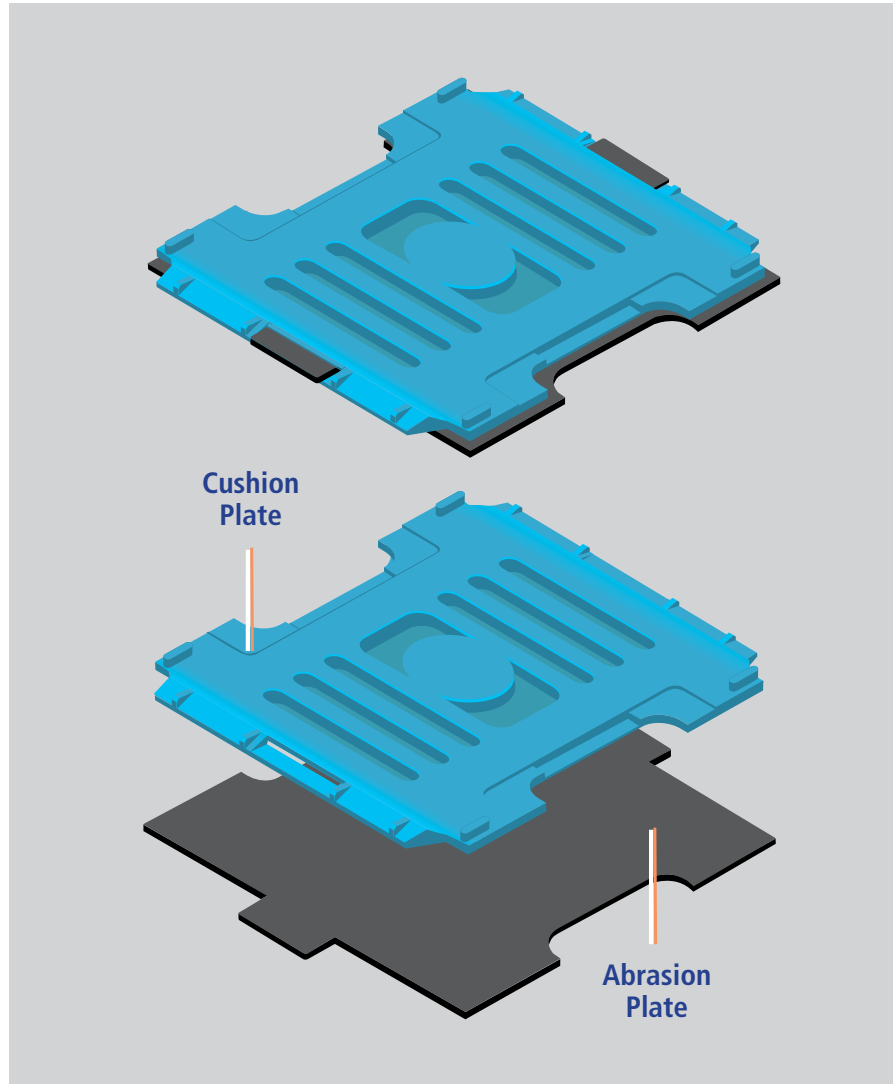
The patented **DuraSurf™** Rail Cushion Assembly is a resilient UHMW-PE pad for placement against the lower surface of a railroad rail and an underlying abrasion plate for placement against a railroad tie. The rail pad includes a pair of slots that extend through opposite end sloping edge panels that are adjacent to the lower surface of the rail pad. The abrasion plate is a flat, sheet-like component that has a generally similar shape as that of the rail pad but includes a pair of outwardly extending connection tabs, one at each of a pair of opposite edge surfaces. The connection tabs of the abrasion plate are received in respective slots of the rail pad to provide the **DuraSurf™** Rail Cushion Assembly in **ready-to-use** form and without requiring on-site assembly of the component.

CUSHION PLATE

- Injection molded thermoplastic polyurethane
- Overall thickness 0.23"
- Polyester-based elastomer
- Highly impact and abrasion resistant
- Weather and solvent resistant
- Low minimum temperature flexibility
- Durometer range Shore D 55-75

ABRASION PLATE

- Sintered UHMW polyethylene
- 1.57mm (.062") thick
- Anti-static conductive and UV stable
- Extremely low coefficient of friction
- Highly impact and abrasion resistant
- Weather and solvent resistant
- Low minimum temperature flexibility
- Maximum continuous temperature 180F (220F intermittent)



IMPROVED PERFORMANCE

- **Reduced force displacement**
- **Reduced shock and vibration**
- **Improved load distribution**
- **Improved durability for ties and fasteners**
- **Reduced service downtime**
- **Improved stability in the track system**



ADVANCED THERMOPLASTIC SOLUTIONS

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