



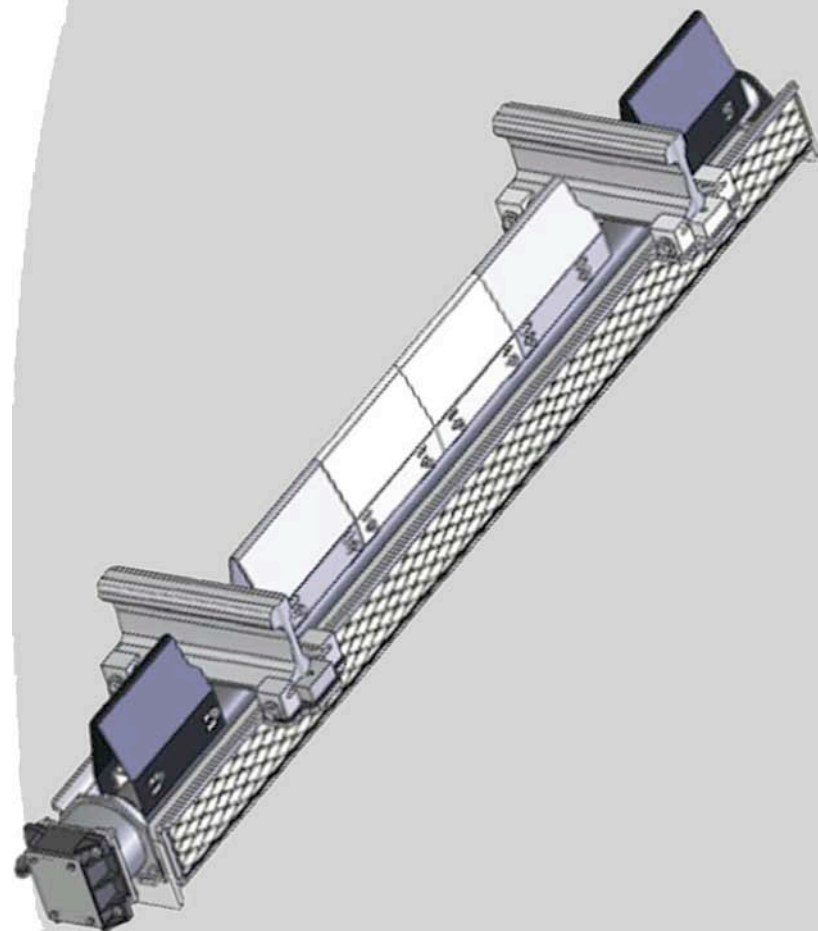
## In-Tie Dragging Equipment Detector

Protect your rolling stock, cargo, concrete ties and track structures from dragging equipment under a moving train with dragging detection technology from Progress Rail Services.

The In-Tie Dragging Equipment Detector improves ballast and track conditions at DED locations by eliminating the need for gauge plates, repositioning of ties, and allowing for efficient ballasting and tamping operations around the detector.

Constructed of rugged steel, the Progress Rail In-Tie Dragging Equipment Detectors are self-restoring. The In-Tie DED includes a magnetically activated switch for high reliability. The In-Tie DED detects train derailments and alerts train crews and operations centers to prevent damage to equipment.

Designed to replace one existing wood or concrete crosstie without repositioning any others, the In-Tie DED rail clamp is insulated from the tie to prevent shunting of the rails.



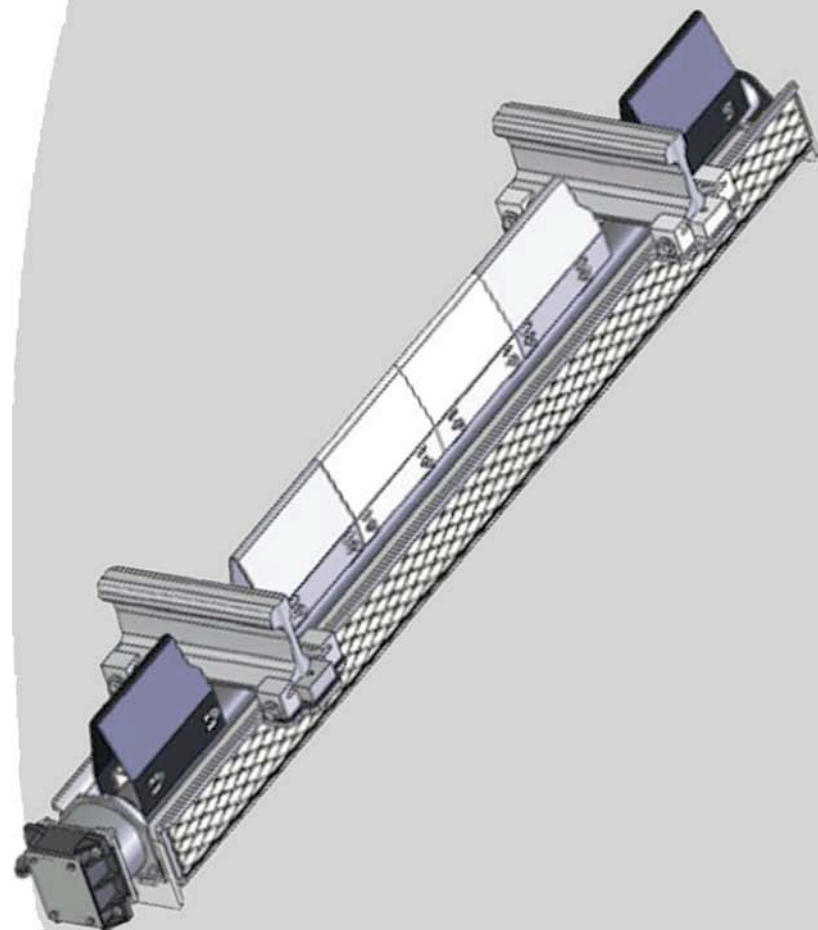


## Paddle Draggers

The In-Tie DED is self restoring. A contact closure output is used for alarm indication, and has an adjustable trip point. Paddle draggers detect alarms between and outside the rail. MagAmp position detector is included standard.

## Benefits

Minimize / Eliminates antiracking leading to longer bearing life.  
No Slip rail clamps eliminate the need for gauge plates at HBD sites.  
Universal connector tie kit eliminates need for concrete tie kits.





## Specifications

### Tie Materials

½" ASTM A572  
60,000 psi yield strength steel  
No Slip rail clamps

### Operating Temperature

Minimum: -40F (-40C)  
Maximum: +160F (+71C)

### Interface Output

Normally closed output to common

### Dimensions

Length: 103.37in (2625.6mm)  
Tie Width: 11.75in (298.45mm)  
Total Width: 18.25in (463.6mm)  
Total Height: 16.87in (428.5mm)  
Depth: 10.5in below rail (266.7mm)

### Weight

750 lbs (340kg)

### Finish

#1579 Black Rustoleum

### Power Supply

10-16V dc

