



DAVRAIL
INCORPORATED



TRACS

Turnout Remover and Carrier System

The TRACS Turnout Remover and Carrier System is an innovative new solution for turnout/panel movement, installation, and track construction.

In the dynamic and demanding world of railway maintenance, safety and efficiency are paramount. The DavRail TRACS (Turnout Remover & Carrier System) is a revolutionary solution designed to redefine how turnout panels are managed.

Engineered for maximum performance, TRACS series offers an unparalleled combination of safety, efficiency, and versatility, transforming the way rail infrastructure is maintained.

Fast switch and panel removal or installation enables track work in short possession windows. DavRail's TRACS series equipment safely lifts, transports, and installs all types of switches and panels for any gauge, while our transport system moves large assemblies from build to site for easy installation.

Key Features of TRACS

- **Fully Remote-Control Operation:** The TRACS series is operated entirely via remote control, allowing for precise maneuverability and operation from a safe distance. This innovation significantly enhances safety by reducing the need for personnel to be in close proximity to active lines.
- **Compatible With All Track Gauges:** The TRACS series is engineered to handle turnout panels of any size gauge and configuration. Its adaptability ensures that the series can be used across various railway networks without requiring modifications.
- **Efficient Self-Loading Capability:** The TRACS series can load itself onto road transport vehicles, streamlining the logistics of moving the machine between job sites. This self-loading feature reduces downtime and transportation costs, making The TRACS series an even more attractive solution.
- **Side Shift Capabilities:** The TRACS series is designed for superior maneuverability on all types of track. It can move both along the track, as well as navigate sideways to facilitate precise installation of turnout panels - *Side Shift*. This flexibility allows for dramatically more efficient and infinitely more accurate adjustments, minimizing the time required for track or geometry changes.

Performance Specification

A diesel powered, hydraulically driven, remotely operated, tracked vehicle with a range of attachments for handling all lengths of turnout panels

Performance Characteristics

- TRACS series of machines can be used in multiples for any track gauge.
- Their compact design allows for easy transport, quick setup, and removal.
- They operate safely on gradients up to 11° before an alarm activates, and can cross all rail types.
- If the main engine fails, they use a built-in recovery system to clear the tracks.

Safety & Efficiency

The TRACS series is engineered with a strong emphasis on safety. By removing the need for manual handling in potentially dangerous environments, The TRACS series minimizes the risk of accidents and injuries. Its remote control operation further ensures that operators can maintain a safe distance from the rail line, adhering to the most stringent safety protocols.

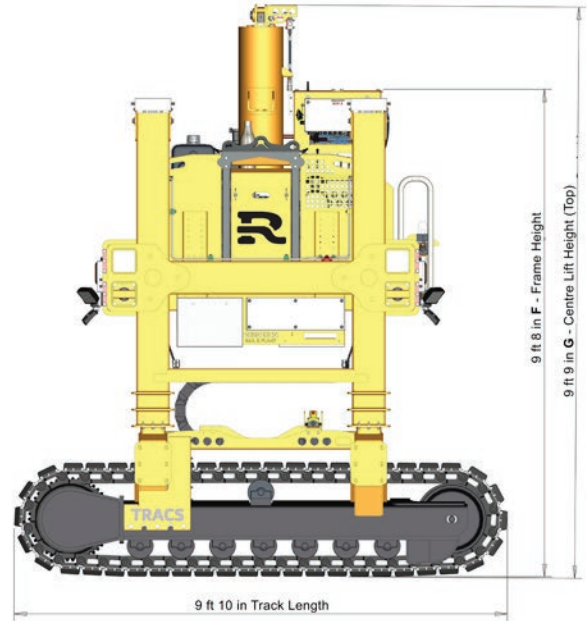
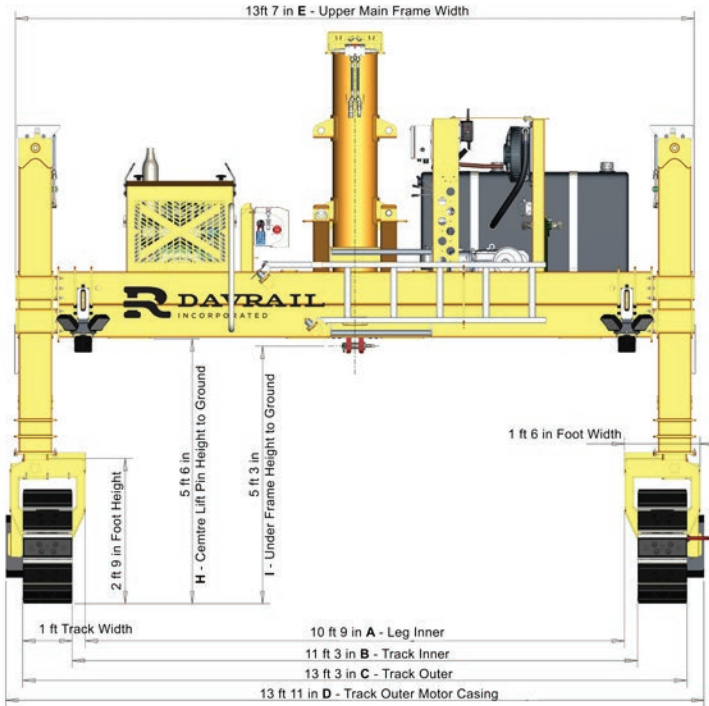
Likewise, The TRACS series offers a transformative approach to turnout panel management. The ability to self-load onto road transport and its versatile movement capabilities streamline the entire process of removing, transporting, and installing turnouts and panels, reducing the overall project costs.

Conclusion

The TRACS Turnout Remover And Carrier System represents a significant advancement in MOW technology. By prioritizing safety through remote operation and enhancing efficiency with its self-loading and versatile movement features, TRACS series sets a new standard for turnout handling. Embrace the future of railway maintenance with The TRACS series, and experience unparalleled safety, efficiency, and innovation in every project.



Dimensions (Bravo Shown)



| Metric (mm) | Alpha Retracted | Alpha Extended | Bravo Retracted | Bravo Extended | Charlie Retracted | Charlie Extended |
|-------------------------------------|---|----------------|----------------------------|----------------|-------------------|------------------|
| A. Leg Inner | 14 ft 4 in | 20 ft | 10 ft 9 in | 16 ft | | |
| B. Track Inner | 14 ft 10 in | 21 ft 5 in | 11 ft 3 in | 17 ft 4 in | | |
| C. Track Outer | 16 ft 10 in | 23 ft 5 in | 13 ft 3 in | 19 ft 4 in | | |
| D. Track Outer Casing (Max Width) | 17 ft 6 in | 24 ft 2 in | 13 ft 11 in | 20 ft | | |
| E. Upper Main Frame Width | 16 ft 3 in | 22 ft 10 in | 13 ft 7 in | 19 ft 7 in | | |
| F. Frame Height (Max Top Height) | 9 ft 8 in | 13 ft 8 in | 9 ft 8 in | 13 ft 8 in | | |
| G. Centre Lift Height (Max Top End) | 9 ft 9 in | 13 ft 9 in | 9 ft 9 in | 13 ft 9 in | | |
| H. Centre Lift Pin Height to Ground | 3 ft 6 in | 7 ft 5 in | 5 ft 6 in | 7 ft 5 in | | |
| I. Under Frame Height to Ground | 5 ft 3 in | 9 ft 4 in | 5 ft 3 in | 9 ft 4 in | | |
| Track Width | 1 ft | | 1 ft | | | |
| Track Height | 2 ft 3 in | | 2 ft 3 in | | | |
| Track Length | 9 ft 10 in | | 9 ft 10 in | | | |
| Centre Lift Ram Vertical Travel | 3 ft 11 in | | 3 ft 11 in | | | |
| Vertical Leg Travel | 3 ft 11 in | | 3 ft 11 in | | | |
| Leg Horizontal Travel (Per Side) | 3 ft 3 in | | 2 ft 11 in | | | |
| | Alpha | | Bravo | | | |
| Machine Tare Weight | 16,535 lbs (8 US tons) | | 14,330 lbs (7 US tons) | | | |
| Hydraulic Tank Capacity | 53 gallons | | 53 gallons | | | |
| Diesel Fuel Capacity | 29 gallons | | 29 gallons | | | |
| Lifting Capacity (tonnes) | 27, 550 lbs (12.5 US tons) | | 27, 550 lbs (12.5 US tons) | | | |
| Lifting Beam | Available to suit any gauge or form of rail | | | | | |

**“Charlie”
COMING SOON**

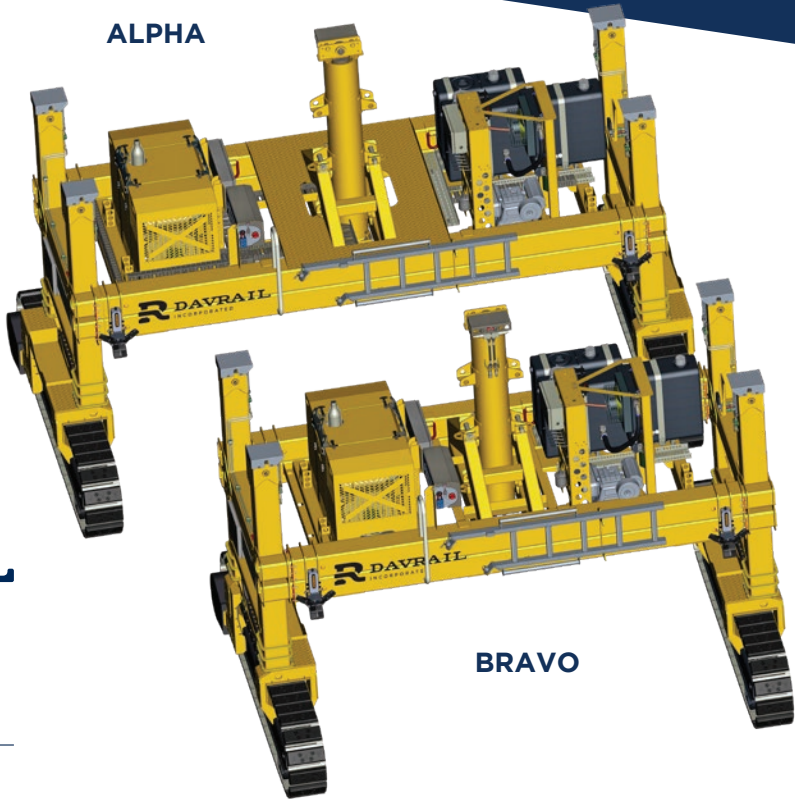
| Model | Mode | Height | Width | Max Tie Length |
|---------|-----------|------------|-------------|----------------|
| ALPHA | Transport | 9 ft 9 in | 17 ft 6 in | |
| | Operating | 13 ft 9 in | 24 ft 2 in | 20 ft |
| BRAVO | Transport | 9 ft 9 in | 13 ft 11 in | |
| | Operating | 13 ft 9 in | 20 ft | 16 ft |
| CHARLIE | Transport | 8 ft 5 in | 8 ft 2 in | |
| | Operating | 12 ft 2 in | 12 ft 9 in | 10 ft |

*These products are being continuously improved and updated. As such, specifications and information are subject to change.



CHARLIE
(coming soon)

ALPHA



BRAVO



p. +1-717-DAV-RAIL | e. contact@davrail.net
www.davrail.com

DavRail Incorporated
6300 Ridglea Place, Suite 1208
Fort Worth, Texas 76116

*These products are being continuously improved and updated. As such, specifications and information are subject to change.

Safety Engineered | Speed Delivered | Budget Optimized

