



**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.

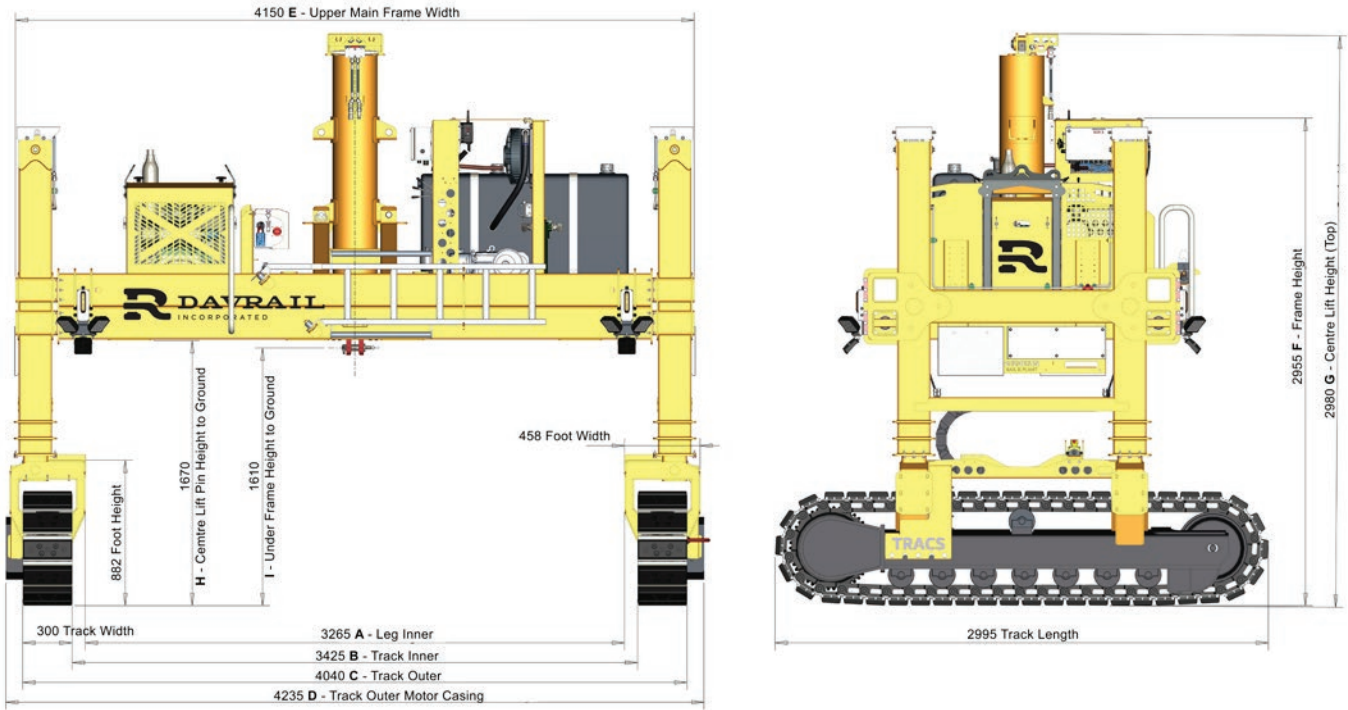
Likewise, The TRACS series offers a transformative approach to turnout panel management. The ability to self-load onto road transport and its versatile movement capabilities streamline the entire process of removing, transporting, and installing turnouts and panels, reducing the overall project costs.

### 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	4375	6370	3265	5115		
B. Track Inner	4525	6530	3425	5270		
C. Track Outer	5130	7130	4040	5880		
D. Track Outer Casing (Max Width)	5330	7365	4235	6100		
E. Upper Main Frame Width	4955	6955	4150	5970		
F. Frame Height (Max Top Height)	2955	4170	2955	4170		
G. Centre Lift Height (Max Top End)	2980	4190	2980	4190		
H. Centre Lift Pin Height to Ground	1070	2270	1670	2270		
I. Under Frame Height to Ground	1610	2840	1610	2840		
Track Width	300		300			
Track Height	690		690			
Track Length	2995		2995			
Centre Lift Ram Vertical Travel	1200		1200			
Vertical Leg Travel	1200		1200			
Leg Horizontal Travel (Per Side)	990		900			
	<b>Alpha</b>		<b>Bravo</b>			
Machine Tare Weight	7.5 Tonnes		6.5 Tonnes			
Hydraulic Tank Capacity	200 Litres		200 Litres			
Diesel Fuel Capacity	110 Litres		110 Litres			
Lifting Capacity (tonnes)	12.5 Tonnes		12.5 Tonnes			
Lifting Beam	Available to suit any gauge or form of rail					

**“Charlie”  
COMING SOON**

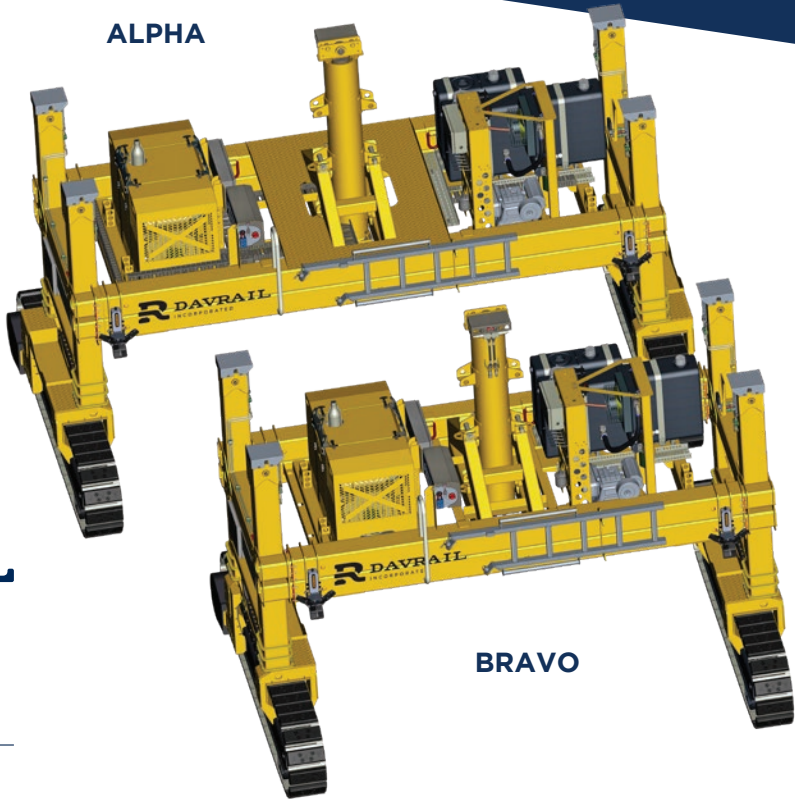
Model	Mode	Height	Width	Max Tie Length
ALPHA	Transport	2980 mm	5330 mm	
	Operating	4190 mm	7365 mm	6360 mm
BRAVO	Transport	2980 mm	4235 mm	
	Operating	4190 mm	6100 mm	5110 mm
CHARLIE	Transport	2542 mm	2465 mm	
	Operating	3692 mm	3865 mm	3290 mm

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



**CHARLIE**  
(coming soon)

**ALPHA**



**BRAVO**



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**Safety Engineered | Speed Delivered | Budget Optimized**

