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TRACS

Turnout Remover and Carrier System



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A New Way Forward In Maintenance of Way

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 Affective Rail & Plant TRACS (Turnout Remover and Carrier System) is a revolutionary solution designed to redefine how turnout panels are managed. Engineered for maximum performance, TRACS offers an unparalleled combination of safety, efficiency, and versatility, transforming the way rail infrastructure is maintained.

Key Features of TRACS

- **Fully Remote-Control Operation:** The TRACS system 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:** TRACS is engineered to handle turnout panels of any size gauge and configuration. Its adaptability ensures that the system can be used across various railway networks without requiring modifications.
- **Efficient Self-Loading Capability:** The TRACS system 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 TRACS an even more attractive solution.
- **Side Shift Capabilities:** TRACS is designed for superior maneuverability on all types of track. It can move both along the track with turnout panels in tow, as well as navigate sideways to facilitate precise installation of points, *Side Shift*. This flexibility allows for quicker and 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

- **Height Center-Top Position:**
136in (retracted), 183in (ext)
- **Height Center-Bottom Position:**
116in (retracted), 163in (ext)
- **Height Frame:**
116in (retracted), 164in (ext)
- **Base Weight:**
16,535 lbs per machine
- **Lifting Capacity:**
27,558 lbs per machine
- **Lifting Beam - 4 Point Quadlift "H" Beam:**
Available to suit any gauge or form of rail
- **Fuel Capacity:**
29.06 US gallons typical for 2 x typical 10 hour shifts

Safety & Efficiency

The TRACS system is engineered with a strong emphasis on safety. By removing the need for manual handling in potentially dangerous environments, TRACS 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, TRACS 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 sets a new standard for turnout handling. Embrace the future of railway maintenance with TRACS, and experience unparalleled safety, efficiency, and innovation in every project.



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Additional Features & Benefits

- **Adjustable track width** allowing use in Extra Wide environments.
- **27,558 lbs/12.5 tonnes** lifting capacity.
- Suitable for **single line & multiple track layouts**
- The TRACS machines are designed to work in multiples to **handle any gauge of track/panel**.
- **Compact size and maneuverability** allows for easy transportation, rapid deployment, and demobilisation.
- **Travels safely at gradients of 11 °** before alarm setting is triggered.
- In the event of a main engine power failure, the TRACS machine can be moved off the rail infrastructure utilising its own **built-in recovery system**.
- **EMC Certified** to ISO11452 (Automotive EMC)
- **Noise level at operators' ear:** 76dB (A), engine idle / 84dB (A) engine full at 1 m radius
- **EU Stage vs US,** Tier 4 Final compliant engine limits emissions exposure

Machine Data	Imperial	Metric
Track Gap	57 in (Min) 112 in (Max)	4528 mm (Min) 6528 mm (Max)
Vehicle Width	210 in (Min) 289 in (Max)	5333 mm (Min) 7333 mm (Max)
Vehicle Height	136 in (Min) 183 in (Max)	3451 mm (Min) 4640 mm (Max)
Track Width	11.81 in	300 mm
Track Height	27.17 in	690 mm
Track Length	117.87 in	2994 mm
Machine Tare Weight	16,535 lbs	7.5 tonnes
Gross Vehicle Weight	44,093 lbs	20 tonnes
Main Ram S.W.L.	27,558 lbs	12.5 tonnes
Leg Vertical Travel	48 in	1219 mm
Leg Horizontal Travel (per leg)	39.8 in	1000 mm
Horizontal Travel (per side)	39.8 in	1000 mm
Centre Lift Ram Vertical Travel	48 in	1219 mm

Engine Data	Imperial	Metric
Oil Capacity	2.51 US gallons	9.5 litres
Coolant Capacity	2.11 US gallons	8 litres
Fuel Type	Diesel	
Fuel Tank	29.06 US gallons	110 litres

Hydraulic Data	Imperial	Metric
Tank Capacity	53 US gallons (Max)	200 litres

Safety Engineered | Speed Delivered | Budget Optimized

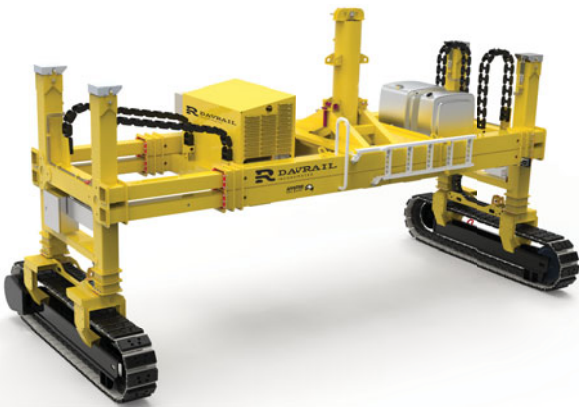
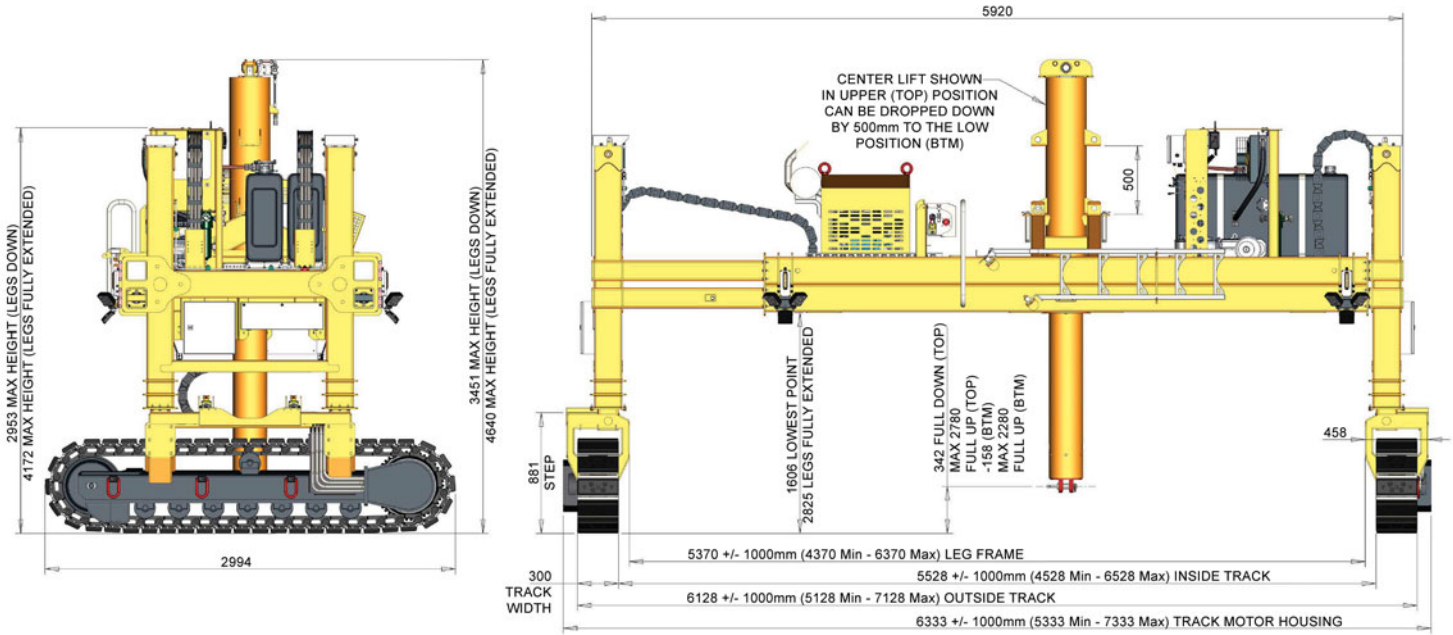




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Dimensions



4 Point Quadlift "H" Beam



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