

Railtrac B42V

A truly unique and flexible multi-purpose system for welding and cutting.



Railtrac B42V is a welding tractor system of components that can be configured to create the optimal solution for your mechanized welding application. To minimize problems associated with harsh environments, most mechanical parts are constructed in aluminum or stainless steel. Railtrac B42V is designed for horizontal and vertical up/down when applicable.

The system can be easily connected to most ESAB wire feeders with no major modification. Remote adapters have to be mounted in feeders Aristo® Feed 3004/4804 and Warrior™ Feed 304. Railtrac B42V features different torch holders for torches and applications.

- 42V AC powered from power source or battery driven with standard Makita® 18 V system.
- Possible to program a specific welding length with auto return to start position.
- Stepper motors both for drive and weaving function with extremely high precision. Wide speed range available in a single unit.
- Remote is programmable for weave patterns and travel speed and is capable of controlling voltage and wire feed speed in up to 5 standard programs.
- Unit can be programmed and run directly from the controls on the Railtrac machine if the remote control is lost, damaged or not preferred.

Visit esab.com for more information.

Industry

- Ship and Offshore Yards
- Ship/Barge Building
- Pipeline
- Repair and Maintenance
- Heavy Fabrication
- Structural Steel Fabrication
- Tank and Vessel Fabrication
- Windtower

Cable Key Diagram

	Origo Feed 304, 484 (M12)	Origo Feed 304, 484 (M13)	Aristo Feed 3004/4804 (All Panels)	Warrior Feed 304	Universal Feeder
Control cable 0457360880	•	•	•	•	•
Connection cable 045736086		•			
Battery 0457468074					(•)
Remote Adapter Kit 0465451881				•	•
Remote Adapter Kit RA 23 CAN 0459681880			•		
Transformer 230 VAC 0457467880					(•)
Transformer 115 VAC 0457467882					(•)

Railtrac B42V

Specifications	
Supply Voltage	24 –70 VDC, 20 –50 VAC, 18 V Battery (optional)
Battery Running Time	3 – 4 h (5Ah)
Battery Power Consumption Max.	50 W
Bending Diameter Rail Min.	Ø 1600 mm (63 in.)
Height Adjustment Slide	+/-45 mm (1.8 in.)
Max Speed	30 mm/s (1.2 in./s) [25 mm/s (1.0 in./s) with battery]
Max Load	10 kg (22 lbs.) [5 kg (11 lbs.) with battery]
Max Temperature Magnet / Vacuum	70/90 °C (158/194 °F)
Enclosure Class	IP44
Approvals	CE
Safety Class	DIN40050
Dimensions	210 x 360 x 270 mm (8.6 x 14.2 x 10.6 in.)
Weight	8 kg (17.4 lbs.)

Ordering Information	
Description	Part Number
Railtrac B42V Package	0398146016

Railtrac comes delivered with a Universal Torch Holder Ø 10-22 mm (0.4-0.9 in.) and adjusters as standard.

Options & Accessories	
Description	Part Number
Battery 18V, 5Ah Li-ion, Makita**	0457468074
Battery Charger 230 VAC Makita**	0457468072
Control Cable Miggytrac/Railtrac 5 m (16.4 ft.)	0457360880
Remote Adapter Kit Miggytrac/Railtrac	0465451881
Connection Cable Universal(only w. 12-pin)	0457360886
Remote Adapter Kit RA 23 CAN Miggytrac/Railtrac	0459681880
Quick-extension bracket for flexible rail	0398146120
Transformer kit 230 VAC	0457467880
Transformer kit 115 VAC	0457467882
Floating Head for Torch	0398145211
Turning Bracket B42V	0398145203
Tilt Bracket Railtrac B42V	0398145202
Torch Holder Universal Ø15-30 mm (0.6-1.2 in.)	0398145106
Torch Holder for PSF	0398145101
Flexible AluRail, 2.5 m (8 ft.)	0398146115
Flexible AluRail, 5 m (16 ft.)	0398146119
Flexible AluRail, 2.5 m (8 ft.), 8 magnets	0398146112
Flexible AluRail, 2.5 m (8 ft.), 4 vacuum attachments	0398146113

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Options & Accessories	
Description	Part Number
Stiffener Bar, 2.5 m (8 ft.)	0398146116
Flip Magnetic Attachment	0398146100
Vacuum Attachment, 90°	0398146104
Vacuum Attachment, 200°	0398146105
Screw Attachment for stiffened rail	0398146114

*Makita® Battery 5Ah Li-ion DC18RC (196673-6) and Battery Changer BL1850 (195585-0) can be bought locally in hardware store.



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