



Assembly Instructions 222R or 224R PowerTrak Carriage Systems



WARNING

This movable carriage may present a drop hazard when operated in elevated locations. It is recommended that a metal stop be installed at each end of the support tray or rails to prevent the carriage from rolling beyond the ends of the support should a wire rope or chain fail.

Follow all dimensions on 222R or 224R Powertrak assembly print carefully.

Numbers in parentheses () correspond with chart shown on 222R or 224R Powertrak Carriage System assembly print.

1. Bolt or weld rail channels to the floor or support. Maintain the distance between rails as shown on the print. If rails are elevated, provide a trough which is flush with the bottom of the rails. This trough would be required for only first half of the rail length.
2. Place the Powertrak (1) on the floor or trough between the rails.
3. Bolt down stationary mounting bracket.
4. String cables or hoses through carriers (4).
5. Place support roller (7) on rails and roll along the rails. Repeat this operation until all support rollers (7) are on the rails.
6. Place guide roller (6) on rails and assemble its angle connector to the adjacent support roller (7) assembly.
7. Assemble angle connectors (9) between each set of support roller (7) assemblies.
8. Assemble intermediate roller (8) assemblies to angle connectors (9).
9. Roll completed assembly along rails to make sure of satisfactory operation.
10. Return carriage assembly over the Powertrak (1).
11. Loop the moving end of Powertrak (1) 180 degrees and bring up over the guide roller (6).
12. Attach moving bracket to the movable carrying arm furnished by customer.
13. Clamp one end of each wire rope (12) and insert thimble (14).
14. Slip each wire rope (12) end over hook or the turnbuckle (15) at the stationary mounting bracket. Make sure turnbuckle (15) is in open position so adjustment can be made. Adjust to provide tension to the wire rope assemblies.

15. Take each wire rope (12) length and loop 180 degrees over end support roller and place it on top of all other support rollers (7).
16. Attach thimble (14) and clamp (13) on end of wire rope (12) and hook on turnbuckle (15).
17. Tighten turnbuckles (15) so that wire rope (12) is under tension.
18. Attach cables or hoses to terminals or connectors.
19. Powertrak (1) is ready for operation.
20. Check tension on wire ropes (12) periodically.



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