

Thern

Product Application

Bulk Handling

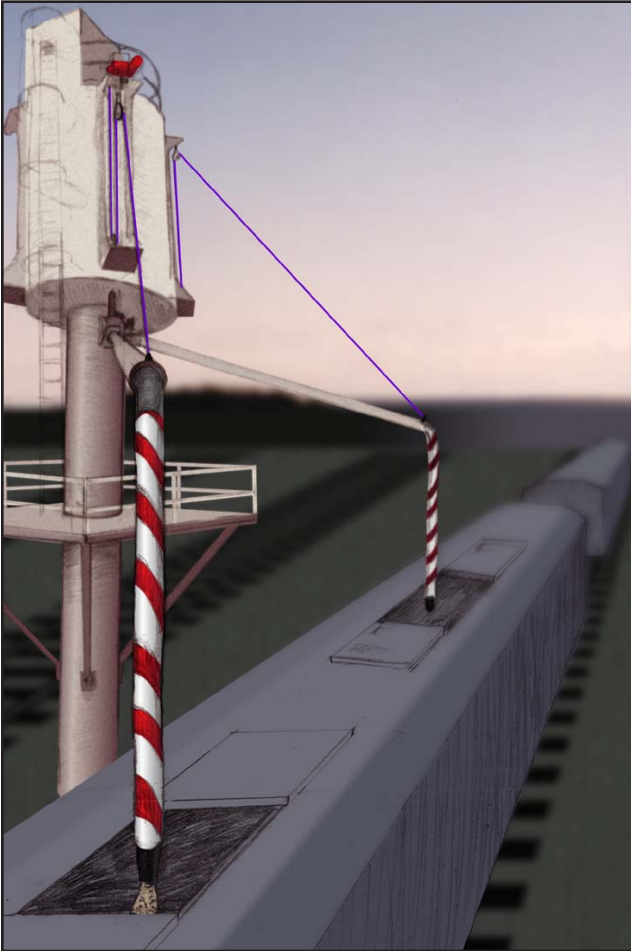


Lowering Load-Out Chutes on Sand Towers



Thern 4WS Series winches are used to operate drop pipes on Burlington Northern sand towers. Sand is gravity fed through the drop pipe to fill sand cars, which use the sand to create friction on the tracks in icy or cold conditions. Each tower is equipped with four drop pipes, and each pipe is operated by a single winch. The winches are installed in an out of the way location and controlled from the ground.





Winches are base mounted to a special bracket located above the chute on the sand tower.

APPLICATION DETAILS

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|----------------------------|--|
| Lifting or pulling: | Lifting |
| Line pull required: | 1300 lb |
| Line speed required: | 10 fpm |
| Travel distance of load: | 10 ft, rotary limit switch to limit travel |
| Power source: | 115/1/60 |
| Installation requirements: | Base mounted |
| Environment: | Outdoor |
| Frequency of operation: | Intermittent |

