



Line Shaft Hoist

INTRODUCTION

Line shaft motorized hoists are ideal for areas with limited space. They work by using dedicated drums for each lift line and a single, solid shaft powered by a central motor connects all the drums. Because each lift line has its own drum, fleet angle problems are greatly reduced and cable life is extended.

Line shaft hoists have four position limit switches and available variable and fixed speeds. They do not require the use of counterweights, loft blocks, head blocks, and floor or wall space. They are specifically designed to handle vertical loads only and line shaft hoists eliminate compression and resultant loads.

MAINTENANCE/INSPECTION

Due to the design of the line shaft motor and the high quality of the gear motors installed, the system is very low maintenance. However, normal inspections should be done at regular intervals, and especially before heavy use.

The following should be done as often as necessary, but not less than once a year:

- Check for leaks or signs of oily residue on motors.
- Check motor mounting bolts.
- Check bearing bolts.
- Carefully run system from up limit to down limit to verify correct limit switch operation.
- Check cable retainers for signs of movement or looseness.

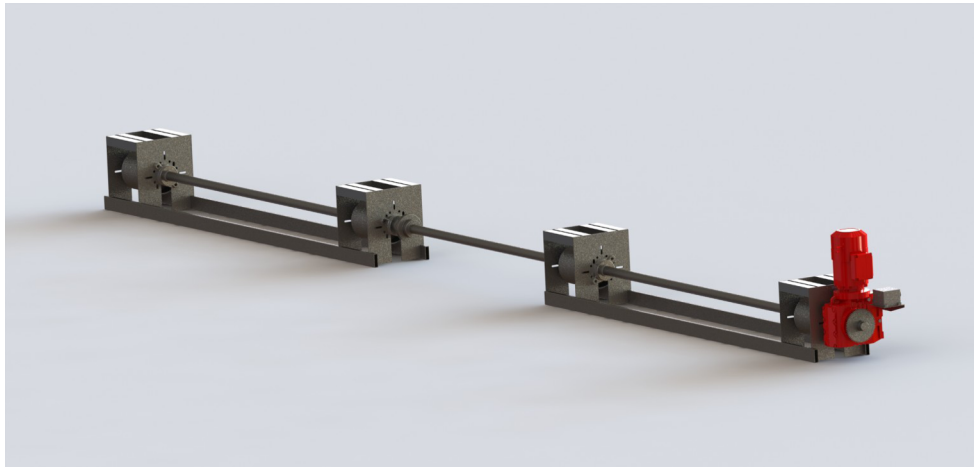
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DEPENDABLE

- A single, solid shaft connects the motor gear box/ brake to grooved drums to ensure reliable stops and secure holds for long periods.
- Cable life is extended by single-wrapping of the grooved-drum design.
- Redundant limit switches.

APPLICATIONS

- For use in all venues providing safe and convenient set and scenery movement.
- Texas Scenic Company's line shaft hoists do not require wall or floor space and do not use head blocks or loft blocks, so they are ideal for use in smaller spaces.



SPECIFICATIONS

Speed	15 to 60 fpm fixed speed, 0 to 180 fpm variable, custom speeds available
Hoist Capacity	Any configuration, completely customizable
Lift Lines	Any configuration, completely customizable
Height	Any configuration, completely customizable
Power Requirements	3 Phase, 208 volt or 480 volt power requirements

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FEATURES

- Connections between drive shafts are by solid rigid flex couplers for secure holds with less moving parts compared to universal joints.
- A range of speeds and lifting capabilities are available, with fixed or variable speed operation.
- Secondary over-speed brakes or dual motor backups are optional.

CONTROL SYSTEMS

- Manual pushbutton back up provided on all systems.
- Texas Scenic Company's Deck Boss® Control System console. (optional)
- Other control options available.

