



2 INSTALLATION



Before installing, removing, inspection, or performing any maintenance on a hoist, the main switch shall be de-energized. Lock and tag the main switch in the de-energized position in accordance with ANSI Z244.1. Follow other maintenance procedures outlined in this manual and ASME B30.16.

2.1 General

Prior to installation, the unit shall be checked thoroughly for damage during shipment or handling at the job site.

Each complete electric chain hoist is load tested at the factory at 125% of the nameplate-rated capacity.

All hoists are designed for the type of mounting specified by the purchaser. The adequacy of the supporting members (monorail beams, cranes, hangers, supports, framing, etc.) is the responsibility of user / owner and shall be determined or verified by qualified personnel.

Read the instructions contained in this manual and the *STAGEMAKER*® Concert Electric Chain Hoist Operator's Manual as well as any other related manuals. Observe the warning tags attached to the unit before the installation is started.

2.2 Lubrication

The hoist gear case comes completely pre-lubricated with grease. The load chain requires lubrication prior to first use. Chain lubricant is included with shipment of each new chain hoist.

2.3 Mounting

Below are the basic mounting positions for *STAGEMAKER*® Concert Hoists:

1. Inverted (usually associated with a temporary installation)
2. Normal (usually associated with a permanent installation)



INVERTED



NORMAL



DO NOT USE HOIST TO LIFT PEOPLE OR SUSPEND LOADS OVER PEOPLE.

DO NOT LEAVE A FREELY SUSPENDED LOAD ON HOIST UNATTENDED.

A SUSPENDED LOAD MUST ALWAYS BE TIED OFF USING APPROPRIATE CHAINS, CABLES OR OTHER REDUNDANT LOAD BEARING MEANS BEFORE ACCESS TO THE AREA BENEATH THE LOAD IS PERMITTED ⁽¹⁾.

FAILURE TO DO SO COULD RESULT IN PROPERTY DAMAGE, DEATH OR SERIOUS INJURY TO PERSONNEL.

⁽¹⁾ If the load cannot be tied off due to the nature of the application, redundancies and/or advanced safety features, including but not limited to multiple/redundant hoists, dual brakes on the hoist, a minimum ten to one safety factor on load bearing components, load monitoring devices etc. used either individually or as circumstances dictate, in conjunction with one another, must be incorporated into the design of the system.



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SM5 Manual

June 2006

2.4 Load Hook Throat Opening



ANSI B30.16-1998 recommends that the throat opening of a load hook be measured and recorded prior to putting a hoist into service and that a gage be made to provide a quick visual inspection for a bent hook as required during routine inspections. See Section 6.9 for more detailed hook information.



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