



Wallace Crane Safety

Safe Use and Operation Instructions & Inspection Checklist

Read, Understand, and Comply with all instructions supplied with this crane. Also, pay attention to the equipment used with this crane such as hoists, trolleys, power drives (if applicable), etc. Read, Understand, and Comply with the requirements of OSHA (Occupational Safety, and Health Administration) 1910.179

To ensure the safe operation of your Gantry, frequently inspect it for BENT, BROKEN, CORRODED, CRACKED, DAMAGED, or MISSING parts. DO NOT USE GANTRY if it does not meet inspection requirements. Please contact Wallace for replacements for any non-functional components.

DO NOT:

- Overload Gantry
- Lift loads greater than the rated capacity.
- Make any adjustments when the Gantry is under load. If necessary to adjust the Gantry, first lower and disconnect the load.
- Lift or support humans.
- Allow the load to swing or roll against any supporting members.
- Tow or Pull Gantry.

DO:

- Make certain the load is not attached to the floor.
- Remove any obstacles that may impede lifting.
- Make adjustments and/or repairs in an area where these operations will have the least impact on the normal operating environment.
- Secure the trolley and hoist to prevent movement during adjustment of the Gantry.
- Position the load at the center of the I-Beam when moving the Gantry under load.
- Use the Gantry at the lowest height possible.

Disclaimer

Please note these instructions were derived from company proprietary materials and (3) source documents including **ANSI B30.17**, **CMAA Specification #74, Revised 1987**, and **OSHA 1910.179**. As excerpts, the short form Wallace documents are intended to serve as general guidelines and are not to be considered the sole source when performing routine maintenance and inspection tasks.

Inspection Checklist on Other Side



Inspection Checklists

Excerpted from ANSI B30.17 –1980

Chapter 17-2 Inspection, Testing, and Maintenance.

Frequent Inspection

- a. Normal service, monthly.
- b. Heavy service, weekly to monthly.
- c. Severe service, daily to weekly.

Periodic Inspection

- a. Normal service, yearly – done in place.
- b. Heavy service, yearly – done in place unless disassembly is indicated (*if you completely disassemble, you must retest*) emphasis WCC.
- c. Severe Service, quarterly – done in place.
- d. Recommended interval as suggested by manufacturer.

Frequent Inspection Checklist

Any deficiencies as listed below shall be examined to determine if they constitute a hazard.

- All functional operating mechanisms for mis-adjustment interfering with proper operations.
- All limit switches should be checked without a load on the hook.
- Lines, tanks, valves, pumps and other parts of the pneumatic system for leakage.
- Hoists as specified in ANSI B30.16-1973

Periodic Inspection Checklist

The crane should be examined to determine if any of the following defects exists. DO NOT USE if any damage is found.

- Deformed, cracked, or corroded structural members
- Loose bolts or rivets.
- Cracked or worn sheaves and drums.
- Worn, cracked or distorted parts, such as pins, bearings, wheels, shafts, gears, rollers, locking and clamping devices, bumpers, switch baffles, interlock bolts, and trolley stops.
- Excessive wear on brake system parts.
- Excessive wear of chain drive sprockets and excessive chain stretch.

