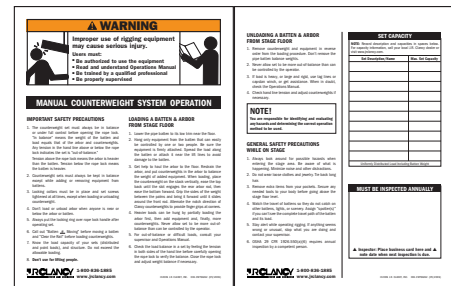


# Manual Counterweight Safety Sign without Loading Bridge

Use this pdf to create your own safety sign!

To enhance the readability and durability of your sign, we recommend the following:

- 1) Print pdf file at 100% to a color printer
- 2) Tape the two pages together as shown
- 3) Record your set capacities in the provided spaces
- 4) If possible, laminate or frame your sign
- 5) Hang the finished safety sign at eye level in a prominent location



**Thank you for using our signs!**

# ⚠ WARNING



**Improper use of rigging equipment may cause serious injury.**

**Users must:**

- **Be authorized to use the equipment**
- **Read and understand Operations Manual**
- **Be trained by a qualified professional**
- **Be properly supervised**



## MANUAL COUNTERWEIGHT SYSTEM OPERATION

### IMPORTANT SAFETY PRECAUTIONS

1. The counterweight set must always be in balance or under full control before opening the rope lock. “In balance” means the weight of the batten and load equals that of the arbor and counterweights. Any tension in the hand line above or below the rope lock indicates the set is “out-of-balance.”

Tension above the rope lock means the arbor is heavier than the batten. Tension below the rope lock means the batten is heavier.

2. Counterweight sets must always be kept in balance except while adding or removing equipment from battens.
3. Locking collars must be in place and set screws tightened at all times, except when loading or unloading counterweight.
4. Don't load or unload arbor when anyone is near or below the arbor or batten.
5. Always put the locking ring over rope lock handle after operating set.
6. Call out “Batten # Moving” before moving a batten and “Clear the Rail” before loading counterweights.
7. Know the load capacity of your sets (distributed and point loads), and structure. Do not exceed the allowable loading.
8. **Don't use for lifting people.**

### LOADING A BATTEN & ARBOR FROM STAGE FLOOR

1. Lower the pipe batten to its low trim near the floor.
2. Hang only equipment from the batten that can easily be controlled by one or two people. Be sure the equipment is firmly attached. Spread the load along the batten or attach it near the lift lines to avoid damage to the batten.
3. Get help to haul the arbor to the floor. Restrain the arbor, and put counterweights in the arbor to balance the weight of added equipment. When loading, place the counterweight on the stack vertically, ease the top back until the slot engages the rear arbor rod, then ease the bottom forward. Grip the sides of the weight between the palms and bring it forward until it slides around the front rod. Alternate the notch direction of Clancy counterweights to provide finger grips at corners.
4. Heavier loads can be hung by partially loading the arbor first, then add equipment and, finally, more counterweights. Never allow set to be more out-of-balance than can be controlled by the operator.
5. For out-of-balance or difficult loads, consult your supervisor and Operations Manual.
6. Check the load balance in a set by feeling the tension in both sides of the hand line before carefully opening the rope lock to verify the balance. Close the rope lock and adjust weight balance if necessary.

## UNLOADING A BATTEN & ARBOR FROM STAGE FLOOR

1. Remove counterweight and equipment in reverse order from the loading procedure. Don't remove the pipe batten balance weights.
2. Never allow set to be more out-of-balance than can be controlled by the operator.
3. If load is heavy, or large and rigid, use tag lines or capstan winch, or get assistance. When in doubt, check the Operations Manual.
4. Check hand line tension and adjust counterweights if necessary.

### NOTE!

You are responsible for identifying and evaluating any hazards and determining the correct operation method to be used.

## GENERAL SAFETY PRECAUTIONS WHILE ON STAGE

1. Always look around for possible hazards when entering the stage area. Be aware of what is happening. Minimize noise and other distractions.
2. Do not wear loose clothes and jewelry. Tie back long hair.
3. Remove extra items from your pockets. Secure any needed tools to your body before going above the stage floor level.
4. Watch the travel of battens so they do not catch on other battens, lights, or scenery. Assign "spotter(s)" if you can't see the complete travel path of the batten and its load.
5. Stay alert while operating rigging. If anything seems wrong or unusual, stop what you are doing and contact your supervisor.
6. OSHA 29 CFR 1926.550(a)(6) requires annual inspection by a competent person.

## SET CAPACITY

**NOTE:** Record description and capacities in spaces below. For capacity information, call your local J.R. Clancy dealer or visit [www.jrclancy.com](http://www.jrclancy.com).

Set Description/Name	Max. Set Capacity
Uniformly Distributed Load Including Batten Weight	

## MUST BE INSPECTED ANNUALLY

**▲ Inspector: Place business card here and ▲  
 note date when next inspection is due.**