



# SureLock™

J. R. Clancy's SureLock™ provides a new level of safety for schools and community theatres. Out of balance counterweight rigging sets can run away from an operator. The SureLock offers protection from runaways as it will not allow the operator to open the lock if a set is more than 50 lbs. out of balance.

An indicator on the front of the lock shows if the set is in balance or not. If not, it shows whether the batten or arbor is too heavy so that the user can make the appropriate correction.

In order to provide the greatest flexibility, SureLock works with Multiline II hand line from 5/8" to 1" diameter. It can be used in both new and existing counterweight rigging systems.

Use of the SureLock is a key part of a backstage safety program.

*Patent Pending*

## SureLock Features:

- Will not open if the set is more than 50 lbs. out of balance, preventing rigging "runaways"
- Indicates if the set is balanced, batten heavy or arbor heavy
- Can be padlocked – using padlocks that match your existing key system
- Can be used with Multiline II ropes from 5/8" to 1" diameter
- May be used on 6" centers
- The SureLock can be used in new projects or as an upgrade to existing rigging systems

For more information visit  
[www.surelock.info](http://www.surelock.info)



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## SureLock™ Specification

### A. Rope Lock:

1. In order to reduce the possibility of accidents caused by out of balance sets, the rope lock shall not open if there is an out of balance condition exceeding 50 lbs. in either direction. A visual indicator shall be provided on the front of the unit showing if the set is balanced, batten heavy, or arbor heavy.
2. The rope lock shall consist of an ASTM A536 ductile iron housing, cams, and handle. There shall be a rubber bumper in the housing to silence the handle when it is opened. The body of the rope lock shall accommodate a padlock, securing the handle in the closed position.
3. Adjustment for rope shall be from 5/8" to 1" by means of a 1/2" nylon tipped, socket head adjustment screw with lock nut at the rear of the housing.
4. The handle shall be 9" long with a nylon powder or vinyl dip coating. The handle shall be installed so that it passes two degrees past vertical to lock the hand line.
5. A coated, oval, welded steel ring shall be provided as a safety lock.
6. The rope lock shall mount to the locking rail with four 3/8" hex bolts and lock nuts.
7. The rope lock shall be J.R. Clancy SureLock No. 010-600R.

## Essential Rigging Safety

There are basic safety precautions that need to be followed with any piece of moving equipment. The use of load sensing rope locks is one component of a comprehensive backstage safety program. Other essential components are:

### Training

Operators of moving equipment of any type must be trained to understand the equipment and the proper methods of operation. Many facilities have formal training programs which must be completed before users are authorized to use equipment. Only trained and authorized personnel should be allowed to use rigging equipment.

### Loading Gallery

Loads are added to or removed from the batten when it is at floor level. When the batten is at floor level, the counterweight arbor is at its highest level. To balance the load on the batten, weight is added to or removed from the counterweight arbor. In order to do this, there must be a loading gallery.

**Without a loading gallery it is difficult to safely balance rigging sets. The use of a SureLock will not solve this problem.** A loading gallery is a necessity for any counterweight rigging system.

### Additional Information

Operation manuals and additional rigging safety information are available at [www.jrclancy.com](http://www.jrclancy.com). Other sources of rigging safety and operation information are: *Stage Rigging Handbook* by Jay Glerum, and *Stagecraft 1 – A Complete Guide to Backstage Work* by William H. Lord.



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