

# Aut-O-Loc™ 3 Installation Instructions

## List of contents in the box:

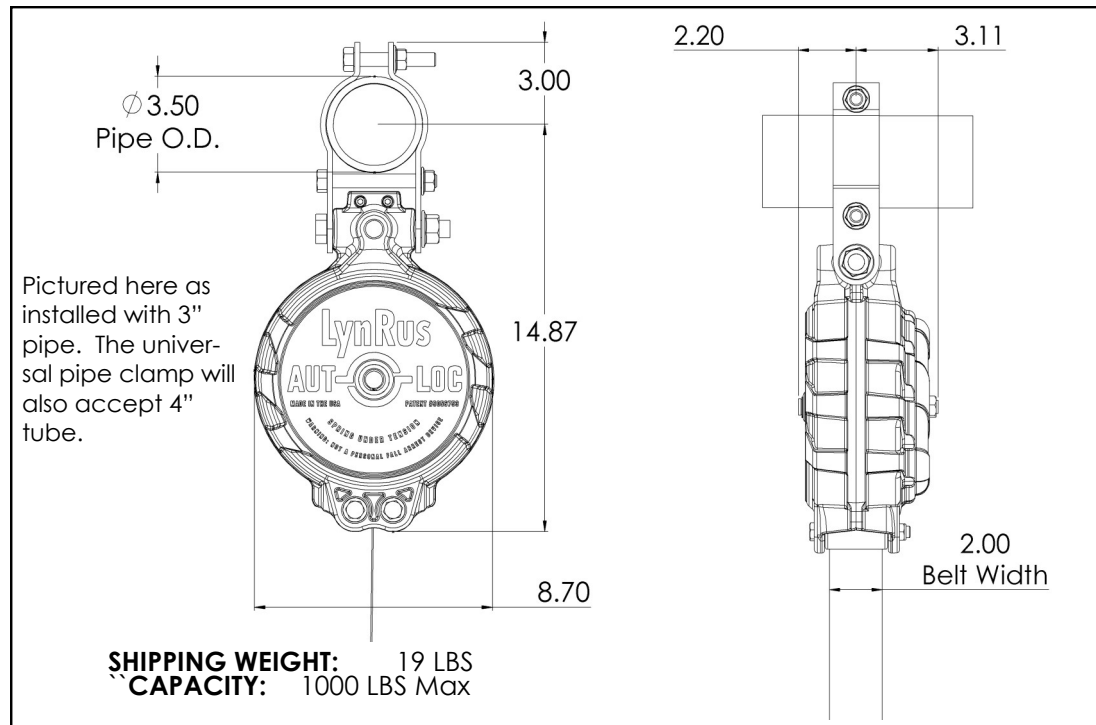
Description	Quantity
Aut-O-Loc™ 3	1 each
Instruction Set	1 each
<u>Hardware packet containing:</u>	
Nut, Hex, 3/8" Flange Lock	1 each
Nut, Hex, 1/2" Flange Lock	2 each
Nut, Hex 5/8" Flange Lock	1 each
Bolt, 3/8" x 3"	1 each
Bolt, 1/2" x 3"	1 each
Bolt, 1/2" x 4"	1 each
Bolt, 5/8" x 4.25"	1 each
Clamp, Belt, Buckle	1 each
Clamp, Pipe (for belt buckle)	1 each

## Following is a list of necessary tools:

- 3/4 inch six or twelve point socket
- 3/4 inch combination open/box end wrench
- 9/16 inch socket & wrench (open or adjustable)
- 15/16 inch socket & wrench (open or adjustable)
- 5-100 ft lb torque wrench

## General Warnings

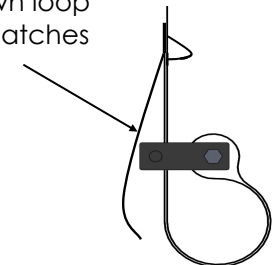
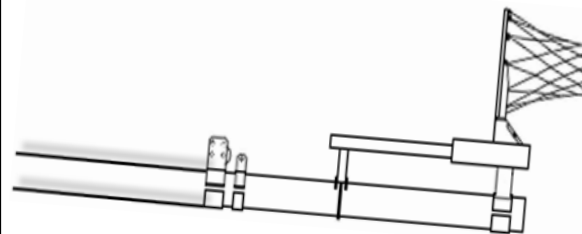
- Read all instructions prior to installation and use.
- This unit is not a person fall protection device.
- **This unit must be replaced after catching a falling load.**
- Ensure all people are clear of backstop when operating hoisting equipment. ( Use only supplied hardware, do not substitute)
- This unit is intended for indoor use only
- Use appropriate lock-out and tag-out procedure for backstop hoist when installing Autoloc.
- During installation, use a tether on the Autoloc that will prevent the Autoloc from falling.
- Ensure that people are well clear of work area, and that no-one is underneath work platform. When installing unit ensure that work platform is stable and clear of moving equipment during hoist operation. Work platform (i.e. man lifts) may tip when extended to great heights. Make sure the work platform is clear of the backstop when testing the movement of the backstop and Autoloc.
- Belt must move freely through the range of backstop motion. Belt must not rub against anything as backstop moves; abrasion may cause Belt failure.
- Keep loose clothing, long hair and jewelry clear of equipment while installing Autoloc.



1. The basketball backstop must be in its deployed (down) position for installation of the Autoloc.
2. Locate the Autoloc just above and as close to the pick up point (where the lifting cable attaches) on the backstop mast as possible. The warning tear tab should be just below the white roller guides at the bottom when the backstop is in the fully raised position and facing outward so it can be seen easily if deployed.

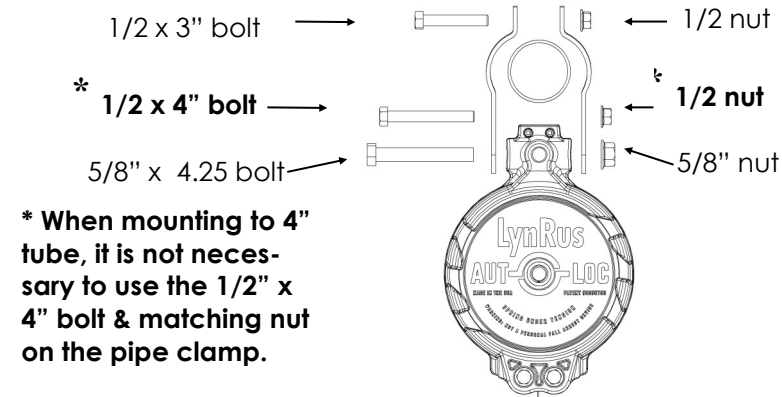
Unit should be oriented so the warning tear tab is visible from the front of the basket.

Warning Strip will deploy on side opposite the sewn loop if unit catches a load.

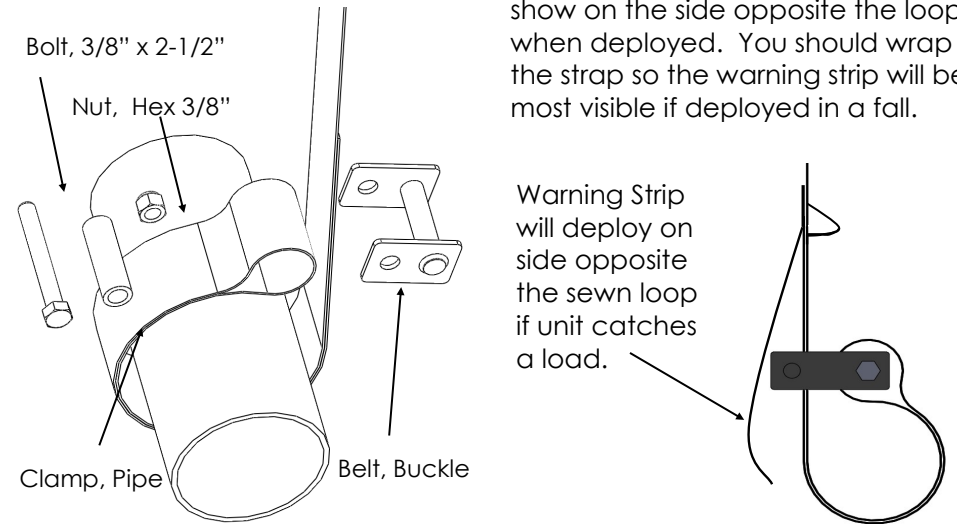


# Aut-O-Loc™ 3 Installation Instructions

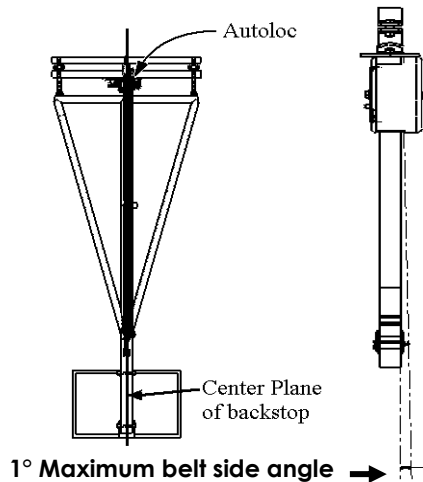
4. Insert 1/2 x 3" bolt in top clamp hole and finger tighten into opposite half clamp using 1/2" nut. Place clamp over mounting pipe. Lift Autoloc unit up to clamp, insert 5/8" x 4.25" bolt through bottom hole in both clamp halves and Autoloc unit and finger tighten using 5/8" nut. If mounting to 3" pipe, Insert 1/2" x 4" bolt in middle clamp hole and finger tighten nut; 4" tube will not require this 1/2" x 4" bolt. Position the Autoloc and hand tighten all bolts so that the Aut-O-Loc will remain in position on the pipe.



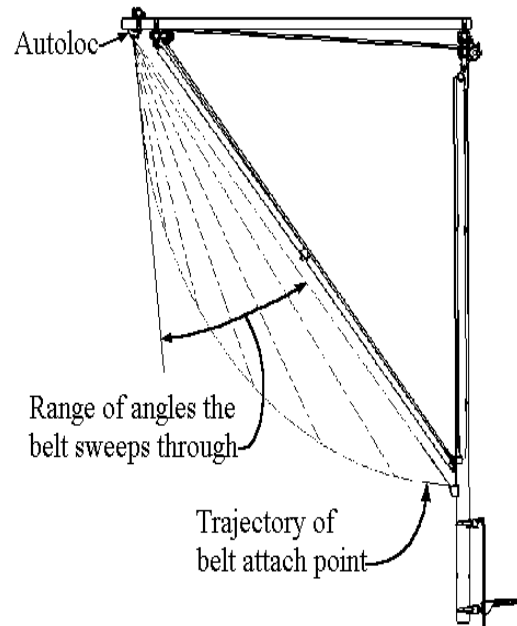
5. Wrap end around mast attach point. Place sewn tail of belt loop on the outside of the loop. Insert bolt through the clamp and clamp tube and tighten 3/8" nut on opposite side. You should see a small loop of black material near the end of the belt that contains the catch warning flag. The flag will show on the side opposite the loop when deployed. You should wrap the strap so the warning strip will be most visible if deployed in a fall.



6. The Autoloc must be mounted in the center plane of backstop motion and the belt should not angle to the side or rub against any surface. Maximum belt side angle should not be greater than 1° at maximum belt payout.



7. The Autoloc Belt should be clear of obstructions throughout its sweep. These angles are installation dependent



8. Tighten all bolts on the pipe mount and belt clamp. When mounting to 4" tube, tighten the 5/8" bolt so the pipe clamp is tight against the surface of the cast housing.

9. The belt should only have a slight bend when the basket is in the down position. **The Autoloc belt should never form a slack loop at any point during the movement of the backboard (see figure B).**

If a loop has formed, make sure the Autoloc is directly in line with the pick up point and is not interfering with a retractor reel or other obstruction

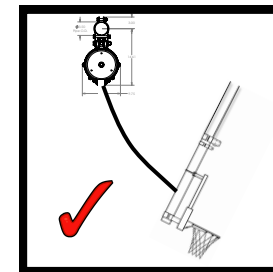


Figure A

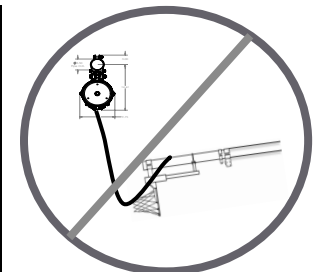


Figure B