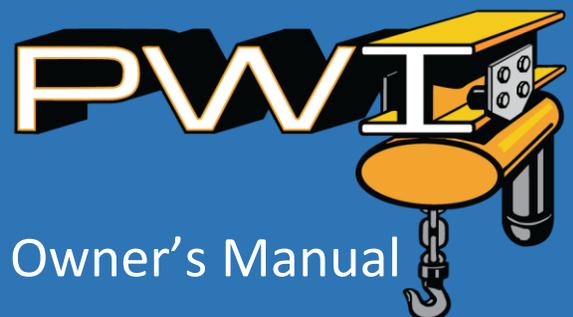


# PWI Load Arrestor System



Owner's Manual

1. GENERAL

The PWI Model #5KLAS Load Arrestor System (*shown without guard*) is a safety device designed to be a secondary brake for a Work Platform. The Load Arrestor is mounted to and travels with the moving work platform sliding over a stationary steel tube that is mounted to the main support structure.

The PWI Load Arrestor System is designed to be used with (or easily adapted to be used with) chain or wire rope hoists of most makes and models (call PWI to confirm if this system is correct for your application.)



2. SAFETY

As with all safety equipment improper use can result in increased risk of injury. Operators should read and understand this manual before operating work platform.

3. OPERATING PRINCIPLE

The PWI Load Arrestor System maintains constant contact with the lifting chain or wire rope and will automatically brake at the sudden loss of tension on the chain/wire rope. The braking mechanism consists of a series of clamping plates that encompass a stationary steel tube. These clamping plates engage the steel tube automatically when the tension of the lifting chain or cable is suddenly lost.

4. INSTALLATION

The PWI Load Arrestor should be installed only by qualified PWI personnel. The Load Arrestor is shipped without tension set on the tension arm (this is achieved using a temporary hex nut that must be removed prior to operation.) This allows the unit to be slid over the stationary tube. The Load Arrestor is then mounted to the work platform and the tension arm is properly adjusted to allow clamping plates to properly engage the stationary tube. The Tension arm is then adjusted for proper position and contact and the lifting chain or wire rope is then installed and tension is placed against tension arm releasing clamping plates.

5. MAINTENANCE

The PWI Load Arrestor system requires very little maintenance. The guard shall remain on the unit at all times unless during installation or annual inspection or repair.

The Stationary tube should not be lubricated but should be visually inspected daily by operator to ensure the tube is clean and free of obstructions and burrs.

In the event that the clamping plates are engaged (due to a sudden loss of tension/hoist failure,) the system should be inspected by a qualified PWI Technician. The Technician can then determine if the clamping plates should be replaced or simply rotated before system is placed into operation again.

It is recommended that the PWI Load Arrestor system be inspected annually by trained and qualified PWI Technician.

6. CAPACITY AND TESTING

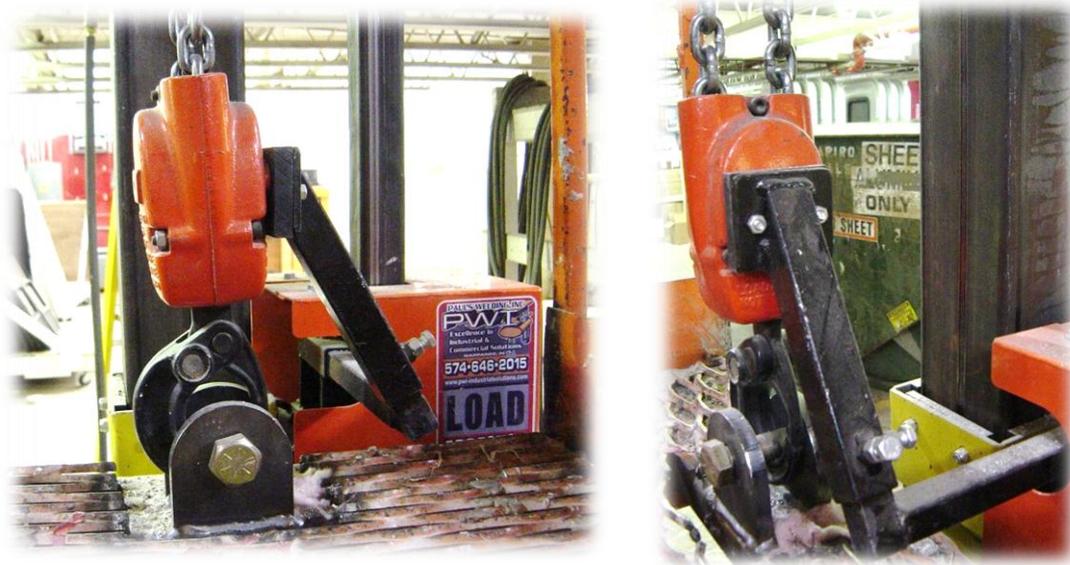
The PWI Model #5KLAS Load Arrestor System has been tested and successfully meets the requirements of OSHA Standard Part 1926 Subpart L (Scaffolds) Section 1926.451(a)(1) without any failure.

The minimum load applied to Model #5KLAS Load Arrestor System shall be 657 lbs.

Per OSHA Standards applied in the testing of this system, the total load capacity of the Model #5KLAS Load Arrestor System shall be not more than 4,700 lbs. of which any live loads shall include a factor of 4.0.

Per the testing results, Work Platforms with a minimum load of 657 lbs., should typically not drop or have vertical movement greater than approximately 1 inch. Loads with a maximum of 4,700 lbs. should typically not drop or have vertical movement greater than approximately 2 inches.

Typical approved tension arm placement for 2 Ton Hoists (with lower block assembly.)



Typical approved tension arm placement and attachment for 1 Ton Hoists (with single load chain.)

