



## Ladder-Type Scaffold – Ladder Jacks Manufacturers Operating Instructions

**WARNING:** Failure to read and follow instructions could lead to serious injury or death!

**Danger:** This product can conduct electricity, do not use near power lines or other electrical equipment. Always maintain a safe working distance from any electrical hazard.

**This product and its use conforms to ANSI A10.8 - Safety Requirements for Scaffolding - Section 17 (Ladder - Type Scaffolds or Platforms). User must read verso page “General Requirements” before proceeding with any setup.** This scaffold unit will be subject to various local regulations which may differ from the information contained herein. The product user bears the responsibility for compliance with such regulations. If there is a conflict between these guidelines and the local regulations, the local regulations shall supersede these guidelines.

### Selection:

- 1) This product is intended to be used as a Ladder-Type scaffold using ladders and ladder jacks in conjunction with appropriately designated planks.
- 2) A minimum of two ladders, two ladder jacks and one plank will be required.
- 3) **Ladders:** Select ladders of proper Grade (Type). Ladders shall be Type 1 (250 lbs rated) or higher rated. Select ladders of proper size to reach working height. Maximum height of the platform shall not be more than 20 feet above the base of the ladder and ladder jacks cannot be placed higher than the second rung from the top of the ladder.
- 4) **Plank:** Select plank of desired duty rating, working length and width. Planks may be one-person or two-person duty rating (fabricated planks only). The length of the plank will be determined by the working area you wish to cover without moving the scaffold unit. Ladder jacks can accommodate plank widths of 12, 18 and 20 inches (20” depending upon ladder jack model). The minimum width for a fabricated scaffold plank shall be 12 inches when used as a Ladder-Type scaffold using ladder jacks.

### Inspection:

- 1) Inspect each ladder upon receipt and before each use. Make sure all rivets, connections and joints, nuts and bolts are tight and secure. Ensure that gravity locks and safety feet are in good working order.
- 2) Inspect each ladder jack upon receipt and before each use. Make sure all rivets, connections and welds, nuts and bolts are tight and secure.
- 3) Inspect each plank upon receipt and before each use. Make sure all rivets, connection, nuts and bolts are tight and secure.
- 4) Never use a damaged, broken or damaged ladder, ladder jack or plank.
- 5) Never make temporary repairs of damaged or missing parts.
- 6) All parts must be in good working order.

### Proper Setup:

- 1) **DANGER! Metal components conduct electricity. Do not use near power lines or other electrical equipment.** Do not let a Ladder-Type scaffold using ladder jacks come in contact with live electrical wires.
- 2) Place two single or extension ladders (of the appropriate size and at the appropriate distance apart), at the proper angle of inclination, on a firm level surface and ensure a secure footing. Do not place on slippery surfaces. The upper and lower ends of the ladders used in ladder jack scaffolds shall be secured during their erection and before use.
- 3) Place a ladder jack on each ladder at the appropriate platform height. Set the adjustable arm of each ladder jack so that the platform will be level. The ladder jacks may be placed on the inside or the outside of the ladder depending upon proximity to the work area. Ladder jacks shall be placed no higher than the second rung from the top of the ladder and the ladder jacks shall never be placed above the upper support point of the ladder.
- 4) Place a platform on the ladder jacks and secure the plank to the ladder jacks using a nylon strap or other similar material.
- 5) Do not place in front of doors that can open toward the scaffold setup.

### Proper Climbing and Use:

- 1) Do not use Ladder-Type scaffold using ladder jacks if you tire easily, are subject to fainting spells, are using medicine or alcohol, or are physically handicapped.
- 2) To protect children, do not leave Ladder-Type scaffold using ladder jacks setup when unattended.
- 3) To access a Ladder-Type scaffold using ladder jacks climb up the outside of the single or extension ladder and step onto the platform, if the ladder jacks are on the inside of the ladder. If the ladder jacks are on the outside of the ladder, then a third ladder must be used to access the platform.



**This product and its use conforms to ANSI A10.8 - Safety Requirements for Scaffolding - Section 17 (Ladder - Type Scaffolds or Platforms).**

**General Requirements:**

**17.2.1** The combined weight of workers, planks, platforms, support equipment and any material on the platforms shall not exceed the sum of the rated capacity on the ladders.

**17.2.2** Ladders shall be Type 1 (250 lbs rated) or Type 1A (300 lbs rated). (See ANSI 14.1, ANSI14.2, ANSI 14.5).

**17.2.3** The maximum height of the working platform for ladder supported scaffolds using ladder jacks shall not be more than 20 feet above the base of the ladder.

**17.2.4** Support ladders shall be erected on a foundation that is adequate to maintain the ladder base in a level position when four times the expected design working load is applied vertically to the ladder system.

**17.2.5** The foundation upon which the support ladder is erected shall be free of loose materials or substances that could allow the ladder to slip laterally.

**17.2.6** The maximum permissible spans for planking shall be in conformance with 5.2, 5.3 and 5.4 and be consistent with the allowable bearer loads.

**17.2.7** Planks and platforms shall be securely fastened to the supporting members to prevent lateral movement and shall overhang the supporting member by a minimum of 12 inches and a maximum of 18”.

**17.2.8** The width of planks or platforms shall comply with specific codes applicable to each jurisdiction.

**17.2.9** Maximum lengths of the planks or platforms in ladder supported scaffolds shall be 28 feet unless specifically designed for the application.

**17.3.1** Ladder jack scaffolds, erected with either wood scaffold plank or fabricated decorator plank. Shall be limited to only one person on the

plank. When ladder jack scaffold is erected with a fabricated scaffold plank, use shall be limited to no more than two persons on the plank, but only one person shall stand on each half of the plank’s span.

**17.3.2** The minimum width of the platform of a ladder jack scaffold shall be 18 inches when wood plank is being used and 12 inches when a fabricated platform is being used.

**17.3.3** Ladder jack brackets shall be designed to meet all load requirements of this standard for the normally intended methods of attachment to the ladder.

**17.3.4** Ladder jacks shall be so designed and constructed so that they bear on the side rails in addition to ladder rungs or, if bearing on rungs only, the bearing area shall include a length of at least 10 inches on each rung.

**17.3.5** Ladder jacks shall be placed no higher than the second rung from the top of the ladder.

**17.3.6** Ladder jacks shall never be placed above the upper support point of the ladder.

**17.3.7** The extension or single ladder shall be erected at a pitch of approximately 75-1/2 degrees from the horizontal. A simple rule for setting up the ladder at the proper angle is to place the base a distance from the wall or upper support equal to one-quarter the effective working length of the ladder. Effective working length is the distance measured along the side rails from the bottom to the support point of the upper portion of the ladder.

**17.3.8** The upper and lower ends of the ladders used in ladder jack scaffolds shall be secured during their erection and before use.

**17.3.9** Each worker on a ladder jack scaffold shall use fall protection.