

Aluminum Pump Jack System

Guardrail System

Manufacturers Operating Instructions

PLEASE READ CAREFULLY:

This product and its use conform with use requirements as per OSHA 1926.451 and 1926.502. Key parts of the regulation are as follows:

1926.451 (g): Fall Protection:

1926.451 (g)(1): Each employee on a scaffold more than 10 feet (3.1 m) above a lower level shall be protected from falling to that lower level.

1926.451 (g)(1)(vii): . . . each employee shall be protected by the use of personal fall arrest systems or guardrail systems meeting the requirements of paragraphs (g)(4) of this section.

1926.451 (g)(4): Guardrail systems installed to meet the requirements of this section shall comply with the following provisions.

1926.451 (g)(4)(i): Guardrail systems shall be installed along all open sides and ends of platforms.

1926.451 (g)(4)(ii): The top height of top-rails or equivalent member on supported scaffolds . . . shall be installed between 38 inches (0.97 m) and 45 inches (1.2 m) above the platform surface. When conditions warrant, the height of the top edge may exceed the 45-inch height, provided the guardrail system meets all other criteria of paragraph (g)(4).

1926.451 (g)(4)(iii): When mid-rails, screens, mesh, intermediate vertical members, solid panels, or equivalent structural members are used, they shall be installed between the top edge of the guardrail system and the scaffold platform.

1926.451 (g)(4)(v): When screens and mesh are used, they shall extend from the top edge of the guardrail system to the scaffold platform and along the entire opening between the supports.

1926.451 (g)(4)(vii): Each top rail or equivalent member of a guardrail system shall be capable of withstanding without failure, a force applied in any downward or horizontal direction at any point along its top edge of at least 100 pounds (445 n) for guardrail systems installed on a single-point adjustable suspension scaffolds or two-point suspension scaffolds and at least 200 pounds (890 n) for guardrail systems installed on all other scaffolds.

1926.451 (g)(4)(viii): When the loads specified in paragraph (g)(4)(vii) of this section are applied in a downward direction, the top edge shall not drop below the height above the platform surface that is prescribed in paragraph (g)(4)(ii).

1926.502(b)(3): Guardrail systems shall be capable of withstanding, without failure, a force of at least 200 pounds (890 N) applied within 2 inches (5.1 cm) of the top edge, in any outward or downward direction, at any point along the top edge.

1926.502(b)(4): When the 200 pounds (890 N) test load specified in paragraph (b)(3) of this section is applied in a downward direction the top edge of the guardrail shall not deflect to a height less than 39 inches (1.0 m) above the walking/working level.



REQUIREMENTS:

To ensure safe operations, this system should include, at a minimum, the following components.

- Two (2) Pump Jacks
- Two (2) Work Benches
- Two (2) Aluminum rubber-back poles
- Two (2) Braces
- Two (2) Mud pads
- Two (2) aluminum planks with minimum width of 12", one used as the work platform and the other as the work bench / top-guard rail.
- Two (2) End rail systems
- One (1) guardrail netting (1.44m x 7.94m)

INSPECTION:

- 1) Inspect product upon receipt and before each use.
- 2) Ensure that there are no rips or tears in the mesh.
- 3) Ensure that all straps and associated buckles are intact and capable of functioning without failure.

SETUP:

- 1) Ensure that the work platform is located no more than 12" from the wall.
- 2) To protect each open end of the work platform, install the adjustable end-rail system. This system, at each end, will include two pockets that must be attached to the work platform, two uprights that must be secured to the pockets and a top rail, mid-rail and toe-board which attach to the uprights.
- 3) Install the netting along the back side of the work platform. The netting is provided with straps along the top and bottom. Wrap each strap along the top of the netting to the rungs on the underside of the work bench and secure. Make sure that each strap is pulled tight and there are no gaps. Follow the same procedure with the bottom section of the netting, attaching the straps to the rungs on the underside of the work platform. Make sure that each strap is pulled tight and there are no gaps. to be attached to the rungs of the work bench and the work platform.