



Lusail Real Estate Development Company

Health, Safety, Security, Environment, Logistics & Quality Department

Lusail Construction Safety Procedural Forms/Checklists – Rigging Specifications

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Rigging Specifications

- ◆ Use ropes, slings and chains in accordance with the safe usage recommendations of the equipment manufacturer and requirements of the applicable OSHA standards.
- ◆ Determine the safe working load (SWL) of ropes, slings, and rigging hardware before use. Observe the safe working load; do not exceed it. For items of rigging used in combination, the safe working load is that of the weakest item.
- ◆ Inspect ropes, slings, and rigging hardware before each use to ensure that they are in good repair and safe to use. Remove defective equipment from service immediately.
- ◆ Ensure that all rigging equipment is of sufficient strength, of the proper type, and safe for its intended use.
- ◆ Do not load rigging equipment beyond its rated capacity.
- ◆ Before each use, inspect all sling, fastenings, and attachments for damage or defects. Immediately remove damaged or defective equipment from service. Document monthly inspections of all rigging equipment.
- ◆ Do not use makeshift lifting devices formed from bolts, rods or reinforcing steel.
- ◆ Do not shorten slings with knots, bolts, or other makeshift devices.
- ◆ If slings are used in a basket hitch, balance the load to prevent slippage.
- ◆ Securely attach slings to the load by the use of hooks with retaining devices or the use of shackles or other positive latching devices.
- ◆ Ensure that slings are padded or protected from the sharp edges of their loads.
- ◆ Do not pull a sling must from under a load when the load is resting on the sling.
- ◆ Ensure that slings are long enough to provide the maximum practical angle between the sling leg and the horizontal plane of the load.
- ◆ Never replace shackle pins must with bolts or other non-approved devices.
- ◆ Use only hooks with approved retaining devices. Never rig hooks so that they are point loaded at the tip of the hook unless they are designed for that purpose. The load must be securely seated in the saddle of the hook.
- ◆ When eye bolts are used, make sure the bolt is not side loaded.
- ◆ Do not load chain falls, come-alongs, and similar devices beyond their rated capacities.
- ◆ Always rig chain falls, come-alongs, and other such devices for a straight pull.

- ◆ Do not wrap the chain or hoist cable for chain falls, come-alongs, or other such devices around a load or use them in place of a sling unless they are specifically designed for that purpose.
- ◆ Ensure that special rigging devices and equipment such as spreader beams, and clamps are designed and proof tested before use to 125% of their rated load and are marked with the safe working load.