



Ohio Administrative Code

Rule 901:9-1-27 Cranes.

Effective: June 10, 2022

(A) All cranes must have a certification of inspection by a testing firm accredited by the U.S. department of labor. This certification must be complete prior to an inspection by the department. This must be done at each location prior to operation and must be re-certified on an annual basis. Re-certification is also required whenever the crane is used for other material lifting purposes.

(B) Cranes used to elevate personnel platforms for bungee jumping shall be equipped with the following:

(1) Boom angle indicators;

(2) Boom extension indicators; and

(3) Drum rotation indicators.

(C) An anti two-blocking device shall be used. If an anti two-blocking device is not available, a system shall be used with a two-block damage prevention feature to deactivate the hoisting action.

(D) Cranes shall be derated to fifty per cent of its capacity e.g., a rated load of three thousand pounds becomes one thousand five hundred pounds.

(E) Cranes shall be level, on firm footing and all outriggers fully extended and blocked during operation.

(F) The load line hoist drum shall be equipped with controlled load lowering. Free fall is prohibited.

(G) Live boom equipment shall not be used.

(H) Load lines shall be capable of supporting, without failure, at least seven times the maximum



intended load, except that where rotation resistant rope is used, the lines shall be capable of supporting without failure, at least ten times the maximum intended load.

(I) Load and boom hoist drum brakes, swing brakes, and locking devices such as pawls or dogs shall be engaged when the occupied personnel platform is in a stationary working position.

(J) A daily log book for operator inspections and repairs will be kept on site.

(K) The main boom shall be fully extended at all times.

(L) All cranes that use a jib with cable supported back stays shall have an offset and a positive stop to prevent the jib from flipping over backwards or detaching from its mount point. Cranes with jibs having three or four mounting pins that can not be offset will not require offsetting.

(M) The lifting and supporting shall be made under controlled conditions and under the direction of an appointed signal person.

(N) Cranes shall be operated by a trained operator in accordance with occupational safety and health administration "OSHA" standards and utilize certified hand signals or direct verbal communications. For more information, please visit: <https://www.osha.gov/>.

(O) Communications between the crane operator, the signal person, and person being lifted shall be maintained at all times during the lift.

(P) The operator shall remain at the controls when the personnel platform is occupied.

(Q) Movement of the personnel platform shall be done in a slow, controlled, continuous manner with no sudden movements of the crane or personnel platform.

(R) Cranes shall not travel while personnel are on a personnel platform.

(S) Personnel shall keep all parts of the body inside the personnel platform during raising and lowering to avoid pinch points. Personnel shall not stand on the top rail, midrail or toe board of the



personnel platform.

(T) Personnel platforms shall not be used when winds are in excess of twenty miles per hour, during electrical storms, or other adverse weather conditions which could affect the safety of personnel.