

## **Cranes & Lifts - Appendix A: Definitions**

**Automatic Crane** – A crane that when activated, goes through a pre-set cycle or cycles.

**Brake** – A device used for retarding or stopping motion by friction or power means.

**Bridge** – Part of a crane consisting of girders, trucks, end ties, foot walks, and drive mechanism which carries the trolley or trolleys.

**Bumper** – An energy absorbing device for reducing impact: when a moving crane or trolley reaches the end of its permitted travel; or when two cranes or trolleys come in contact.

**Clearance** – The distance from any part of the crane to the nearest obstruction.

**Crane** – A machine for lifting, lowering and/or moving a load horizontally with the hoisting mechanism (an integral part of the machine). Cranes whether fixed or mobile are driven manually or by power.

**Emergency Stop Switch** – A manually or automatically operated electric switch to cut off power independent of the regular operating controls.

**Floor-Operated Crane** – A crane, which has pendant or non-conductive rope, controlled by an operator on the floor or an independent platform.

**Gantry Crane** – Similar to an overhead crane except that the bridge for carrying the trolley or trolleys is rigidly supported by two or more legs running on fixed rails or another runway.

**Hoist** – An apparatus which may be part of a crane or lift, exerting a force for lifting or lowering.

**Hoist Chain** - The load bearing chain in a hoist.

**Lift** – A mechanical device for lifting or lowering loads that may be manually or electrically powered. A lift is typically mounted on the floor or is mobile.

**Overhead Crane** – A crane with a movable bridge carrying a movable or fixed hoisting mechanism and traveling on an overhead fixed runway structure.

**Power-Operated Crane** – A crane whose mechanism is driven by electric, air, hydraulic or internal combustion.

**Remote-Operated Crane** – A crane controlled by an operator not in a pulpit or cab attached to the crane, or controlled by any method other than pendant or rope control.

**Rated Load** – The maximum load for which a crane, individual hoist, sling or attachment is designed and built by the manufacturer and is shown on the equipment nameplate.

**Rope** – Refers to wire rope unless otherwise specified.

**Sling** – An assembly which connects the load to the material handling device, which can be made of the following materials:

- a. Alloy steel chains
- b. Wire ropes
- c. Metal mesh
- d. Natural or synthetic fiber rope
- e. Synthetic web (nylon, polyester, polypropylene)

**Wall Crane** – A crane having a jib with or without trolley and supported from a side wall or line of columns of a building. It is a traveling type and operates on a runway attached to the side wall or columns.