

Glossary of Terms

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Brake

a device, other than a motor, used for retarding or stopping motion by friction or power means.

Brake, holding

a friction brake for a hoist that is automatically applied and prevents motion when power to the brake is de-energized.

Capacity

See Load, rated

Chain, hand

the chain grasped by a person to apply force required for the lifting or lowering motion.

Chain, load

The chain that is attached to the load, and goes through the hoist to lift the load.

Headroom

The distance measured from the suspension point of the hoist to the load hook, when it is in its fully raised position.

Hoist

a machinery unit that is used for lifting or lowering a freely suspended (unguided) load.

Limit device

a device that is operated by some part or motion of power driven hoist to limit motion.

Load

the total superimposed weight on the load block or hook.

Load, rated

the maximum load for which a hoist is designated by the manufacturer or a qualified person.

Load block

the assembly of hook or shackle, swivel, bearing, sheaves, sprockets, pins, and frame suspended by the hoisting load chain. This shall include any appurtenances reeved in the hoisting load chain.

Load chain

See chain, load.

Normal operating conditions

Conditions during which a hoist is performing functions within the scope of the original design.

Overload

any load greater than the rated load.

Parts (lines or falls)

Number of lines chain supporting the load block or hook.

Please feel free to contact us with any questions or comments:

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Rated load

See load, rated.

Reeving

a system in which chain travels around sprockets.

Trolley

a machine unit that travels on a monorail track or crane bridge girder.

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