



The following summaries encompass the most critical factors included within the standard cited.

ASME B30.20-1993 Below-the-Hook Lifting Devices

- Markings shall include the manufacturer's name and contact information, the part serial number, the weight of the part, and the rated load of the part.
- Inspections shall be performed according to the service duty.
- General construction criteria.
- Operation shall be performed only by qualified persons.

ANSI E1.2-2000 Entertainment Technology Design, Manufacture and Use of Aluminum Trusses and Towers

- Truss component definitions.
- Required statement of design factor, with a minimum design factor of 1.15:1.
- Product traceable components.
- Dynamic loading must be considered in the design.

OSHA 1910.184 Slings

- Encompasses hoisting slings made from chain, wire rope, synthetic fiber, and synthetic web.
- Chain slings shall maintain identification tags stating size, grade, rated capacity, and reach, and shall be tested at least annually.
- Minimum wire rope sling length shall be 10 times the component rope diameter between splices, sleeves or end fittings.
- Sling minimum rated capacities.
- Basic sling configurations and inspection criteria.

OSHA 1926.251 Rigging Equipment for Material Handling

- Design factors for wire rope slings shall be 5:1 or greater.

- Shackles, hooks and other end terminations shall have a minimum design factor of 5:1.

Uniform Building Code Section 1600

- Dynamic loading effects on structures.
- Seismic requirements state that an object shall be braced in all directions to prevent the object from moving, OR the design shall be approved by a licensed engineer.

UL 1480 Section 31.3, Speakers for Fire Alarm, Emergency, and Commercial and Professional Use

- Attachment points for mounting shall maintain a design factor of 5:1 with the load being applied at the least favorable angle.

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