

StageLightingStore.com



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Safety Alert!

Warnings, Definitions and Cautions Governing the Purchase, Sale and Use of Chains, Wire Rope, Cable and Attachments

All products are sold subject to the following Warnings and Cautions and with the express understanding that the purchaser and user are thoroughly familiar with their proper use. Fehr Bros. Industries, Inc. assumes no responsibility for the use, misuse or misapplication of its products.

Working Load Limit: The Working Load Limit (WLL) is the maximum load which should ever be applied to the product under any condition. The Working Load Limit is based on a load being uniformly applied in a straight line pull.

Breaking Strength: Do **NOT** use Breaking Strength for design or rating purposes. Use Working Load Limit instead. Breaking Strength is an average figure at which samples have been found to break under laboratory conditions, in straight line pulls with constantly increasing loads. These conditions are rarely duplicated in actual use.

Shock Loads: Loads which exceed the static load caused by rapid change of movement, such as jerking, impacting, or swinging of loads. Working Load Limits will not apply. Avoid Shock Loads! Fall Protection Gear should be replaced after being subjected to the shock load of a fall.

Matching Components: All attachments used with chain and wire rope must be of suitable material, type and strength to provide adequate safety protection. Attachments should have Working Load Limits at least equal to the other components with which they are used. Match size and rating of all Hitch Balls and Couplers.

Inspection: No product can operate indefinitely at its rated capacity. Cable, Wire Rope, Chain, Attachments, Fall Protection Gear and Trailer Hardware must all be inspected regularly for visible damage, or distortion, elongation, corrosion, cracks, nicks, or abrasion which may cause failure or reduce the strength or ability of the products to perform safely.

Marking Requirements: U.S. Customs Law requires that the end user of imported products be informed of the country of origin. All imported products sold by Fehr Bros. are marked accordingly. Resellers are responsible to relay country of origin information to the end user.

Chain and Attachments WARNING!:

Use only Grade 80 Alloy Chain for overhead lifting purposes or where failure is likely to cause damage to property or persons. Proof Coil, High Test, and Grade 70 Transport Chains are not to be used for overhead lifting. Eliminate all twists and kinks in chain before using. All dimensions are nominal and all weights are approximate.

Inspection: All chain and attachments should be inspected regularly for distortion, elongation, corrosion, wear, bent links, cracks, or nicks which can cause breakage or seriously reduce the strength and ability to perform safely.

Match Components properly: Attachments should have Working Load Limits at least equal to the chain with which they are used. **AVOID SHOCK LOADS.**

Winches and Trailer Products WARNING!:

Do not exceed the rated capacity of winches or other components. Winches are not to be used for lifting humans or loads overhead. Do not use winches to secure loads to a trailer; use appropriate tie-downs.

The rated winch capacity is based on one layer of line on the drum. As the line builds on the drum the capacity decreases.

Never fully extend the line under load. Keep out of the line of force of any load.

Maintain control of handle under load. Inspect and secure the handle regularly.

Match size and rating of all Trailer Hitch Balls and Couplers.

Wire Rope, Aircraft Cable, and Attachments WARNING!:

Aircraft Cables are not suitable for use in aircraft controls.

Breaking Strengths:

Breaking Strengths apply only to new, unused Wire Rope and Aircraft Cable.

Working Load Limit: It is the responsibility of the ultimate user to determine a Working Load Limit for each application. Many factors should be considered: included among, but not limited to, loads applied, speed of operation, acceleration or deceleration, length of rope or cable, shock loads, abrasion, corrosion, number, size, condition and location of drums and sheaves, facilities for inspection, and the danger to life and property should a rope or cable break.

Wire Ropes and Cables must be stored, used, lubricated and maintained in accordance with normal safety standards; and must be properly designed, maintained, and operated. Inspect regularly. Do not kink, knot or crush.

Inspection: No product can operate indefinitely at its rated capacity. Wire Rope and Cable must be inspected regularly for any deterioration which may result in the loss of original strength. User must determine whether further use of the rope would constitute a safety hazard to life or property.

Lubricate operating ropes regularly. Keep out from under any raised loads and keep out of the line of force of any load. AVOID SHOCK LOADS.
