Warnings, Terms and Definitions for Overhead Spotting Equipment

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. Springboards and More (A Division of DIVE Cincinnati, Inc.) assumes no responsibility for the use, misuse or misapplication of any of the products recommended, sold or manufactured.

Working Load Limit: The Working Load Limit (WLL) is the maximum force that 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: Breaking Strength is arrived at average figure at which random samples have been found to break under laboratory conditions, in straight line pulls with constantly increasing force. These conditions are rarely duplicated in actual use.
Shock Loads: Loads that exceed the static load caused by rapid change of movement, such as jerking, impacting, or swinging of loads. Work Load Limits will not apply.
Matching Components: All attachments used with chain and wire must be of suitable material, type and strength to provide adequate protection. Attachments should have Working Load Limits at least equal to the other components with which they are used.
Inspection: No product can operate indefinitely at its rated capacity. Hardware including: spotting ropes, spotting pulleys, quick links, swivel clips, cable guide wires, ceiling attachment clamps and/or spotting rigs must all be inspected regularly for visible damage, or disfigurement, elongation, corrosion, cracks, nicks, or abrasion or any thing else which may cause failure or reduce the strength or ability of the products to perform safely.
Static Load-The load resulting from a constantly applied force or load.
Working Load Limit-The maximum mass or force, which the product is authorized to support in general service when the pull is applied in-line, unless noted otherwise, with respect to the centerline of the product. This term is used interchangeably with the following terms.

1. WLL
2. Rated Load Value
3. SWL
4. Safe Working Load
5. Resultant Safe Working Load

Working Load-The maximum mass or force, which the product is authorized to support in a particular service.
Proof Load-The average force applied in the performance of a proof test; the average force to which a product may be subjected before deformation occurs.
Proof Test: A test applied to a product solely to determine non-conforming material or manufacturing defects.
Ultimate Load-The average load or force at which the product fails, or no longer supports the load. The ultimate load is sometimes known as the break point.