

Underwriters' Laboratories and OSHA mandate that all hoisting devices used for suspended scaffold applications be designed and manufactured to have a stall load that does not exceed 3 times its rated load.

OSHA 1926.451 (a), (2) states:

*"Direct connections to roofs and floors, and counterweights used to balance adjustable suspension scaffolds, shall be capable of resisting at least 4 times the tipping moment imposed by the scaffold operating at the rated load of the hoist, or 1.5 (minimum) times the tipping moment imposed by the scaffold operating at the stall load of the hoist, whichever is greater."*

Power Climber, like most manufacturers, does not print stall loads in our manuals because platform weights, power supply, the type of stall cutout, and ambient temperature all contribute to the stall point. With varying conditions the stall load can change; printing a matrix of the variable stall loads is not practical.

1926.451 (a), (2) was interpreted by OSHA in a letter on 12/17/96, written by Roy F. Gurnham, Office of Construction Standards and Compliance assistance. Mr. Gurnham stated that, *"in regard to our enforcement policy, we have instructed our field staff as follows: If the stall load (not to exceed 3 times the rated load) is not listed or labeled for the scaffold in use, the compliance officer shall determine whether the qualified person has determined the stall of the scaffold hoist prior to the lift or whether the scaffold is counter-balanced by at least 4 times the rated load of the hoist."*

When OSHA put this into practice with the clause of "OR", you can use the printed stall rating of the hoist multiplied by 1.5 in your calculation "OR" 4 times the rated load of the hoist.

For additional proof that this directive has not significantly affected what the rigging company must do in the field, consult the following:

OSHA Directives CPL 2-1.23 - Inspection Procedures for Enforcing Subpart L, Scaffolds Used in Construction - 29 CFR 1926.450-454 can be found at the following Internet address:  
[http://www.osha-slc.gov/OshDoc/Directive\\_data/CPL\\_2-1\\_23.html](http://www.osha-slc.gov/OshDoc/Directive_data/CPL_2-1_23.html)

***\*This Internet address is case sensitive.***

For questions or comments, contact Customer Service at 1-800-560-CLIMB (2546) or [customerservice@safeworks.com](mailto:customerservice@safeworks.com).