



LOAD SECUREMENT



Course Overview

At the completion of this one-day training course, participants will be able to:

- ▶ Explain how cargo securement principles apply to different commodities
- ▶ Determine what is required to properly load and secure different commodities

including the number, placement and types of cargo securing devices

- ▶ State general requirements for cargo securement
- ▶ Understand the principles for securing heavy vehicle, equipment, and machinery
- ▶ Understand basic principles of physics as they apply to load securement

Classroom Topics

- ▶ The importance of proper securement
- ▶ General cargo securement requirements
- ▶ Guiding principle of public safety
- ▶ How cargo must be contained, immobilized or secured
- ▶ Consequences of improperly secured loads
- ▶ Elements of a securement system
- ▶ Requirements for containing, immobilizing, and securing cargo
- ▶ Working load limits and default working load limits for unmarked tie-downs
- ▶ Identifying working load limits of an unmarked securing device
- ▶ Calculating aggregate working load limits for tie-downs attached to the load
- ▶ How to inspect securement systems
- ▶ Determining if load is secured properly
- ▶ Securement requirements and principles for heavy vehicles, equipment and machinery

Field/Hands-On Activities

- ▶ How to inspect chains
- ▶ Use of securing devices
- ▶ Inspection and verification procedures
- ▶ Vehicle placement on trailer
- ▶ Proper weight and attachment distribution
- ▶ Mid-trip inspections
- ▶ Heights and clearances
- ▶ Cargo, other than vehicle securement

Who Should Attend: Any person who is responsible for tying down or securing any size load on trailers or on a vehicle

Evaluation /Documentation: Theory exam. Each successful participant will be provided with a course certificate and the employer will receive a written operator training summary.

About the Facilitator: Developed and delivered to you by **Ground Force Training Inc.**