



# ATLAS ANCHOR SYSTEMS

British Columbia Alberta Ontario Washington [www.atlas-anchor.com](http://www.atlas-anchor.com)

## Vertical Lifeline Systems

A Vertical Lifeline System is a fall restraint system to facilitate workers travelling or working on a vertical surface.

In a permanent system, a tensioned line which is permanently fastened to an anchorage at the top end and fastened at lower end to allow tension to be applied to the line. A rigid track can also be permanently fastened by a number of brackets along its length to a fixed ladder or structure, allowing a sliding-type fall arrester to be attached and detached at the two extremities of the rail length. The typical components of the system are:



- ANCHORAGE: As a secure point of attachment for lifelines, lanyards, or deceleration devices.
- CONNECTOR: a device which is used to connect parts of a personal fall arrest system or parts of a positioning device system together. It may be an independent component of the system, such as a carabiner, or it may be an integral component of part of the system such as a buckle or D-ring sewn into a body belt or body harness or a snap hook spliced or sewn to a lanyard or self-retracting lanyard.
- LANYARD: is a flexible line of rope, wire rope, or strap which generally has a connector at each end for connecting the body harness to a deceleration device, lifeline, or anchorage.
- LIFELINE (means a component consisting of a vertical flexible line for connection to an anchorage at one or both ends (vertical lifeline), and which serves as a means for connecting other components of a personal fall arrest system to the anchorage.
- ROPE GRAB: a deceleration device which travels on a lifeline and automatically, by friction, engages the lifeline and locks so as to arrest the fall of an employee. A rope grab usually employs the principle of inertial locking, cam/level locking or both.



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