

NEW!

GlideLoc®

Vertical Height Access Ladder System Kits

Frequently Asked Questions

Q1: What are the GlideLoc® Vertical Height Access Ladder System Kits?

A1: GlideLoc Ladder Climbing Safety System Kits are fall protection systems designed to attach to fixed ladders. System kits include GlideLoc rail in the length required for the application, gated top end-stop, gated bottom end-stop, ladder attachment brackets and hardware. A GlideLoc Fall Arrester is selected for the specific application.

A worker wearing a full-body harness with a front D-ring attaches to a GlideLoc fall arrester and is protected while ascending and descending a fixed ladder. In the event of a fall, the fall arrester instantly locks into the rail.

Q2: What advantages do GlideLoc Ladder Climbing Safety System Kits have over competitive systems?

A2: GlideLoc Kits offer many unique features not typically available with other ladder safety systems on the market. Highlights of these features include:

- **Do-it-yourself kits designed for easy installation, inspection and lower cost of ownership** – GlideLoc Kits provide quick, easy installation and inspection. With this system, you are not required to have costly, annual manufacturer inspections that are necessary with many other systems on the market. Since both installation and inspection are now controlled by the user, a lower cost of ownership is realized.
- **“Build Your Own System” components provide additional attachment options and accessories** – Additional system components enable connecting to large ladder rungs or mounting to the side rail of the ladder. *Rigid* end-stops prevent the GlideLoc fall arrester from being removed from the system. An optional foot rest allows for workers to rest during long ladder climbs. A shaft entry device provides a portable option to safely enter an application, such as a manhole.



*Minimum four (4) rung clamps required for each system.

- **Unique design keeps hands free for climbing**
- **Engineered for smooth operation for ascending/descending**
- **Fully-AUTOMATIC design** – GlideLoc Climbing Safety Systems provide climbers uniquely-designed, patented **fall arresters that automatically follow** when ascending or descending a ladder, **keeping both hands free**. The unit travels smoothly along the rail and locks instantly in the event of a fall.
- **Systems provide fall protection for multiple workers** - GlideLoc Systems accommodate up to one (1) worker per section of 10 ft. rail. The maximum number of workers allowed by ANSI A14.3 is four (4) per system. This feature increases productivity and provides fall protection for a rescuer during an emergency situation.
- **Durable construction for extended service life – available in aluminum, galvanized and stainless steel** – GlideLoc Systems offer the widest selection of material types in the industry.

Q3: What advantages do the GlideLoc Fall Arresters have over competitive fall arresters?

A3: GlideLoc Fall Arresters offer many unique features not typically available with other fall arresters on the market. Highlights of these features include:

- **Engineered for smooth operation for ascending/descending** – GlideLoc Fall Arresters travel smoothly along the rail, keeping both hands free for climbing. Most competitive units tend to bind, which requires the user to manipulate the unit to free it for climbing.
- **Easy, one-hand operation for attachment/detachment from the system** – This feature increases safety as well as productivity. Many competitive units require two hands to attach and detach from the system.
- **Integrated shock-absorbing element reduces forces** – Designed with an integral, stainless steel shock-absorbing mechanism, these units reduce fall forces, protecting the user from injury as well as the ladder from damage.
- **Integrated shock-absorbing element doubles as a fall indicator** – Once a fall occurs, the deployed shock-absorber indicates the unit must be taken out of service.
- **Prevents upside-down installation for increased safety** – The design of the GlideLoc system and Fall Arresters *only* allows the unit to be installed on the rail in the correct orientation.



Activation of Integrated shock-absorbing element

Q4: How do I determine which GlideLoc Fall Arrester is best for my application?

- A4:** Select from three (3) different fall arresters:
- The **Comfort** Fall Arrester is the most popular. It works well in applications that require the worker to access the system at only the top and bottom of the ladder. It is constructed of stainless steel and aluminum.
 - The **Universal II** Fall Arrester is designed to be removed anywhere along the rail. It works well for applications that require transition onto a platform that is midway along a ladder. It is constructed of stainless steel.
 - The **Comfort²** Fall Arrester is 100% stainless steel. It is ideal for ladders in pharmaceutical and food industries where stainless steel is required.



Q5: Can I prevent removal of the GlideLoc Fall Arresters from the system?

A5: Yes. To keep a fall arrester permanently mounted on the system, select either the Comfort or Comfort² along with a system that includes *rigid* top and bottom end-stops. *Rigid* top and bottom end-stops need to be ordered separately, since all kits include *gated* top and bottom end-stops as standard components.

Q6: What specifications must a ladder meet to ensure proper connection of a GlideLoc Kit?

A6: For the kits, a ladder must be a fixed ladder with rungs having outer diameters between ¾ inch and 1-¼ inches. The fixed ladder must also be able to sustain specified forces based on the number of workers that will be using the system simultaneously. Loading requirements are available in the GlideLoc Systems Instruction Manual which is posted online at www.millerfallprotection.com.

For ladder rungs with larger diameters, rung clamps with longer hardware are available which will accommodate rungs up to 1-¾ inches in diameter. Also additional rung clamps can be purchased separately and used to spread the load requirements over more ladder rungs. Contact Miller Technical Service at 800/873-5242 for additional information.

Q7: What is the minimum ladder width recommended?

A7: According to ANSI A14.3, the minimum ladder width should be 16 inches from inside rail to inside rail.

Q8: What is the minimum number of rung clamp assemblies required for a system?

A8: A minimum of four (4) rung clamps are required for each system. Each kit includes the required number of rung clamp assemblies.



Rung Clamp Assembly

Q9: What is the maximum spacing between rung clamp assemblies?

A9: The maximum spacing for rung clamp assemblies is seven (7) feet.

Q10: Can the GlideLoc System be mounted to the side rail of a ladder?

A10: Yes, however, side mount clamps must be ordered separately since all Kits include ladder rung clamps as standard components. Required components will include rail sections, side mount clamps (1 required every 7 ft) as well as top and bottom end-stops.



Ladder Side Mount Clamp

Q11: What is the maximum system length?

A11: Of the standard systems available, 300 feet is the maximum length. For information on longer systems, contact Miller Technical Service at 800/873-5242.

Q12: In the event of a fall, can I reuse the GlideLoc System?

A12: In the event of a fall, the section of rail in which the fall occurred, the rung clamps directly above and below the fall and the fall arrester must be removed from service. The ladder, the attachment of the ladder to the structure, remaining rail and rung clamp assemblies must be thoroughly inspected for cracks, deformation or breakage. If these components do not pass inspection, they must be replaced. In addition, all carabiners and harnesses must always be replaced after a fall.

Q13: Do you have systems that attach to structures other than ladders, for example lattice towers and monopoles?

A13: Yes, specialty brackets are available. Contact Miller Engineered Solutions at 800/325-6746.

Q14: Do you have systems that accommodate curves and transition into horizontal rail?

A14: Yes, the GlideLoc System offers a full-range of components to meet the needs of complex applications. Contact Miller Engineered Solutions at 800/325-6746.

Q15: Additional questions and information?

A15: For additional information or questions, contact Miller Technical Service at 800/873-5242.

