



# Miller TechLine™ Kits for Residential Construction

*Kits to Accommodate One or Two Workers*

## Frequently Asked Questions

**Q1: What is a temporary horizontal lifeline system?**

A1: A temporary horizontal lifeline (HLL) system is a fall protection anchorage system designed to attach to a suitable anchor. A worker, wearing a full-body harness and using a connecting device such as a shock-absorbing lanyard, rope and rope grab or self-retracting lifeline, connects to the horizontal lifeline of the system which allows the worker to safely move laterally across the work surface.

**Q2: What is the new Miller Techline™ Residential Horizontal Lifeline System?**

A2: The new Miller TechLine Residential Horizontal Lifeline System is a modular fall protection anchorage system designed for residential roof construction with reusable end anchors that can be screwed into a suitable truss member. Three kits are available which have user equipment for two, one or no users. The TechLine Residential HLL provides workers with continuous fall protection and maximum horizontal mobility on residential roofs. The system is an economical solution for companies that residential roof construction projects.

**Q3: Why is it important to purchase a Miller system vs. fabricating a system on-site?**

A3: The Miller TechLine Residential Horizontal Lifeline System maximizes worker safety. The system has been engineered by experts in the industry, who understand amplification of fall arrest forces in horizontal lifeline systems and their effects on the system. The system has been tested in the most advanced horizontal lifeline testing facility in the world. Systems fabricated on-site do not go through the same design process, rigorous testing or quality control standards.

**Q4: What advantages does the Miller TechLine Residential HLL System have over competitive systems in the market?**

A4: The new Miller TechLine Residential HLL System offers many features:

- Better performance and less deflection with a 60 ft. system and low stretch rope lifeline
- Reusable roof anchors can be installed and removed quickly between jobs
- Miller Titan(TM) non-stretch harness
- Separate lanyard can be replaced as necessary without having to replace the more expensive rope grab and lanyard combo
- Trailing rope grab can be removed anywhere along the vertical lifeline

**Q5: How are the forces on the TechLine Residential HLL reduced?**

A5: The TechLine Residential System includes a shock absorber engineered to keep system line forces consistently under 2,500 lbs. Consistent forces minimize fall clearance requirements and prevent application of excessive forces on system components.

**Q6: Why is the lifeline adjuster (tensioner) such an important part of the TechLine Residential System?**

A6: TechLine Residential Systems are equipped with a lifeline adjuster (tensioner) so you know when the system has been properly tensioned. Proper tensioning is important to safety since it affects fall clearance requirements. A system that is installed so that there is not enough tension in the line will increase fall clearance requirements. A system over-tensioned can exert excessive forces onto the stanchions.

**Q7: How many workers does the TechLine Residential System accommodate?**

A7: The TechLine Residential System can accommodate a maximum of two (2) workers at 310lbs each.

**Q8: What if I lose or damage the screws that came with the reusable bracket?**

A8: Eight (8) 5/16" x 2 1/2" galvanized lag screws can be purchased from your local hardware store.

**Q9: Can I use nails to replace the screws that came with the reusable bracket?**

A9: Screws are the only approved hardware used to attach the reusable bracket to the truss member of the roof. We found that nails don't have the strength requirements to resist the loads and should never be used in this system.

**Q10: What standard does this kit meet?**

A10: This system has been tested to ANSI A10.32-2004 and OSHA 1926.502.

**Q11: What needs to be done if the system arrests a fall?**

A11: The system should be removed from service immediately and inspected by a competent person to determine what needs to be replaced.

**Q12: For additional questions/information, who should I contact?**

A12: For additional information, please contact Honeywell Technical Service at 800/873-5242.



Ask the Expert ... Ask Miller.

800/873-5242

Fax 800/892-4078

[www.millerfallprotection.com](http://www.millerfallprotection.com)

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