



Frequently Asked Questions

Q1. Why was the Miller Turbo T-BAK™ Tie-Back Personal Fall Limiter (PFL) developed?

A1. Over the past several years, there has been a growing trend moving from shock-absorbing lanyards to personal fall limiters (PFL) or self-retracting lifelines (SRL) because of the many advantages 'retractable' units provide, including:

- Requires less fall clearance
- Reduces trip hazards
- Makes rescue easier

Just as "tie-back" shock-absorbing lanyards, such as the Miller BackBiter® Tie-Back Lanyards, have become very popular among lanyard users, significant interest has grown for retractable lifelines that are also designed to 'tie-back'.

Q2. Why would a Miller Turbo T-BAK PFL be the preferred equipment of choice?

A2. The Miller Turbo T-BAK PFL provides the following features/benefits:

- Lowers overall system costs by eliminating the need for a separate anchorage connector
- Eliminates the extra weight of carrying an extra anchorage connector, such as a cross-arm anchorage strap, wire hook, rebar hook anchor, etc.
- Eliminates the possibility of missing or stolen anchorage connectors
- Greater mobility with more tie-off anchorage locations
- Those currently using "tie-back" lanyards, and often work at lower fall clearances (under 18.5 ft.) will require retractable lifelines with quick-activating brake systems

Q3. Why are the Miller Turbo T-BAK PFLs approved for 'tie-back' use when other retractable units are not?

A3. Miller Turbo T-BAK PFLs are specifically engineered and designed to tie-back onto the webbing lifeline. The units have specially engineered webbing with the strength and abrasion resistance required for tie-back applications. In addition, the units include the Miller 5K® locking snap hook that is designed for up to 5,000 lbs. gate load capacity from any angle. This is the same Miller 5K snap hook that has been

overwhelmingly successful with the popular Miller BackBiter® Tie-Back Lanyard for many years.

Another unique design feature is the repositioning and integration of the shock absorber into the top of the unit's housing, rather than on the end of the webbing near the snap hook. This unique design is required in a 'tie-back' situation since a shock absorber pack near the snap hook would be ineffective in a fall. By locating it at the top of the unit, the shock absorber will be deployed safely.

Q4. How does a user know if their retractable lifeline unit is approved for 'tie-back' use?

A4. The new Miller Turbo T-BAK™ PFL differs from other small web retractable units that are not designed for 'tie-back' use in several ways:

- The webbing lifeline is designed with special white striping down the sides, compared to the all-black webbing lifelines on standard Miller 'non-tie-back' units.
- The locking snap hook used to 'tie-back' is the Miller 5K® locking snap hook designed for up to 5,000 lbs. gate load capacity from any angle.
- The Miller Turbo T-BAK PFL housing has four (4) separate labels on the housing indicating that the unit can be used safely for tie-back use.
- The color of the Miller Turbo T-BAK PFL housing is charcoal gray. All regular Miller web retractable units have red color housings.

Q5. What is the purpose of the silver button on the webbing lifeline?

A5. The silver button restricts the webbing from retracting into the unit. This design was selected to minimize potential 'hang up' or wear when the webbing is wrapped around a beam or other approved anchorage structure.

Q6. What is the working capacity of the Miller Turbo T-BAK PFL?

A6. The working capacity is 7.5 ft. when the lanyard is fully extended. This is the distance from the unit's anchorage point to the end of the snap hook on the lifeline.

Q7. What is the capacity rating for the Miller Turbo T-BAK PFL?

A7. The maximum weight of the worker, including all tools, is 400 lbs. (181.4kg.).

Q8. What are the advantages of the Miller Turbo T-BAK PFL compared to other competitive 'tie-back' retractable lifelines?

A8. There are several key advantages:

- **Tie-back is allowed anywhere along the webbing lifeline of the Miller Turbo T-BAK PFL.**
 - Competitive units only allow tie-back on the *special sleeve*, making training more difficult and limiting the size of the structure that the units can be attached to.
- **The Miller Turbo T-BAK PFL meets the ANSI requirement that only 24-inches of lifeline can extend out of the housing when the unit is fully retracted.**
- **The Miller Turbo T-BAK PFL is user-rated for 400 lbs. capacity.**
- **The Miller Turbo T-BAK PFL is designed for anchoring below a user's harness back D-ring** (See user manual for restrictions).

Q9. Is the Miller Turbo T-BAK PFL equipped with a load indicator?

A9. Yes. The load indicator is located at the top of the housing unit. Should a fall occur, the top of the unit will separate from the housing, releasing a shock absorber and a red flag. Once the shock absorber and red flag are exposed, the unit must be taken out of service.

Q10. What distance will the shock absorber extend in a fall?

A10. The maximum distance the shock absorber will deploy is approximately 12 in.

Q11. Can the Miller Turbo T-BAK PFL be used as a regular self-retracting lifeline, not in a tie-back situation?

A11. Yes. The Miller Turbo T-BAK PFL can be used as a regular self-retracting lifeline and will perform in the same manner.

Q12. What type of structures can the Miller Turbo T-BAK PFL webbing wrap around?

A12. Typical structures will include I-beams, angle iron, concrete beams or similar type structures. Remember: any structure selected is considered an anchorage and, therefore, must be capable of supporting a static load up to 5,000 lbs. (22.2kN) if non-certified, and two-times the maximum arresting force if certified. Do not allow the webbing lifeline to be wrapped around sharp edges.

Q13. Can two (2) Miller Turbo T-BAK PFLs be used with the Miller Twin Turbo D-Ring Connector for 100% tie-off?

A13. Yes. The Miller Turbo T-BAK PFL was designed for use with the Miller Twin Turbo D-Ring Connector. Miller Twin Turbo T-BAK PFL Kits are now available.

Q14. What Miller Turbo T-BAK PFL models are available and what are the stock designations?

A14. There are five (5) single-leg models available and one (1) twin-leg model. The model numbers, descriptions and stock status are listed below.

Turbo T-BAK		
Model	Unit Connector	Stock Status
MFLT-1/7.5FT	N/A	Non-Stock
MFLT-2/7.5FT	Steel Twist Lock Carabiner	Stock
MFLT-3/7.5FT	Aluminum Twist Lock Carabiner	Stock
MFLT-4/7.5FT	Locking Snap Hook (3/4")	Non-Stock
MFLT-5/7.5FT	ANSI Z359.1-2007 Compliant Snap Hook (3/4")	Non-Stock
Twin Turbo T-BAK		
Model	Description	Stock Status
MFLTB-1/7.5FT	Twin Turbo D-ring connector with two MFLT-1 Units	Stock

Q15. What standards does the Miller Turbo T-BAK PFL meet?

A15. The Miller Turbo T-BAK PFL meets all applicable OSHA, ANSI, CSA and EN standards. These include OSHA 1910.502; ANSI Z359.1-2007 and A10.32; CSA Z259.2.2 (Type 1); and EN360.

Q16. Does the Miller Turbo T-BAK PFL require annual factory recertification through an authorized center?

A16. No. Extensive testing indicates that the Miller Turbo T-BAK PFL is extremely durable due to its corrosion-resistant stainless steel, aluminum and polymer components. As long as the user follows the inspection and test procedures outlined in the instruction manual, no annual factory recertification is necessary. However, if a unit is involved in a fall or it does not pass an inspection, the unit must be immediately taken out of service.

Q17. Is the Miller Turbo T-BAK PFL repairable?

A17. Yes. The Miller Turbo T-BAK PFL is a repairable unit.

Q18. When should a Miller Turbo T-BAK PFL be taken out of service due to webbing wear?

A18. The T-BAK webbing is constructed of a white inner strength core surrounded by a black protective polyester jacket. It has been made with two white stripes down the sides to indicate that it is the special tie-back webbing. If white material appears through the black area of the webbing, the unit should be removed from service and returned to Sperian Fall Protection or an authorized repair center for servicing.

Q19. What is the warranty on the Miller Turbo T-BAK PFL?

A19. As with all Miller® brand products, the Miller Turbo T-BAK PFL has a Limited Lifetime Warranty against manufacturer defects and workmanship. In addition, the Miller Turbo T-BAK PFL has the same Lifetime Housing Guarantee as the Miller Falcon™ Self-Retracting Lifeline.

For additional information, contact Miller Technical Service at 800/873-5242

