

Honeywell Miller® TurboLite™ Flash Personal Fall Limiter

When Hazards Happen in a Flash...Depend on Honeywell Miller

Q1: What hazards does the TurboLite Flash Personal Fall Limiter protect against?

A1: The TurboLite Flash Personal Fall Limiter (PFL) protects users who are working at height in areas where there are potential hazards from arc flash and hot work applications.

Q2: What is an arc flash and what are possible hazards?

A2: An arc flash occurs when an electrical current flows through the air between two electrical conductors causing intense heat, light and/or a blast. Specific hazards include, but are not limited to burns, fire, flying objects, blast pressure, sound blast, and extreme temperatures upwards of 35,000° F all of which can result in serious injuries and even death.

Q3: What is a hot work application?

A3: Per OSHA 1917.152 (a), a hot work application is “any application involving cutting, welding, soldering, grinding, or any other similar activity producing a spark, flame, or heat.

Q4: How does the TurboLite Flash protect against these hazards?

A4: TurboLite Flash PFLs feature a web lifeline comprised of Kevlar® and Nomex® which provides resistance to flame, heat, and burns. TurboLite Flash PFLs have been tested to the requirements of ASTM F887 and maintain flame resistance of up to 40±5 cal/cm². In addition to providing flame resistance, the TurboLite Flash will arrest a fall quickly in the event of a fall to protect the worker from falls at height.

Q5: Does the TurboLite Flash eliminate electric shock?

A5: The TurboLite Flash does not completely eliminate or prevent electrical shock. This is due to the exposed metal components that are critical to the design of the product such as metal connectors (snap hooks) and swiveling components.

Q6: What standards does the TurboLite Flash meet?

A6: The TurboLite Flash PFL meets all applicable OSHA & ANSI requirements as well as ASTM F877. Always refer to the label on the product for specific standards the product meets.

Q7: What TurboLite Flash models are available?

A7: In addition to models for standard arc flash and hot work applications, TurboLite Flash models are available that are specifically designed for bucket truck, aerial lift, and tie-back applications. Refer to the tables on the following page (pg. 2) for specific configurations and part numbers.

FREQUENTLY ASKED QUESTIONS

Bucket Truck Series

SKU	Length	Harness Connector	Anchorage Connector
MFLAFB-1/4.5FT	4.5-ft.	Aluminum Captive Eye Carabiner	Aluminum Locking Snap Hook
MFLAFB-1/6FT	6-ft.		
MFLAFB-2/6FT	6-ft.	Kevlar Web Loop	

Aerial Lift Series

SKU	Length	Harness Connector	Anchorage Connector
MFLAFA-11/4.5FT	4.5-ft.	Quick Connect Harness Connector	Aluminum Snap Hook
MFLAFA-18/4.5FT	4.5-ft.		Aluminum Captive Eye Carabiner

Tie-Back Series

SKU	Configuration	Length	Harness Connector	Anchorage Connector
MFLAFT-1/9FT	Single Tie-Back	9-ft.	Quick Connect Harness Connector	Steel Tie-Back Snap Hook (5K)
MFLAFT2-1/9FT	Twin Tie-Back	9-ft.		Steel Tie-Back Snap Hooks (5K)

Standard Series

SKU	Configuration	Length	Harness Connector	Anchorage Connector
MFLAF-1/6FT	Single	6-ft.	Quick Connect Harness Connector	Steel Locking Snap Hook
MFLAF-3/6FT	Single	6-ft.		Steel Twist-Lock Carabiner
MFLAF-4/6FT	Single	6-ft.		Steel Locking Snap Hook
MFLAF-5/6FT	Single	6-ft.		Steel Locking Rebar Hook
MFLAF-11/6FT	Single	6-ft.		Steel Locking Swivel Snap Hook
MFLAF-12/6FT	Single	6-ft.		Aluminum Locking Snap Hook
MFLAF-18/6FT	Single	6-ft.		Aluminum Locking Rebar Hooks
MFLAF2-3/6FT	Twin	6-ft.		Aluminum Captive Eye Carabiner
MFLAF2-4/6FT	Twin	6-ft.		Steel Locking Snap Hook
MFLAF2-5/6FT	Twin	6-ft.		Steel Locking Rebar Hooks
MFLAF2-11/6FT	Twin	6-ft.		Steel Locking Swivel Snap Hooks
MFLAF2-12/6FT	Twin	6-ft.		Aluminum Locking Snap Hooks
MFLAF2-18/6FT	Twin	6-ft.		Aluminum Locking Rebar Hooks
MFLAF2-18/6FT	Twin	6-ft.		Aluminum Captive Eye Carabiners

FREQUENTLY ASKED QUESTIONS

Q8: What is the product weight of the TurboLite Flash?

A8: The weight of the product varies from model to model but can range from 2.5 lbs. to 7.3 lbs. depending on if the model is a single or twin configuration. Specific model weights can be found on the technical data sheet on our website – www.millerfallprotection.com.

Q9: What are the benefits of using the TurboLite Flash instead of a traditional arc-rated lanyard?

A9: TurboLite Flash PFLs arrest a fall quickly which reduces fall clearance requirements as compared to a shock absorbing lanyard. The lifeline of the PFL retracts in and out as needed providing a more comfortable working experience as well as reducing tripping hazards that can result when using a lanyard which has a fixed length. The lifeline of the PFL is protected inside the housing when not in use which extends product and service life and lowers cost of ownership.

Q10: What is the weight capacity rating for the TurboLite Flash?

A10: The maximum weight capacity is 420 lbs. (190.5kg.) including clothing, tools and all equipment. This weight capacity applies to foot-level (for applicable models) and above connection.

Q11: Can the TurboLite Flash be anchored below the back D-ring?

A11: The TurboLite Flash can be anchored below the back D-ring down to foot level except for tie-back models (MFLAFT-1/9FT & MFLAFT2-1/9FT) which must not be anchored more than 3-ft. below the back D-ring. All TurboLite Flash models include an integral energy absorber that reduces additional force put on the worker if a fall were to occur when anchored at foot level. The integral energy absorber should always be attached to the worker.



Q12: Can the TurboLite Flash be used in applications where there is potential for the lifeline to come in contact with an edge?

A12: No, the TurboLite Flash is not designed and should not be used in any application where there is potential for the lifeline to come in contact with an edge in the event of a fall. If there are exposed edges in the work area that the lifeline they must be covered to protect the lifeline.

FREQUENTLY ASKED QUESTIONS

Q13: What harness connector options are available on TurboLite Flash models?

A13: Harness Connector options include the Quick-Connect Harness Connector, Steel Locking Snap Hook, Aluminum Captive Eye Carabiner or Kevlar Web Loop



Quick-Connect
Harness
Connector



Steel Locking
Snap Hook



Aluminum
Captive Eye
Carabiner



Kevlar Web Loop

Q14: What anchorage connector options are available on TurboLite Flash models?

A14: Models are available with steel and aluminum locking snap hooks & rebar hooks, steel locking swivel snap hooks, steel twist-lock carabiner, aluminum captive eye carabiners, and steel locking tie-back snap hooks. All connectors include gate strength of 3,600-lbs. except for the tie-back snap hooks which have a gate strength of 5,000-lbs.



Steel Locking
Snap Hook



Aluminum Locking
Snap Hook



Aluminum/Steel
Locking Rebar Hook



Steel Locking
Swivel Snap Hook



Steel Locking
Tie-Back Hook



Steel Twist-Lock
Carabiner



Aluminum Captive
Eye Carabiner

Q15: Is the TurboLite Flash available with the Twin Turbo G2 Connector or D-Ring Connector?

A15: TurboLite Flash twin models are not available with the G2 Connector or D-Ring Connector. They are available with the Quick-Connect Harness Connector which provides quicker and easier installation.

FREQUENTLY ASKED QUESTIONS

Q16: Can the TurboLite Flash be attached directly to the harness back D-ring?

A16: Yes, certain models can be attached directly to the harness back D-ring. These models include those in the Bucket Truck Series as well as MFLAF-1/6FT from the Standard Series.

All other models include the Quick Connect Harness Connector which cannot be attached directly to the back D-ring. The Quick Connect Harness Connector must be attached through the webbing underneath the harness back D-ring. To ensure the harness connector is properly installed, ensure the pin is captured behind BOTH webbing straps and that the red band on the harness connector pin is NOT visible. The harness connector pin is not properly engaged if the red band on the pin is visible.

Please refer to the user instruction manual for specific instructions on how to install and attach the Quick Connect Harness Connector to the harness.



Q17: Where are the product and warning labels located on the product?

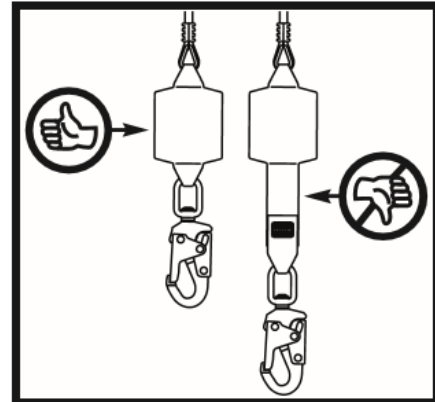
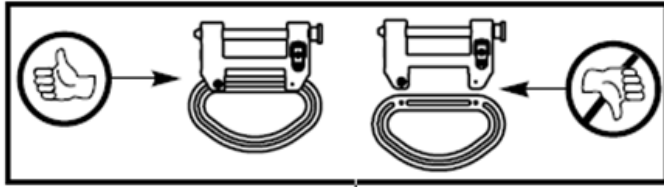
A17: Important product and warning labels are located on the shock absorber pack under the protective flap. Please refer to the user instruction manual for images of these labels.



FREQUENTLY ASKED QUESTIONS

Q18: Does the TurboLite Flash have a load indicator?

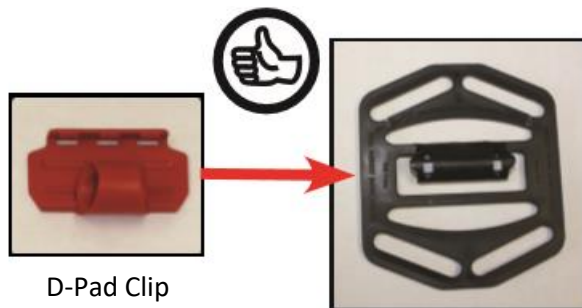
A18: Yes, the TurboLite Flash is equipped with a load indicator built into integral shock absorber as shown below.



Load Indicator on Shock Absorber
Connected to Lifeline Connector

Q19: When should the optional D-Pad Clip be used?

A19: The optional D-Pad Clip is recommended for best performance to minimize slippage of the Quick-Connect Harness Connector on the harness webbing. The D-Pad Clip is not necessary for harnesses with back pads sewn to the harness webbing (e.g. Miller AirCore Harnesses). Please refer to the chart on page 7 for a list of harnesses that are compatible with the D-Pad Clip.



D-Pad Clip
(Optional)



FREQUENTLY ASKED QUESTIONS

Harness D-Pad Clip Recommended Usage	
Harnesses to use with D-Pad Clip	Harnesses that do not need D-Pad Clip
Miller Revolution™	Miller AirCore™
Miller DuraFlex®	Miller Titan™ (T2000, T2007, T2500)
Miller DuraFlex® Ultra	Miller Titan T-Flex™
Miller DuraFlex Python®	Miller Titan™ Non-Stretch (T4000, T4007, T4078, T4500, T4507, T4577)
Miller DuraFlex Python® Ultra	North Rite-On
Miller HP™	
Miller Standard Non-Stretch	
Miller Speciality (Concrete Construction, Oil Rig, ProCraft and Welding)	

Q20: Can both lifelines of a twin TurboLite Flash be tied off at the same time?

A20: Yes, it is acceptable to tie-off both lifelines of a twin TurboLite Flash PFL at the same time and may be preferred to limit the weight of the unit on the user.

Q21: What is the required fall clearance for the TurboLite Flash?

A21: Please see Table 1 below for required fall clearance for the TurboLite Flash PFL. Please note, the fall clearance will vary depending on many factors including the location of the anchor point, the maximum arrest distance (MAD) of the product and the position and weight of the worker. This table as well as more information on fall clearance can be found in the user instruction manual.

TABLE 1: Required Fall Clearances from Work Level to Lower Level*

Maximum Arrest Distance of SRL	Minimum Required Fall Clearance for Overhead Applications						
	Working Directly Below Anchor Point			NOT Working Directly Below Anchor Point			
	In Standing Position	In Kneeling/ Crouched Position	In Lying Down Position	In Potential Swing Fall Position			
24 in (0.6m)	5 ft (1.5m)	8 ft (2.4m)	10 ft (3.0m)	Varies - Additional Fall Clearance Required			
36 in (0.91m)	6 ft (1.8m)	9 ft (2.7m)	11 ft (3.4m)				
54 in (2.4m)	7.5 ft (2.3m)	10.5 ft (3.2m)	12.5 ft (3.8m)				
Maximum Fall Clearance Required for Foot Level Tie-Off Application (up to 5-ft. below harness D-ring*)							
	Maximum Fall Clearance Need						
	Lateral edge distance						
User Weight (including clothing, tools, & PPE)	0	1	2	3	4	5	6
Up to 310 lbs.	16'	16'6"	17'	17'7"	18'2"	19'10"	20'
310 lbs. to 420 lbs.	18'	18'6"	19'	19'7"	20'2"	21'10"	22'

*This chart shows general minimum fall clearances required. An exact calculation, based on the SRL to be used and an assessment of the work site and conditions that may affect the worker's fall clearance, must be performed. Tie-Back models (MFLAFT-1/9FT & MFLAFT2-1/9FT) must not be anchored more than 3-ft. below the back D-ring.

FREQUENTLY ASKED QUESTIONS

Q22: Is the TurboLite Flash repairable?

A22: No, the TurboLite Flash is not repairable.

Q23: Is the TurboLite Flash equipped with RFID?

A23: Yes, the TurboLite Flash includes RFID technology for asset inspection and tracking within the shock absorber pack. The RFID label is attached to the shock absorber.

Q24: What is the warranty on the TurboLite Flash?

A24: As with all Miller Fall Protection products, the TurboLite Flash has a Limited Lifetime warranty against manufacturer defects and workmanship.

Q25: Who should I contact for additional questions/information?

A25: Contact Honeywell Technical Service at 800-873-5242 (press 4).



Example of Variable Label & RFID Symbol

Limitless Possibilities. Ask the Expert.

Technical Service: 800.873.5242

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⚠ WARNING! This equipment should only be used after reading and understanding the manufacturer's instructions. Failure to follow instructions could result in serious injury or fatality.