

MILLER™ TURBOLITE™+ PERSONAL FALL LIMITERS

TECHNICAL DATA

SP408 Rev. E

Feb 2023

The compact and lightweight Miller TurboLite+ Personal Fall Limiter (PFL) provides the same working capacity as a traditional shock-absorbing lanyard while instantly arresting a free fall within inches.

MATERIALS

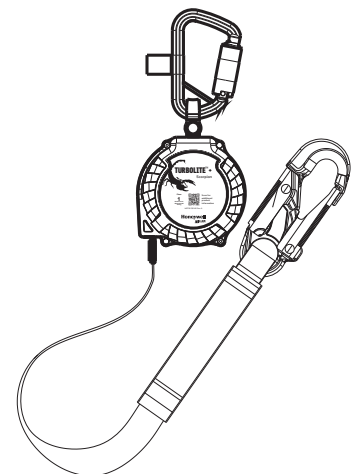
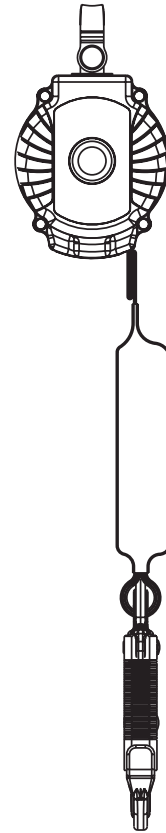
Housing:	High impact nylon
Hub:	Shock-absorbing engineered co-polymer
Lifeline:	Vectran core webbing, polyester jacket
Braking Mechanism:	Stainless steel
Webbing:	Vectran core, polyester jacket 1" wide x 0.06" thick (25.4mm x 1.5mm) 1" wide x 0.06" thick (25.4mm x 1.5mm)
Thread:	Polyester
Connectors:	See images below for details

TECHNICAL

Min. Working Capacity:	130 lb (59 kg)
Max. Working Capacity:	See table below for capacity ratings
Working Length Capacity:	6 ft (1.8 m), 9 ft (2.74 m), 11 ft (3.35 m)
Max. Arrest Distance:	42 in (1.06 m)
Avg. Arresting Force:	1350 lb (6 kN) (when tested to ANSI Z359.14)
Max. Peak Arresting Force: (when tested to ANSI Z359.14)	900 lb (4kN) for 310 lb (140 kg) user and 1800 lb (8kN) up to 420 lb (190.5 kg) user (using the ANSI test method for Overhead SRL) 1,800 lb (8kN) (when tested to ANSI Z359.14)
Ultimate Strength:	3,000 lb (13.34kN)

CERTIFICATION

Meets OSHA 1926.502, 1910.140
ANSI Z359.14-2021 Class 1 for overhead



SKU	Length	Unit Connector	Lifeline End Connector	Weight	Max. Working Capacity	
					ANSI	OSHA
TURBOLITE+ SCORPION						
MTL-OHS1-05/8FT	8 ft (2.4 m)	No unit connector	Locking Swivel Snap Hook	3.4 lb (1.5 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHS1-91/8FT	8 ft (2.4 m)	Swivel with no connector	Locking Snap Hook	2.7 lb (1.2 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHS1-01/9FT	9 ft (2.7 m)	Carabiner	Locking Snap Hook	4.9 lb (2.2 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHS1-03/9FT	9 ft (2.7 m)	No unit connector	Locking Snap Hook	4.3 lb (1.9 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHS1-05/9FT	9 ft (2.7 m)	No unit connector	Locking Swivel Snap Hook	3.4 lb (1.5 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHS1-09/9FT	9 ft (2.7 m)	D-Ring Swivel Hook	Locking Snap Hook	4.3 lb (1.9 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHS1-11/9FT	9 ft (2.7 m)	Locking Snap Hook	Locking Snap Hook	6.3 lb (2.8 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHS1-15/9FT	9 ft (2.7 m)	Locking Snap Hook	Locking Rebar Hook	5 lb (2.2 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHS1-31/9FT	9 ft (2.7 m)	Captive Eye Carabiner	Locking Snap Hook	5.1 lb (5.3 lb)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHS1-55/9FT	9 ft (2.7 m)	Carabiner	Locking Swivel Snap Hook	4.2 lb (1.9 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHS1-71/9FT	9 ft (2.7 m)	Locking Rebar Hook	Locking Snap Hook	5.2 lb (2.3 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHS1-90/9FT	9 ft (2.7 m)	Swivel Carabiner	Locking Swivel Snap Hook	4.2 lb (1.9 kg)	310 lb (141 kg)	420 lb (190.5 kg)
SKU	Length	Unit Connector	Lifeline End Connector	Weight	Max. Working Capacity	
					ANSI	OSHA
TURBOLITE+ 6 ft						
MTL-OHW1-01/6FT	6 ft (1.8 m)	Carabiner	Locking Snap Hook	4.5 lb (2 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-02/6FT	6 ft (1.8 m)	Carabiner	Locking Rebar Hook	3.4 lb (1.5 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-03/6FT	6 ft (1.8 m)	No unit connector	Locking Snap Hook	4 lb (1.8 lb)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-04/6FT	6 ft (1.8 m)	No unit connector	Locking Rebar Hook	2.9 lb (1.3 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-05/6FT	6 ft (1.8 m)	No unit connector	Locking Swivel Snap Hook	3.1 lb (1.4 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-06/6FT	6 ft (1.8 m)	No unit connector	Locking Swivel Rebar Hook	3 lb (1.3 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-07/6FT	6 ft (1.8 m)	Carabiner	Locking Snap Hook	4.2 lb (1.9 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-08/6FT	6 ft (1.8 m)	Carabiner	Locking Rebar Hook	3.2 lb (1.4 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-09/6FT	6 ft (1.8 m)	D-Ring Swivel Hook	Locking Snap Hook	4.5 lb (2 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-10/6FT	6 ft (1.8 m)	D-Ring Swivel Hook	Locking Rebar Hook	3.4 lb (1.5 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-11/6FT	6 ft (1.8 m)	Locking Snap Hook	Locking Snap Hook	6 lb (2.7 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-12/6FT	6 ft (1.8 m)	Locking Snap Hook	Locking Rebar Hook	4.9 lb (2.2 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-14/6FT	6 ft (1.8 m)	Locking Snap Hook	Locking Snap Hook	5.4 lb (2.4 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-15/6FT	6 ft (1.8 m)	Locking Snap Hook	Locking Rebar Hook	4.4 lb (1.9 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-17/6FT	6 ft (1.8 m)	No unit connector	Locking Rebar Hook	2.7lb (1.2 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-38/6FT	6 ft (1.8 m)	Carabiner	Carabiner	3.1 lb (1.4 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-58/6FT	6 ft (1.8 m)	Carabiner	Locking Rebar Hook	3.2 lb (1.4 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW2-21/6FT	6 ft (1.8 m)	Carabiner with G2 Twin Connector	Locking Snap Hooks	8 lb (3.6 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW2-22/6FT	6 ft (1.8 m)	Carabiner with G2 Twin Connector	Locking Rebar Hooks	5.8 lb (2.6 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW2-27/6FT	6 ft (1.8 m)	Carabiner with G2 Twin Connector	Locking Snap Hooks	7.4 lb (3.3 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW2-28/6FT	6 ft (1.8 m)	Carabiner with G2 Twin Connector	locking Rebar Hooks	5.4 lb (2.4 kg)	310 lb (141 kg)	420 lb (190.5 kg)

SKU	LENGTH	UNIT CONNECTOR	LIFELINE END CONNECTOR	WEIGHT	MAX. WORKING CAPACITY	
					ANSI	OSHA
TURBOLITE+ 8 ft						
MTL-OHW1-57/8FT	8 ft (2.4 m)	Carabiner	Locking Swivel Snap Hook	4 lb (1.8 kg)	310 lb (141 kg)	420 lb (190.5 kg)
TURBOLITE+ 11 ft						
MTL-OHW1-01/11FT	11 ft (3.3 m)	Carabiner	Locking Snap Hook	5.1 lb (2.3 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-03/11FT	11 ft (3.3 m)	No unit connector	Locking Snap Hook	4.5 lb (2 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-04/11FT	11 ft (3.3 m)	No unit connector	Locking Rebar Hook	3.4 lb (1.5 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-05/11FT	11 ft (3.3 m)	No unit connector	Locking Swivel Snap Hook	3.6 lb (1.6 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-07/11FT	11 ft (3.3 m)	Carabiner	Locking Snap Hook	4.8 lb (2.1 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-11/11FT	11 ft (3.3 m)	Locking Snap Hook	Locking Snap Hook	6.5 lb (2.9 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-12/11FT	11 ft (3.3 m)	Locking Snap Hook	Locking Rebar Hook	5.4 lb (2.4 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-38/11FT	11 ft (3.3 m)	Carabiner	Carabiner	3.6 lb (1.6 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-58/11FT	11 ft (3.3 m)	Carabiner	Locking Rebar Hook	3.8 lb (1.7 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW1-71/11FT	11 ft (3.3 m)	Locking Rebar Hook	Locking Snap Hook	5.4 lb (2.4 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW2-21/11FT	11 ft (3.3 m)	Carabiner with G2 connector	Locking Snap Hooks	9.1 lb (4.1 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW2-22/11FT	11 ft (3.3 m)	Carabiner with G2 connector	locking Rebar Hooks	6.9 lb (3.1 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW2-27/11FT	11 ft (3.3 m)	Carabiner with G2 connector	Locking Snap Hooks	8.5 lb (3.8 kg)	310 lb (141 kg)	420 lb (190.5 kg)
MTL-OHW2-28/11FT	11 ft (3.3 m)	Carabiner with G2 connector	locking Rebar Hooks	6.5 lb (2.9 kg)	310 lb (141 kg)	420 lb (190.5 kg)



Aluminum Twist Lock Carabiner



Locking Swivel Rebar Hook



Aluminum Locking Rebar Hook



Aluminum Locking Snap Hook



Stainless Steel Carabiner



Steel Snap Hook



Steel Rebar Hook



Steel Swivel Snap Hook

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Technical Service: 800.873.5242
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⚠ 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.

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FUTURE
IS
WHAT
WE
MAKE IT**

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