

MILLER™ TURBOLITE™+ PERSONAL FALL LIMITERS

TECHNICAL DATA

SP408 Rev. F

Apr. 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

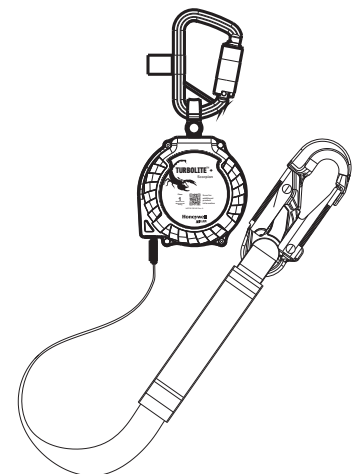
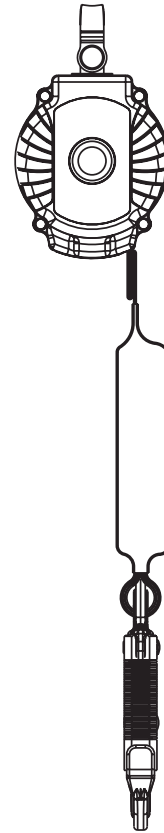
| | |
|---------------------------|--|
| Housing: | High impact nylon |
| Hub: | Shock-absorbing engineered co-polymer |
| Lifeline: | Vectran core webbing, polyester jacket |
| Braking Mechanism: | Stainless steel |
| Webbing: | Vectran core, polyester jacket 1" wide x 0.06" thick (25.4mm x 1.5mm) 1" 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 Class 1 for overhead and Class 2 for Leading Edge



| 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 | Steel 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) | Steel Swivel with no connector | Steel 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) | Steel Carabiner | Steel 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 | Steel 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 | Steel 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) | Steel D-Ring Swivel Hook | Steel 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) | Steel Locking Snap Hook | Steel 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) | Aluminum Locking Snap Hook | Aluminum 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) | Steel Captive Eye Carabiner | Steel 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) | Steel Carabiner | Steel 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) | Steel Locking Rebar Hook | Steel 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) | Steel Swivel Carabiner | Steel 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) | Steel Carabiner | Steel 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) | Steel Carabiner | Steel 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 | Steel 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 | Steel 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 | Steel 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 | Steel 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) | Aluminum Carabiner | Aluminum 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) | Aluminum Carabiner | Aluminum 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) | Steel D-Ring Swivel Hook | Steel 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) | Steel D-Ring Swivel Hook | Steel 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) | Steel Locking Snap Hook | Steel 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) | Steel Locking Snap Hook | Steel 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) | Aluminum Locking Snap Hook | Aluminum 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) | Aluminum Locking Snap Hook | Aluminum 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 | Aluminum 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) | Aluminum Carabiner | Aluminum 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) | Aluminum Carabiner | Aluminum 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) | Steel Carabiner with G2 Twin Connector | Steel 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) | Steel Carabiner with G2 Twin Connector | Steel 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) | Aluminum Carabiner with G2 Twin Connector | Aluminum 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) | Aluminum Carabiner with G2 Twin Connector | Aluminum 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) | Aluminum Carabiner | Aluminum 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) | Steel Carabiner | Steel 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 | Steel 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 | Steel 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 | Steel 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) | Aluminum Carabiner | Aluminum 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) | Steel Locking Snap Hook | Steel 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) | Steel Locking Snap Hook | Steel 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) | Aluminum Carabiner | Aluminum 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) | Aluminum Carabiner | Aluminum 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) | Steel Locking Rebar Hook | Steel 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) | Steel Carabiner with G2 connector | Steel 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) | Steel Carabiner with G2 connector | Steel 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) | Aluminum Carabiner with G2 connector | Aluminum 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) | Aluminum Carabiner with G2 connector | Aluminum Locking Rebar Hooks | 6.5 lb (2.9 kg) | 310 lb (141 kg) | 420 lb (190.5 kg) |



Aluminum Twist Lock Carabiner



Steel Locking Swivel Rebar Hook



Aluminum Locking Rebar Hook



Aluminum Locking Snap Hook



Stainless Steel Twist Lock Carabiner



Steel Locking Snap Hook



Steel Locking Rebar Hook



Steel Locking Swivel Snap Hook

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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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 WHAT
 WE
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