

# MILLER™ FALCON™+ & MILLER™ FALCON™+ EDGE

TECHNICAL DATA

SP525 Rev. D

Jun. 2023

Miller Falcon+, with cable lifeline and high-resistant nylon housing, withstands the harsh rigors of the toughest applications. Pound for pound the strongest, most durable line of Self-Retracting Lifelines on the market.

The Miller Falcon+ Edge Self-Retracting Lifeline is designed to protect a worker in applications where the lifeline could come in contact with an edge in addition it can also be used in overhead applications as a traditional Self-Retracting Lifeline.

## MATERIALS

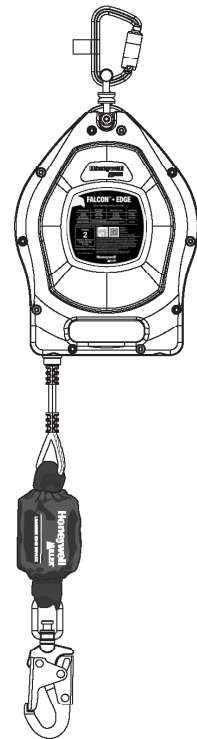
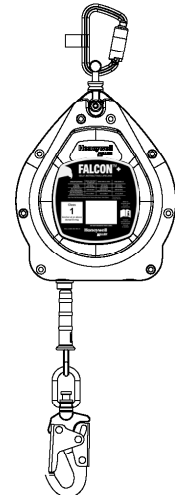
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|---------------------------|---|
| <b>Housing:</b>           | High impact-resistant nylon   |
| <b>Lifeline:</b>          | 0.69 in (17.5 mm) wide<br>Core: Technora® (aramid fiber)<br>Outer cover: Chemically treated polyester for increased abrasion resistance)<br>7X19, 3/16 in galvanized<br>7/32 in. galvanized steel cable |
| <b>Snap Hook:</b>         | Galvanized, zinc-plated steel   |
| <b>Carabiner:</b>         | Galvanized, zinc-plated steel or aluminum   |
| <b>Hub:</b>               | ABS, Stainless steel or cast aluminum   |
| <b>Braking Mechanism:</b> | Brass, stainless steel or aluminum  |
| <b>Shock Absorber</b>     |   |
| <b>Cover*:</b>            | Ballistic Nylon CarbonX (Welding Applications)<br><i>*(applicable for Falcon™+ EDGE)</i>  |

## TECHNICAL

|  |  |
|--|--|
| <b>Min. Working Capacity:</b>          | 130 lb (59 kg)   |
| <b>Max. Working Capacity:</b>          | <i>See table below for capacity ratings</i>                      |
| <b>Working Length:</b>                 | 20 ft (6.1 m)<br>30 ft (9.1 m)<br>50 ft (15.2 m)                 |
| <b>Max. Arrest Distance:</b>           | 42 in (1.06 m)<br>(when tested to ANSI Z359.14 and CSA Z259.2.2) |
| <b>Avg. Arresting Force:</b>           | 900 lb (4 kN)<br>(when tested to ANSI Z359.14 and CSA Z259.2.2)  |
| <b>Max. Peak Arresting Force:</b>      | 1,800 lb (8kN)<br>(when tested to ANSI Z359.14 and CSA Z259.2.2) |
| <b>Unit Minimum Ultimate Strength:</b> | 3,000 lb (13.34 kN)  |

## CERTIFICATION

Meets all applicable OSHA 1926.502 , ANSI Z359.14-2021 and CSA Z259.2.2-2017 requirements.




| MODEL                                | LENGTH | UNIT CONNECTOR                     | LIFELINE CONNECTOR                | WEIGHT           | INTEGRAL SHOCK ABSORBER PACK COVER | MAX. WORKING LOAD |                   |
|--------------------------------------|--------|------------------------------------|-----------------------------------|------------------|------------------------------------|-------------------|-------------------|
|                                      |        |                                    |                                   |                  |                                    | ANSI / CSA        | OSHA              |
| <b>FALCON+ EDGE GALVANIZED STEEL</b> |        |                                    |                                   |                  |                                    |                   |                   |
| MFS-LEP1-02/20FT                     | 20 ft  | Double Lock Carabiner, Zinc Plated | Load-Ind swivel snap, Zinc Plated | 11 lb (4.9 kg)   | Ballistic Nylon                    | 310 lb (141 kg)   | 420 lb (190.5 kg) |
| MFS-LEP1-02/30FT                     | 30 ft  | Double Lock Carabiner, Zinc Plated | Load-Ind swivel snap, Zinc Plated | 14.3 lb (6.4 kg) | Ballistic Nylon                    | 310 lb (141 kg)   | 420 lb (190.5 kg) |
| MFS-LEP1-02/50FT                     | 50 ft  | Double Lock Carabiner, Zinc Plated | Load-Ind swivel snap, Zinc Plated | 17.4 lb (7.8 kg) | Ballistic Nylon                    | 310 lb (141 kg)   | 420 lb (190.5 kg) |
| MFS-LES1-02/20FT                     | 20 ft  | Double Lock Carabiner, Zinc Plated | Load-Ind swivel snap, Zinc Plated | 11 lb (4.9 kg)   | Kevlar                             | 310 lb (141 kg)   | 420 lb (190.5 kg) |
| MFS-LES1-02/30FT                     | 30 ft  | Double Lock Carabiner, Zinc Plated | Load-Ind swivel snap, Zinc Plated | 14.3 lb (6.4 kg) | Kevlar                             | 310 lb (141 kg)   | 420 lb (190.5 kg) |
| MFS-LES1-02/50FT                     | 50 ft  | Double Lock Carabiner, Zinc Plated | Load-Ind swivel snap, Zinc Plated | 17.4 lb (7.8 kg) | Kevlar                             | 310 lb (141 kg)   | 420 lb (190.5 kg) |
| <b>FALCON+ GALVANIZED STEEL</b>      |        |                                    |                                   |                  |                                    |                   |                   |
| MFS-OGC1-02/20FT                     | 20 ft  | Double Lock Carabiner, Zinc Plated | Load-Ind swivel snap, Zinc Plated | 8.9 lb (4 kg)    | N/A                                | 310 lb (141 kg)   | 420 lb (190.5 kg) |
| MFS-OGC1-02/30FT                     | 30 ft  | Double Lock Carabiner, Zinc Plated | Load-Ind swivel snap, Zinc Plated | 10.7 lb (4.8 kg) | N/A                                | 310 lb (141 kg)   | 420 lb (190.5 kg) |
| MFS-OGC1-02/50FT                     | 50 ft  | Double Lock Carabiner, Zinc Plated | Load-Ind swivel snap, Zinc Plated | 14.8 lb (6.7 kg) | N/A                                | 310 lb (141 kg)   | 420 lb (190.5 kg) |

Limitless Possibilities. Ask the Expert.  
 Technical Service: 800.873.5242  
[www.millerfallprotection.com](http://www.millerfallprotection.com)

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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.

Canada  
 Phone: 888.212.7233  
 Fax: 888.667.8477

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 FUTURE  
 IS  
 WHAT  
 WE  
 MAKE IT**

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