

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

TECHNICAL DATA

SP525 Rev. B

Feb 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

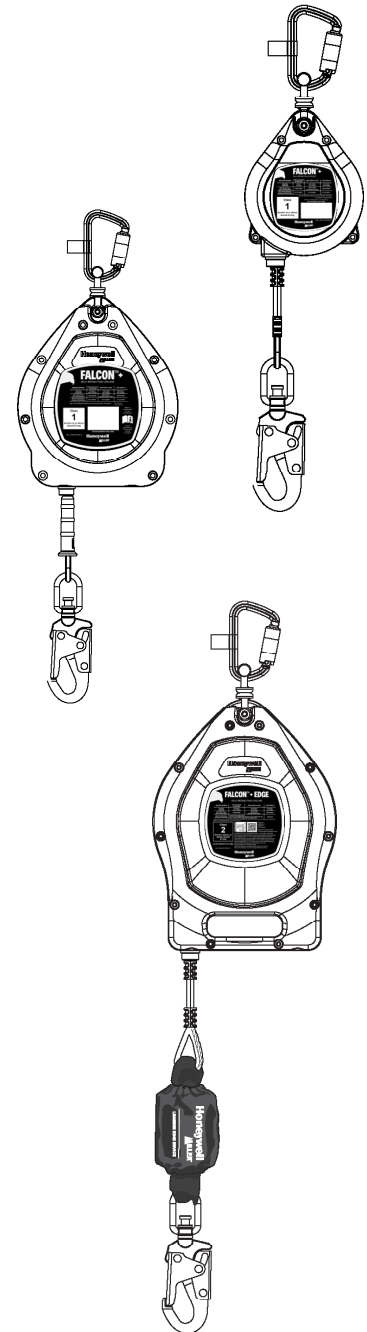
Housing:	High impact-resistant nylon
Lifeline:	0.69 in (17.5 mm) wide Core: Technora® (aramid fiber) Outer cover: Chemically treated polyester for increased abrasion resistance) 7X19, 3/16 in. galvanized 7/32 in. galvanized steel cable
Snap Hook:	Galvanized, zinc-plated steel
Carabiner:	Galvanized, zinc-plated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

TECHNICAL

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

CERTIFICATION

Meets all applicable OSHA 1926.502 and ANSI Z359.14-2021 requirements.




MODEL	LENGTH	UNIT CONNECTOR	LIFELINE CONNECTOR	WEIGHT	INTEGRAL SHOCK ABSORBER PACK COVER	MAX. WORKING LOAD	
						ANSI	OSHA
FALCON+ EDGE GALVANIZED STEEL							
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)
FALCON+ GALVANIZED STEEL							
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)
MFS-OGS1-02/20FT	30 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-OGS1-02/30FT	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)

Limitless Possibilities. Ask the Expert.
 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.

Canada
 Phone: 888.212.7233
 Fax: 888.667.8477

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 FUTURE
 IS
 WHAT
 WE
 MAKE IT**

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