



LIGHTWEIGHT STRENGTH. TRUSTED SAFETY.

Meet the **Micro-Loc™ LE Personal Self-Retracting Lanyard** from Fall Safe™ engineered with a single goal: protecting you where it matters most – the edge. The Micro-Loc LE is a compact, lightweight, class 2 personal SRL that exceeds every current safety standard. It's designed to keep workers protected against leading edges, while maintaining shorter arrest distances, industry-leading energy capacity, and durability that thrives in the harshest job site conditions, all without slowing workers down or adding unnecessary weight.

LIGHTWEIGHT COMPACT DESIGN – Minimizes worker fatigue without compromising strength.

EXCEEDS ALL STANDARDS – Meets and surpasses OSHA Subparts I & M and ANSI/ASSP Z359.14-2021 Class 2 requirements.

INDUSTRY-LEADING ENERGY CAPACITY – High-capacity energy absorber enables safe anchoring below the dorsal D-ring.

FAILSAFE® PAWL TECHNOLOGY – Two cam-activated pawls with 10 locking points per drum revolution for unmatched reliability in any environment.

HIGH-STRENGTH ALLOY FRAME – Full-length steel frame for maximum durability.

VERSATILE HOOK OPTIONS – Three connector types and both single/twin configurations for 100% tie-off protection.

130-310LB RATED CAPACITY – Supports worker weight plus tools and equipment.

SPECIFICATIONS:

LIFELINE: 3/16", 7 x 19 Mil Spec wire rope

FRAME & SWIVEL: High-strength alloy steel

HOUSING: Nylon 6/6 thermoplastic

PAWLS: Hardened stainless steel

WEIGHT (SINGLE/TWIN): From 4.37 lbs to 9.15 lbs

WORKING LENGTH: 8'

PERFORMANCE:

OVERHEAD FALL CLEARANCE: ≤ 3.8'

FOOT-LEVEL TIE-OFF FALL CLEARANCE: ≤ 13.4'-15.2'

AVG. ARREST FORCE: ≤ 950 lbs

MAX ARREST FORCE: ≤ 1,200 lbs



AVAILABLE MODELS

PART #	LENGTH	WEIGHT	CONFIGURATION	HOOK TYPE
4285008-1	8' / 2.4 m	4.37 lbs / 1.98 kg	Single	Snap Hook
4286008-1	8' / 2.4 m	5.11 lbs / 2.32 kg	Single	Rebar Hook
4280008-1	8' / 2.4 m	4.80 lbs / 2.18 kg	Single	Swivel Snap Hook
4295008-1	8' / 2.4 m	7.70 lbs / 3.49 kg	Twin	Snap Hook
4296008-1	8' / 2.4 m	9.15 lbs / 4.15 kg	Twin	Rebar Hook
4290008-1	8' / 2.4 m	8.50 lbs / 8.86 kg	Twin	Swivel Snap Hook

The Fall Safe™ Micro-Loc™ LE Personal SRL redefines what's possible in lightweight fall protection — delivering exceptional safety performance against edges, with less bulk, less fatigue, and more flexibility for your crew.



FALL CLEARANCE CHARTS

Figures 5A and 5B illustrate fall clearance requirements. Ensure adequate clearance exists in the fall path to prevent striking an object during a fall. If a user is working at a position that is not directly below the SRL anchorage point, the clearance required and vertical fall distance increase. When using on a leading edge, the angle between the anchor and vertical over the edge must not be less than 90 degrees.

Determine Fall Clearance Required: To determine the fall clearance required, measure the distance from the user's harness dorsal connection to the anchorage for the SRL. Both horizontal and vertical distances are required. Use Figure 5A to determine clearance for non-leading edge usage. Use Figure 5B for leading edge usage. The lines in the figures represent 1 foot (30 cm) increments from the user's harness dorsal connection to the anchorage. For example, 5.1 ft. of clearance is required when the SRL unit is anchored 4 ft. above the user's dorsal d-ring and 3 ft. to the side of the user's harness dorsal connection for users from 130 lbs. (59 kg) to 310 lbs. (140 kg) including clothing, tools and equipment.

Non-Leading Edge Clearance

		Anchorage Offset From Back D-Ring																
		8'	7'	6'	5'	4'	3'	2'	1'	0	1'	2'	3'	4'	5'	6'	7'	8'
Anchorage Level Above Back D-Ring	8'									3.8								
	7'						3.7	4.0	3.8	3.8	3.8	4.0	3.7					
	6'				4.5	4.9	4.2	4.2	3.9	3.8	3.9	4.2	4.2	4.9	4.5			
	5'			5.8	5.7	5.1	4.7	4.6	4.1	3.8	4.1	4.6	4.7	5.1	5.7	5.8		
	4'			6.7	7.0	5.6	5.1	5.5	4.4	3.8	4.4	5.5	5.1	5.6	7.0	6.7		
	3'		7.7	7.6	6.8	6.0	5.5	4.8	3.9	4.3	3.9	4.9	5.5	6.0	6.8	7.6	7.7	
	2'		9.0	7.5	7.2	7.0	5.9	4.9	5.0	5.4	5.0	4.9	5.9	7.0	7.2	7.5	9.0	
	1'		9.7	9.1	8.4	7.7	6.7	5.9	6.6	7.0	6.6	5.9	6.7	7.7	8.4	9.1	9.7	
Back Locator	0	10.4	10.7	9.4	8.6	7.9	7.8	7.9	8.1	8.5	8.1	7.9	7.8	7.9	8.6	9.4	10.7	10.4
Anchorage Level Below Back D-Ring	1'		10.1	10.0	8.6	8.9	8.9	9.7	9.4	9.8	9.4	9.7	8.9	8.9	8.6	10.0	10.1	
	2'		10.9	10.0	9.8	10.2	10.3	11.1	10.8	11.2	10.8	11.1	10.3	10.2	9.8	10.0	10.9	
	3'		10.6	10.8	11.7	12.3	12.3	12.5	12.9	12.5	12.2	12.3	12.3	11.7	10.8	10.6		
	4'			12.1	12.6	13.6	13.1	13.5	13.8	14.2	13.8	13.5	13.1	13.6	12.6	12.1		
	5'			13.4	14.3	14.4	14.5	14.6	14.8	15.2	14.8	14.6	14.5	14.4	14.3	13.4		
Clearance (Feet) Between Working Surface and Nearest Obstruction (Includes SRL Extension, Free Fall, 2 Foot Safety Factor)																		
FIGURE 5A																		

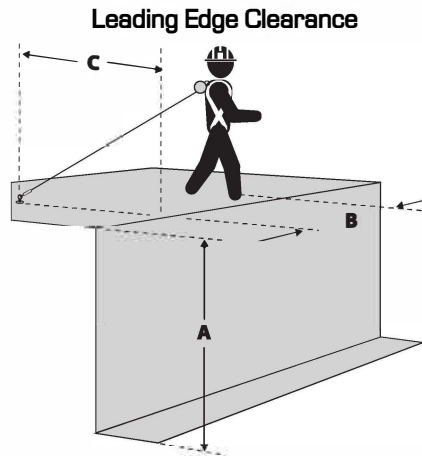


Figure 5B

		Distance off Axis of Anchorage (B)								
		0	1	2	3	4	5	6	7	8
Setback Distance (C)	1	15.8	16.0	16.2	16.4	16.6	16.8	17.3	DO NOT RIG	
	2	15.7	15.9	16.1	16.3	16.5	16.7	17.2		
	3	15.6	15.8	16.0	16.2	16.4	16.6	17.1		
	4	15.5	15.7	15.9	16.1	16.3	16.5			
	5	15.5	15.7	15.9	16.1	16.3				
	6	15.5	15.7	15.9						
Clearance Required (A)										