

Nano-Lok Self-Retracting Lifeline

On some construction projects, anchoring at the feet may be the only option. Traditional equipment is not designed for this application. In fact, using a traditional product anchored at a worker's feet may increase the risk of injury and create a false sense of security.

Lanyards, whether designed for foot level tie-off or not, go slack — creating snag and trip hazards. Products not specifically designed for foot level tie-off will generate forces far exceeding accepted safety parameters in the event of a fall.

Introduced in early 2014, Nano-Lok *edge* is the first personal self-retracting lifeline, specifically designed for foot level tie-off and sharp edge applications in construction. It is ergonomically designed for easy use and is ideal for direct connection to most harnesses.

The extremely compact and lightweight design is virtually unnoticeable on a worker's back, staying out of the worker's way and making it ideal as a lanyard replacement. The Nano-Lok *edge* retracts unused lifeline, virtually eliminating the potential for snag and trip hazards.

Whether the application requires single or 100 percent twin leg configurations, mounting to an overhead anchor or connecting directly to harness, there are numerous models and configurations to suit almost any application.

Nano-Lok locks quickly—stopping a fall within inches and providing more protection at low heights. In addition, tension is always kept on the lifeline, which reduces dragging, snapping and trip falls. Both features are key safety improvements.

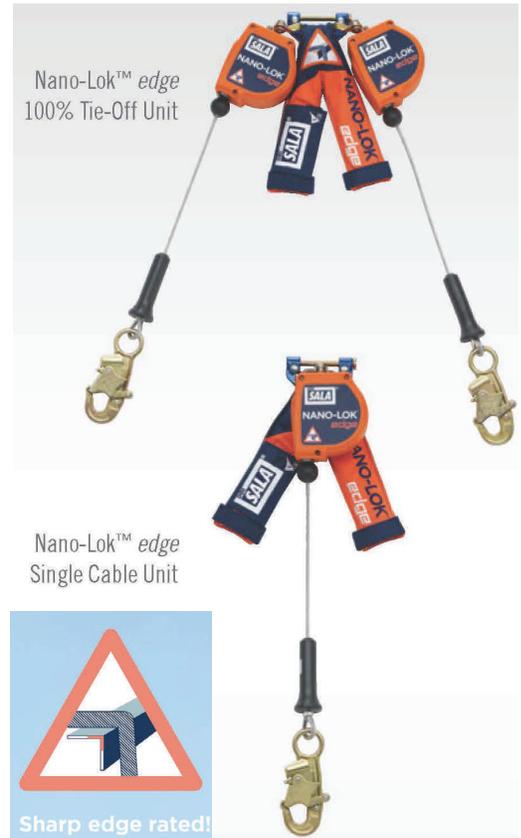
The Nano-Lok *edge* components work together to absorb the energy, limiting the average arresting forces to 900 pounds (4 kN) or less.

Traditional foot level tie-off products require at least 18.5 feet (5.6 m) of fall clearance. The Nano-Lok™ *edge* can be used with fall clearances as little as 16 feet (4.9 m). Nano-Lok *edge* is the only personal SRL on the market to pass the most stringent leading edge standard set by ANSI Z359.14, with an innovative combination of lifeline material, backpack-style energy absorber, and harness connection to reduce forces on both the worker and the edge.

Nano-Lok *edge* meets the most stringent safety standards and performs on the toughest sharp edges. DBI-SALA's global sharp edge icon immediately identifies the Nano-Lok *edge* as a sharp edge product. A tough and flexible galvanized cable lifeline, measuring 8 feet (2.4 m) of 3/16" (5 mm), provides maximum range of motion, durability, and cut resistance.

The backpack design stays tight to the harness and evenly disperses the unit's weight. The easy-to-install connector provides 360 degrees of rotation. The direct-to-harness connection provides seamless integration of the energy absorber and leaves the D-ring open for rescue or other equipment. Lightweight thermoplastic housing provides maximum durability and impact resistance.

Capital Safety, the world's leading designer and manufacturer of height safety and fall protection equipment with 20 operating sites worldwide, is home of the DBI-SALA and PROTECTA brands.



	NANO-LOK^{edge}	Foot Level Tie-Off Lanyard	Other Personal SRL	Other Traditional Lanyards
Foot level tie-off	✓	✓	✗	✗
Sharp edge	✓	✗	✗	✗
Retractable lifeline	✓	✗	✓	✗
Clearance Foot level tie-off, 310 lb (141 kg) worker and gear	✓ 16 ft (4.9 m)	✓ 18.5 ft (5.6 m)	✗ Not designed for foot level tie-off apps	✗ Not designed for foot level tie-off apps
Max. average arresting force Foot level tie-off, 310 lb (141 kg) worker and gear	✓ 900 lb (4 kN)	✓ 1350 lb (6 kN)	✗ Exceeds 1800 lb (8 kN)	✗ Exceeds 1800 lb (8 kN)
Working length	8 ft (2.4 m)	6 ft (1.8 m)	Various	6 ft (1.8 m)

