

# NANO-LOK™ *LE*

SELF RETRACTING LIFELINES  
DESIGNED FOR SHARP EDGE APPLICATIONS

YOU LIVE ON THE  
**EDGE**  
WE'LL KEEP YOU SAFE



THE ULTIMATE IN FALL PROTECTION

PRODUCT BROCHURE

# THE NEWEST INNOVATION

**SPECIFICALLY DESIGNED FOR FOOT LEVEL  
TIE-OFF AND SHARP EDGE APPLICATIONS**

- 2.4 metre working length
- Ergonomically designed for comfort
- Single and Twin Leg (100% tie-off) units available
- Meets the most stringent safety standards

**It's orange!** The Nano-Lok™ *LE* range is orange to allow for ease of worker supervision and the identification of correct product usage, ensuring your crew has the right gear for the job.





# NANO-LOK™ LE



## ◀ A INTEGRATED, BACKPACK-STYLE ENERGY ABSORBER

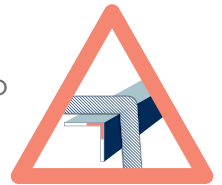
The energy absorber and connector work together to limit forces on both the worker and the impacted edge. Backpack design stays tight to the harness and evenly disperses the unit's weight.

## B EASY-TO-INSTALL CONNECTOR

Providing 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.

## C SHARP EDGE ICON

DBI-SALA® universal icon to quickly and easily identify sharp edge product.



## D TOUGH AND FLEXIBLE WEBBING OR GALVANISED CABLE LIFELINES

The 2.4m of 5mm cable or 20mm Kevlar®/ Dyneema fibre webbing provides maximum range of motion, durability, and cut resistance.

## E IMPACT-RESISTANT HOUSING

Lightweight thermoplastic housing provides maximum durability.

## F HOOK OR KARABINER OPTIONS

Designed to meet your unique needs, the Nano-Lok™ LE comes in many configurations.

### i-SAFE™ INTELLIGENT SAFETY SYSTEM

i-Safe™ enabled to track inspections, control inventory and manage information.



Nano-Lok™ LE is also available in Mine Specific models featuring Triple Action Karabiners.



# LIVE ON THE EDGE WITH CONFIDENCE

## FOOT LEVEL TIE-OFF...NO PROBLEM

In your line of work, anchoring at your feet may be the only option. Traditional equipment is not designed for this application. In fact, using a traditional product anchored at your feet may increase the risk of injury and create a false sense of security. The Nano-Lok™ *LE* is specifically designed for foot level tie-off, virtually eliminating these hazards.

## SHARP EDGES...NO

Nano-Lok™ *LE* takes the guesswork out of your work. Adhering to the highest industry standards, Nano-Lok™ *LE* is specifically designed to perform in the toughest conditions. Why? Because sharp edges are a reality, and you know how sharp they are. Nano-Lok™ *LE* has to (See page 7 for more)

### 1 TRIP HAZARD

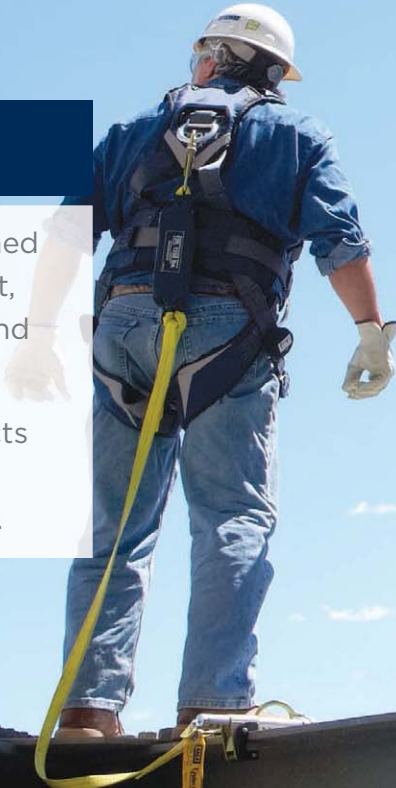
Lanyards, whether designed for foot level tie-off or not, go slack, creating snag and trip hazards.

The Nano-Lok™ *LE* retracts unused lifeline, virtually eliminating this potential.

### 2 FORCE

Products not specifically designed for foot level tie-off will generate forces far exceeding accepted safety parameters in the event of a fall.

The Nano-Lok™ *LE* components work together to absorb the energy, limiting the average arresting forces to 6kN or less.



TRADITIONAL FOOT LEVEL  
TIE-OFF LANYARD

# NANO-LOK™ LE

## NO PROBLEM

guesswork out of  
the most stringent  
is engineered  
st sharp edge  
e on your job site,  
and you never  
. Now you don't  
more details).



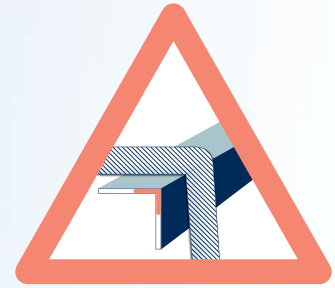
NANO-LOK™ LE

### 3 FALL CLEARANCE

Traditional foot level tie-off products require at least 5.6m of fall clearance.

The Nano-Lok™ LE can be used with fall clearances of 4.9m or less\*.

\*Always refer to user manual for fall clearances.



Sharp edge rated!

### 4 SHARP EDGES



Traditional lifelines are simply unreliable over sharp edges.

The Nano-Lok™ LE components work together to keep you safe in this dangerous and everyday situation.

Radius > 0.50mm - web models  
Radius > 0.13mm - cable models

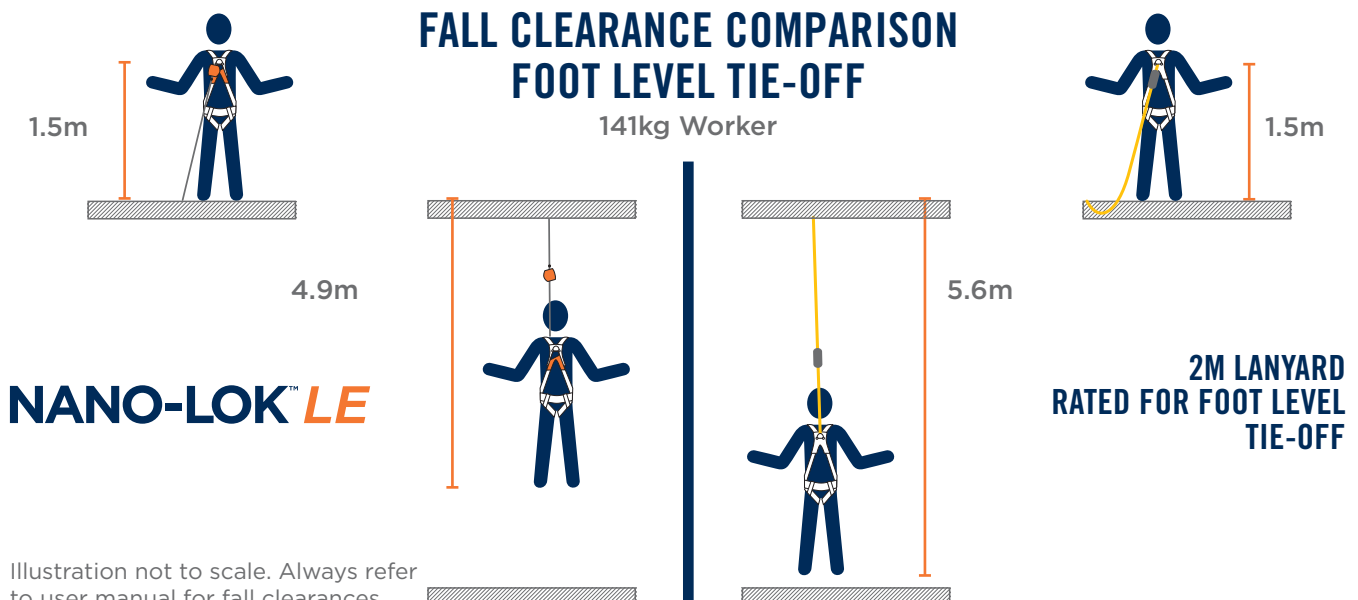
# GET SERIOUS ABOUT SAFETY

You work on the edge without fear. And we respect that. But there are dangers your current equipment doesn't cover—or even causes. Nano-Lok™ LE changes that.



## COMPARE FOR YOURSELF

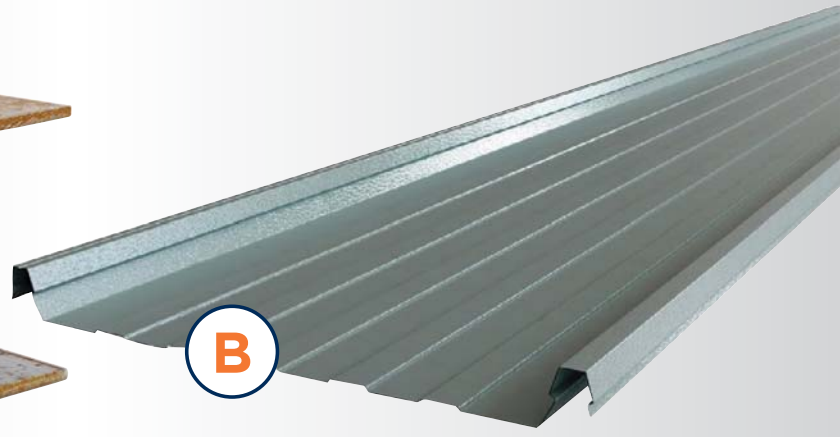
	NANO-LOK™ LE	Foot Level Tie-Off Lanyard	Other Personal SRL
Foot level tie-off	✓	✓	✗
Sharp edge	✓	✗	✗
Retractable lifeline	✓	✗	✓
<b>Clearance</b> Foot level tie-off, 141kg worker and gear	✓ 4.9m	✓ 5.6m	✗ Not designed for foot level tie-off applications
<b>Maximum average arresting force</b> Foot level tie-off, 141kg worker and gear	✓ 6kN	✓ 6kN	✗ See Above
Working length	2.4m	2m	Various





# WORK ON THE EDGE WITH CONFIDENCE

Sharp edges are found in many leading edge applications where the edge is able to cut or damage a traditional lifeline upon contact. Common sharp edge applications include those encountered on steel work, roof sheet profiles and other materials. Capital Safety™ provides a solution for working at height near these hazardous applications.



## A SHARP EDGE 0.50mm or greater

A steel edge with a radius of **0.50mm or greater**, typically found in I-beams and other similar material. (Standard: EN360: 2002 VG11.60).

**Recommendation:** Use Nano-Lok™ LE lightweight webbing self retracting lifeline models.



## B EXTREMELY SHARP EDGE 0.13mm to 0.50mm

A steel edge with a radius of **0.13mm to 0.50mm**, typically found in roof sheeting and other similar material. (Standard: EN360: 2002 VG11.54 & ANSI Z359.14).

**Recommendation:** Use Nano-Lok™ LE cable self retracting lifeline models.



How does Nano-Lok™ LE pass the sharp edge tests while others fail?  
The Nano-Lok™ LE uses an innovative combination of lifeline material, energy absorption, and harness connection to reduce forces on both the worker and the edge.

Traditional webbing lifeline (with energy absorber) failure



**NANO-LOK™ LE**



Traditional cable lifeline (with energy absorber) failure



**NANO-LOK™ LE**



# ORDER NOW TO CONSTRUCT A BETTER SOLUTION FOR SHARP EDGE APPLICATIONS

## SELECTION GUIDE/SPECIFICATIONS

### NANO-LOK™ LE

Nano-Lok™ LE Single Leg Webbing and Cable Models



Nano-Lok™ LE Twin Leg (100% Tie-Off) Webbing & Cable Models



NANO-LOK™ LE	3101639-75	3101638	3101488	3500254	3101641-75	3101640	3500255
Cable Lifeline	Single				Twin		
Webbing Lifeline	Single	Single	Single	Single	Twin	Twin	Twin
Aluminium Scaffold Hook			✓			✓	✓
Steel Snap Hook		✓		✓			
Steel Triple Action Karabiner	✓				✓		
Approximate Weight	1.5kg	1.6kg	1.8kg	1.8kg	2.6kg	3.2kg	3.7kg
Working Length	2.4m (average working length is 2.4m, but will vary slightly with differences in end connector options)						
Lifeline	Cable: 5mm 7 x 19 galvanised cable; Webbing: 20mm Kevlar®/Dyneema fibre webbing						
Minimum Edge Radius	Webbing models - 0.50mm, Cable models - 0.13mm						
Harness Connector	Aluminium frame and steel locking pins						
Energy Absorber	Webbing: Vectran/polyester; Cover: Polyester and nylon fabric; Stitching: Polyester thread						
Karabiners/Hooks	Double Action Snap Hook: 19mm gate opening, 16kN gate, 23kN body, Steel Triple Action Karabiner with captive eye: 20mm gate opening, 16kN gate, 22kN body, Steel Double Action Scaffold Hook: 63.5mm gate opening, 16kN gate, 22kN body, Aluminium						
Components	Housing: Super tough nylon, UV resistant; Drum: Aluminium alloy; Fasteners: Zinc plated alloy steel screws, stainless steel rivets; Locking Pawls: Stainless steel; Main Shaft: Stainless steel; Motor Spring: Stainless steel; Swivel: Zinc plated steel						
Capacity	141kg						
Arresting Force/Distance	Average Arresting Force = 4kN; Maximum Arresting Force = 6kN; Maximum Arresting Distance = 0.6m or less (when anchored overhead)						
Standards	Meets EN360 & AS/NZS 1891.3						
Compatibility	Compatible for use with all Capital Safety approved components and systems						
Country of Origin	U.S.A.						
Special Instructions/Conditions of Use	Reading User Instruction Manual prior to use is essential						

Kevlar® is a registered trademark of E.I. du Pont de Nemours and Company



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