

**3M** Science.  
Applied to Life.™

# 3M™ DBI-SALA® Nano-Lok™ 2G

## Technical Data Sheet



### Description

Nano-Lok™ is ergonomically designed for ease-of-use and is ideal for direct connection to most harnesses. The extremely compact and lightweight design is virtually unnoticeable on your back, staying out of the worker's way and making it ideal as a lanyard replacement. Whether your application requires single or twin leg configurations, mounting to an overhead anchor or for connection directly to a harness, there are a variety of models to choose from to suit almost any application. Nano-Lok™ locks quickly—stopping a fall within centimetres—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.

Introducing the new 3M™ DBI-SALA® Nano-Lok™ Personal Self-Retracting Lifeline. Trusted for its reliability and durability, the Nano-Lok has long been the workhorse personal SRL of the industry. Our latest version doesn't just match the performance of the outgoing model—it surpasses it and then some. It's sleeker with a more compact design. It's tougher with a longer lasting cover. It's easier and faster to connect.



### Features

- **Fast connection system** Simple, light-weight connector allows backward compatibility.
- **Optional twin pin connector** Easily add or remove Nano-Lok legs without removing the connector from the harness
- **Sleek, durable nitrile rubber energy absorber** New look design minimizing overall size
- **Single -leg anchorage connector** Attaches directly to the back of most harnesses that installs to web, leaving dorsal D-ring open for other equipment or rescue
- **1.8m 19mm Dynema polyester web lifeline** The synthetic lifeline reduces overall weight and the retractable design provides freedom of movement, keeps the lifeline out of the worker's way and reduces dragging, snagging and trip falls.
- **Self-locking snap/ aluminium scaffold hook/ Triple action self-locking karabiner on lifeline** Automatically locks and closes for added safety, and its rugged construction is built to last.
- **Extremely compact, lightweight design** The device is virtually unnoticeable on your back, stays out of the way and can be easily used as a lanyard replacement.
- **Tough and impact resistant thermoplastic housing** Compact and durable housing is designed to withstand the demands of challenging jobsites, it's built to last.
- **Swiveling anchorage loop** Limits lifeline twisting for smoother operation and added worker satisfaction.
- **Quick activating speed sensing brake system** Stops a falling worker within centimetres, providing more protection at low heights. Designed for smooth consistent operation allowing the user to maintain normal work pace and not be interrupted with constant lock ups.
- **High capacity external energy absorber and impact indicator** Specialized built-in external absorption system maintains safe fall arrest forces for users and tools up to 140 kg and provides a visual alert that the SRL has been involved in a fall.
- **Connected safety equipped** A built-in RFID identification tag helps the user record and store information on inspections.
- **Wide variety of configurations available** There are a wide variety of models to choose from to suit almost any application for complete jobsite versatility and flexibility.

## Specifications

### 3M™ DBI-SALA® Nano-Lok™

|                                      |  |
|--------------------------------------|--|
| Capacity                             | 140kg  |
| Brand                                | DBI-SALA®  |
| Sub Brand                            | Nano-Lok™  |
| Size                                 | 1.8m   |
| Connected safety Equipped            | Yes  |
| Lifeline Length                      | 1.8m   |
| Approximate Depth                    | 51.7mm   |
| Working Length                       | 1.8m -1.95m, depending on hook   |
| Average Arresting Force/<br>Distance | Average Arresting Force=<br>4kN<br>Maximum Arresting<br>Distance= 0.6m |
| Country of Origin                    | USA  |
| Standards                            | EN 360 & AS/NZS 1891.3   |

## Maintenance/Cleaning

**Cleaning should be carried out in the following manner:**

- Periodically clean the exterior of the SRL using water and a mild soap solution. Position the SRL so excess water can drain out. Clean labels as required.
- Clean the lifeline with water and mild soap solution. Rinse thoroughly air dry. Do not force dry with heat. The lifeline should be dry before allowing it to retract into the housing.

An excessive buildup of dirt, paint, etc., may prevent the lifeline from fully retracting back into the housing causing a potential free fall hazard.

## Service

SRLs are not repairable. If the SRL has been subject to fall force or inspection reveals an unsafe or defective condition, remove the SRL from service and discard.

## Storage

Store the transport SRLs in a cool, dry, clean environment out of direct sunlight. Avoid areas where chemical vapors may exist. Thoroughly inspect the SRD after any period of extended storage.

## Disposal

Dispose of the SRL if it has been subject to fall arrest forces or inspection reveals an unsafe or defective condition. Before disposing of the SRL, cut the lifeline in half or otherwise disable the SRL to eliminate the possibility of inadvertent reuse.

## Warning

To reduce the risks associated with working with an SRL which, if not avoided, could result in serious injury or death:

- Before each use, inspect the SRL and check for proper locking and retraction.
- If inspection reveals an unsafe or defective condition, remove the device from service and repair or replace according to the User Instructions.
- If the SRL has been subjected to fall arrest or impact force, immediately remove the SRL from service and label the device 'UNUSABLE'.
- Ensure the lifeline is kept free from any and all obstructions including, but not limited to; entanglement with moving machinery or equipment (e.g., the top drive of oil rigs), other workers, yourself, surrounding objects, or impact from overhead objects that could fall onto the lifeline or the worker.
- Never allow slack in the lifeline. Do not tie or knot the lifeline.
- Attach the unused leg(s) of the Harness Mounted SRD to the parking attachment(s) of the harness if equipped.
- Do not use in applications that have an obstructed fall path. Working on slowly shifting material, such as sand or grain, or within confined or cramped spaces, may not allow the worker to reach sufficient speed to cause the SRL to lock. A clear path is required to assure positive locking of the SRL.
- Avoid sudden or quick movements during normal work operation. This may cause the device to lock up.
- Ensure that fall protection systems/subsystems assembled from components made by different manufacturers are compatible and meet
- The requirements of applicable standards, including the ANSI Z359, AS/NZS 1891.4 or other applicable fall protection codes, standards, or requirements. Always consult a Competent and/or Qualified Person before using these systems.

## Ordering Information

| 3M Code     | Model # | Description  |
|-------------|---------|--|
| 70007455226 | 3101330 | Nano-Lok™ Single Leg SRL with Quick Connector & Steel Snap Hook                |
| 70007444188 | 3101331 | Nano-Lok™ Single Leg SRL with Quick Connector & Aluminium Scaff Hook           |
| 70007444196 | 3101332 | Nano-Lok™ Single Leg SRL with Quick Connector & Steel Snap Hook                |
| 70007444204 | 3101333 | Nano-Lok™ Single Leg SRL with Quick Connector & Steel Snap Hook                |
| 70007943502 | 3101335 | Nano-Lok™ Single Leg SRL with Quick Connector & Tripple Action Karabiner       |
| 70007444212 | 3101336 | Nano-Lok™ Single Leg SRL with Cab Mount & Steel Snap Hook                      |
| 70007444220 | 3101338 | Nano-Lok™ Single Leg SRL with Connecting Eye & Aluminium Scaff Hook            |
| 70007455234 | 3101339 | Nano-Lok™ Single Leg SRL with Steel karbiner both ends                         |
| 70007931119 | 3101340 | Nano-Lok™ Single Leg SRL with Stainless Steel karbiner both ends               |
| 70007937330 | 3101341 | Nano-Lok™ Single Leg SRL with Stainless Steel karbiner & Aluminium Scaff Hook  |
| 70007931986 | 3101342 | Nano-Lok™ Single Leg SRL with Tripple Action Steel karbiner & Steel Scaff Hook |
| 70804430034 | 3101343 | Nano-Lok™ Single Leg SRL with Quick Connector & Steel Karabiner                |
| 70804501743 | 3101709 | Nano-Lok™ Single Leg SRL with Aluminium Karabiner & Aluminium Comfort Hook     |
| 70007455242 | 3101345 | Nano-Lok™ Twin Leg SRL with Quick Connector & Steel Scaff Hook                 |
| 70007444246 | 3101346 | Nano-Lok™ Twin Leg SRL with Quick Connector & Aluminium Scaff Hook             |
| 70804506031 | 3101718 | Nano-Lok™ Twin Leg SRL with Quick Connector & Aluminium Comfort Hook           |
| 70804506049 | 3101719 | Nano-Lok™ Twin Leg SRL with Quick Connector & Aluminium Scaff Hook             |
| 70007445672 | 3101521 | Nano-Lok™ Twin Leg SRL with Quick Connector & Steel Scaff Hook -For Hot Works  |
| 70007445680 | 3101523 | Nano-Lok™ Twin Leg SRL with Steel Karabiner & Steel Snap Hook-For Hot Works    |
| 70007455838 | 3101524 | Nano-Lok™ Twin Leg SRL with Quick Connector & Steel Scaff -Hook For Hot Works  |

## Important Notice

To the extent permitted by law, 3M shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by 3M. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

The mounting and use of the product described within this document assumes that the user has previous experience of this type of product and that it will be assembled by a competent professional according to product documentation. Before any use of this product it is recommended to complete some trials to validate the performance of the product within its expected application.

All information and specification details contained within this document are inherent to this specific 3M product and would not be applied to other products or environment. Any action or usage of this product made in violation of this document is at the risk of the user.

Compliance to the information and specification relative to the product contained within this document does not exempt the user from compliance with additional guidelines (safety rules, procedures). Compliance to operational requirements especially in respect to the environment and usage of tools with this product must be observed. 3M (who cannot verify or control these elements) would not be held responsible for the consequences of any violation of these rules which remain external to its decision and control.

Warranty conditions for products are determined with the sales contract documents and with the mandatory and applicable law, excluding any other warranty or compensation.

**3M Australia Pty Ltd**  
**Personal Safety Division**  
 Bldg A, 1 Rivett Road  
 North Ryde NSW 2113  
 TechAssist Helpline: 1800 024 464  
 Customer Service: 1300 363 565  
 Email: techassist@mmm.com  
 Web: www.3M.com/au/ppesafety

**3M New Zealand Ltd**  
**Personal Safety Division**  
 94 Apollo Drive, Rosedale  
 Auckland 0632  
 TechAssist Helpline: 0800 364 357  
 Customer Service: 0800 252 627  
 Email: techassist@mmm.com  
 Web: www.3M.com/nz/ppesafety

3M, DBI-SALA is a trademark of 3M Company.  
 Please recycle. Printed in Australia.  
 © 3M 2019. All rights reserved.  
 AV019443975

