

2022

<u>3NI Fall Protectio</u> Updates



Agenda





CSA Z259.2.2-17 : Self-retracting Devices

Overview:

- Current Standard, CSA Z259.2.2-14 came into effect in 2016 due to testing issues
- Defaulted to Z259.2.2-98
- New initiation date August 1, 2019
- Covers:
 - Self-retracting devices/lifelines (SRLs)
 - Personal fall arrestors/limiters
 - SRLs with retrieval
 - Leading edge SRLs





CSA Z259.2.2-17: Self-retracting Devices

New Classifications:

- Class SRL (self-retracting lifeline)
 - Elevated anchorage to limit free fall to device activation distance
 - Extracted lifeline cannot bear against an edge or surface during an arrest
- **Class SRL-R** (self-retracting lifeline with integral rescue capability)
 - Class SRL device with integral means for assisted rescue (raise/lower function)
- Class SRL-LE (self-retracting lifeline with leading edge capability)
 - SRL is anchored below the elevation of the dorsal D-ring on the worker's FBH
 - Extracted lifeline can bear against an edge or surface during an arrest
- **Class SRL-LE-R** (self-retracting lifeline with leading edge & integral rescue capability)
 - Class SRL-LE device with integral means for assisted rescue (raise/lower function)
 - The device shall operate as both an SRL-LE device and an SRL-R device; not necessarily as both (no CSA-test)





CSA Z259.2.2-17: Self-retracting Devices

Summary:

- Standard took effect August 1, 2019
- All SRL's used below the back d-ring tested to the new Z259.2.2-17 MUST be LEADING EDGE. SRL's tested under the previous standard are still able to be used as they were designed (ie. NanoLok previous SRL's sold under Z259.2.2-14 can still be used 3' below their back d-ring)
- Type 1, 2 & 3 is no longer referred to in the standard this has been replaced with SRL, SRL-LE, SRL-R & SRL-LE-R regardless of their length.
- Recertification has been changed to REVALIDATION. Old standard required recertification to be 2 years from DOM and every year there after. The new standard has 3 new categories – Infrequent/Light, Moderate/Heavy & Severe/Continuous. The inspection interval is now 1, 2 or 5 years based on the 3 categories.
- This revalidation is now based on date the product is put into service and NOT the date of manufacturing.
- IMPORTANT It is NOT up to 3M or our Distributors to determine what revalidation interval the customer must follow. An end user competent person must make this decision.
- SRL's that were made to the previous standard must continue to follow that inspection/recertification criteria (two years from DOM and every year there after)
- Where an SRD is deemed not repairable or access to the mechanicals render the device unusable, the manufacturer shall provide other inspection requirements and a service life for the device in question. Applies to some 6ft -20ft that are not repairable and we will state pre-use inspection and annual written inspection.
- The Competent Person has to know the categories and how to apply them to the product for their company. Equally as important is record-keeping and inspection procedural knowledge, which becomes of paramount importance to companies using SRDs



CSA Z259.2.2-17: Self-retracting Devices

Revalidation:

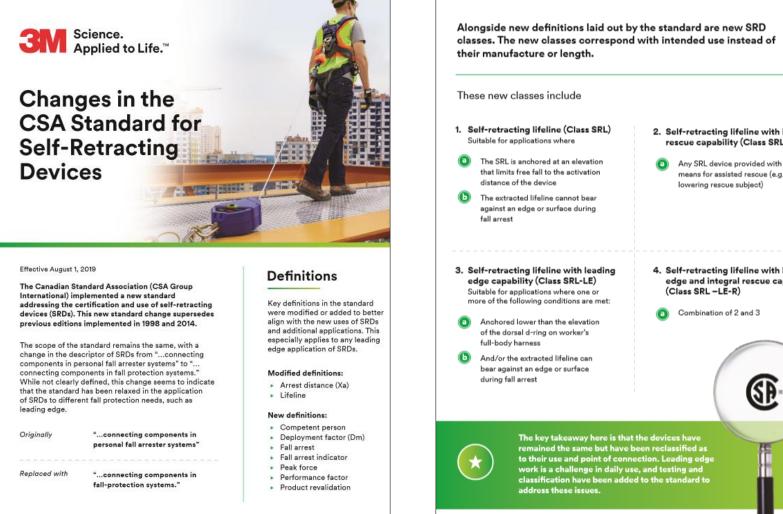
- Revalidation triggers by a Competent Person (CP)
 - Failed daily use inspection (DUI) or failure to complete DUI
 - Failed CP inspection or failure to complete CP inspection
 - Validation period selection by CP
- Non repairables or SRDs not designed for disassembly for service shall:
 - Service life defined by the manufacturer
 - Other inspection details provided by the manufacturer

Inspection requirements for self-retracting devices					
Type of use	Application examples	Example conditions of use	Worker inspection frequency	Competent person inspection frequency	Product revalidation frequency
Infrequent to light	Rescue and confined space, factory maintenance	Good storage conditions, indoor or infrequent outdoor use, room temperature, clean environments.	Before each use	Annually	At least every 5 years but not more than intervals required by the manufacturer.
Moderate to heavy	Transportation, residential construction, utilities, warehouse	Fair storage conditions, indoor and extended outdoor use, all temperatures, clean or dusty environments.	Before each use	Semi-annually to annually	At least every 2 years but not more than intervals required by the manufacturer.
Severe to continuous	Commercial construction, oil and gas, mining, foundry	Harsh storage conditions, prolonged or continuous outdoor use, all temperatures, dirty environment.	Before each use	Quarterly to semi-annually	At least annually but not more than intervals required by the manufacturer.



3M Fall Protection Whitepaper

Access whitepaper here.



2. Self-retracting lifeline with integral rescue capability (Class SRL-R) Any SRL device provided with an integral means for assisted rescue (e.g. raising/ 4. Self-retracting lifeline with leading edge and integral rescue capabilities



Previous Energy Absorber Classifications:

- The energy absorber classifications of <u>E4</u> (Standard Category, 4.0 kN) and <u>E6</u> (Heavyweight Category, 6.0 kN) have been <u>removed</u>; CSA classifications for this no longer exist
- These previous CSA classifications (E4 and E6) basically amounted to 2 worker mass ranges, 2 maximum arrest forces and 2 maximum deployment lengths for energy absorbers, as follows:

Previous Classification	Worker Mass Range	Maximum Arrest Force	Maximum Deployment
E4	100 to 254 lbs	4.0 kN	3.9 ft
E6	200 to 386 lbs	6.0 kN	5.7 ft



Worker Mass Ranges:

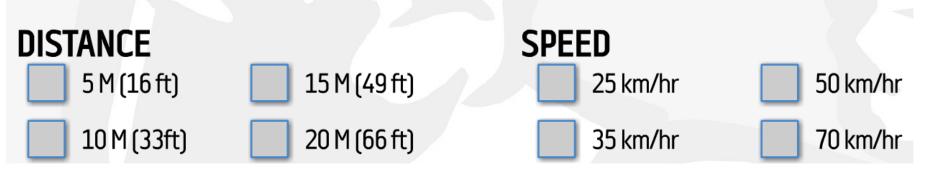
- Under the new Standard, CSA no longer dictates what worker mass ranges are permitted; this is <u>now up to manufacturers</u>
- 3M Fall Protection has determined, based on the 2 types of personal energy absorbers we manufacture, **4 total worker mass ranges are permitted** (2 sets of ranges for each type of energy absorber), as follows:

Energy Absorber Type	1 st Mass Range	2 nd Mass Range	
Shock Pack	121 to 310 lbs (55 -140kg)	176 to 420 lbs (80 – 190kgs)	
Tubular Web	132 to 253 lbs (60 – 115kg)	176 to 385 lbs (80 – 175kg)	



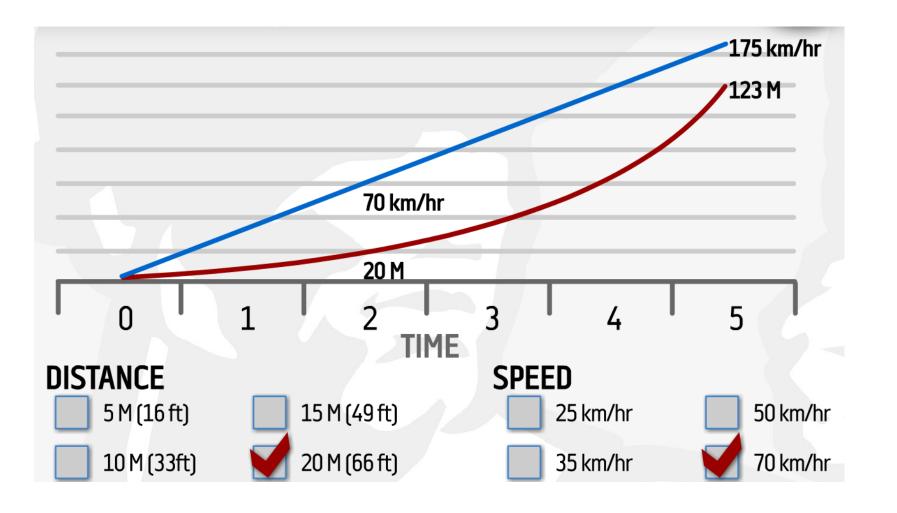
Have you ever experienced or seen someone take a fall?

Based on your impressions, approximately how far and how fast do you think you would free fall in two seconds?



Source: Fall Protection Group, Working At Heights, Ontario Construction Program, V1.0





Source: Fall Protection Group, Working At Heights, Ontario Construction Program, V1.0



New "Y" classification:

- The previous version of the standard did refer to design requirements for a Y lanyard
- It just now has been given its own class designation, to go along with the others: A, B, C, D, E, F
- New design requirement that Y lanyard shall contain at least one energy absorber





Design requirement changes – classes A, B, C & D:

• Class A, B & C lanyard (rope, web & wire rope):

• Modified the design requirements to allow the lanyard to have Class I connectors or integral terminations that may be connected to other fall arrest system

• Class C: wire rope lanyard

- Added a *new* requirement that the wire rope lanyard **shall have an integral energy absorber**
- Construction of the lanyard eyes formed by a bend-back eye with a swage construction was removed; now specifically mentions Flemish eye splices secured with mechanical sleeves
- Covers over mechanical sleeves shall be clear in colour and allow for ease of worker inspection
- Class D: lineman's pole strap
 - Just removed "working positioning lanyard" from the title
- **Note:** no design changes to Class E: chain work positioning lanyard and Class F adjustable work positioning lanyard



Labelling – classes A & B:

- New requirement for all Class A and B lanyards that do not have an integral energy absorber
- The following warning shall be included in the markings: "Warning: For fall arrest, an energy absorber is recommended to be used with this lanyard."





3M Fall Protection Whitepaper

Access the whitepaper here.



Jobs change. Technology improves. Equipment evolves. All of these developments lead to changes in standards.

The CSA Group, one of the largest standards development organizations in North America and a leader in safety certification in Canada and the US, released updated standards in 2017 for personal energy absorbers and lanyards. Standard Z259,11-17 still focuses on industrial and commercial products for fall arrest, but has revisions from the previous version, published in 2005.

What's changing and how do these changes affect workers?

Updates to instructions for use

The most important updates for users of fall protection equipment and their employers are in the instructions for use (section 7 in the 2017 standard). In addition to the information found in the previous standard, the updated standard includes new information on the selection, use and lifespan of fall protection gear, especially energy-absorbing lanyards and horizontal lifelines.

Manufacturers will now be required to include a table, chart or graphic in equipment manuals illustrating the use of energy absorbers based on the user's weight and free-fall distance; this illustration will specify the complete range of weights and distances permitted for the device (N.B. the free-fall distance is defined as the vertical distance travelled by a worker or test mass from the start of a free fall to the initiation of an arresting force).



Les emplois changent. La technologie progresse. L'équipement évolue. Tous ces facteurs mènent à des changements dans les normes.

Le Groupe CSA, l'un des plus importants organismes de normalisation en Amérique du Nord et un chef de file en matière d'homologation en sécurité au Canada et aux États-Unis, a publié en 2017 une mise à jour des normes relatives aux absorbeurs d'énergie et aux longes personnels. La norme Z259.11-17 est toujours axée sur les produits antichutes industriels et commerciaux, mais la version précédente qui a été publiée en 2005 a fait l'objet de révisions.

Qu'est-ce qui change et comment ces changements affectent-ils les travailleurs?

Mises à jour des directives d'utilisation

Les mises à jour les plus importantes pour les utilisateurs d'équipement de protection contre les chutes et leurs employeurs sont les directives d'utilisation (section 7 dans la norme de 2017). En plus des renseignements contenus dans la norme précédente, la norme mise à jour comprend des nouveaux renseignements sur la sélection, l'utilisation et la durée utile de l'équipement de protection contre les chutes, plus précisément pour les longes amortisseur de choc et les lignes de vie horizontales.

Les fabricants devront maintenant inclure un tableau et un diagramme ou un graphique dans les guides d'utilisation de l'équipement pour illustrer l'utilisation des absorbeurs d'énergie en fonction du poids et de la distance de chute libre de l'utilisateur, de sorte à préciser l'étendue complète des poids et des distances autorisés pour le dispositif en question. (Remarque : La distance de chute libre se définit comme la distance verticale parcourue par un travailleur ou une masse d'essais depuis le début d'une chute libre jusqu'au début d'une force d'arrêt.)



CSA Z259.2.5-17 Fall Arresters & Vertical Lifelines

Major changes – New Classifications:

- New effectivity date June 1, 2019
- Manual Fall Arrestor
 - Adjusts synthetic rope length with manual intervention
 - Dorsal attachment/ ideal for restraint
- Synthetic Rope Fall Arrestor
 - Automatic travel on the rope
 - Dorsal attachment
- Wire Rope Fall Arrestors
 - Automatic travel on wire rope
 - Ventral attachment
- Changes to manuals to match



CSA Z259.2.5-17 Fall Arresters & Vertical Lifelines

Major changes – New Classifications:

- Integration of connectors is mandatory
 - Prevents use of 6' lanyard
 - 30" dorsal connectors
 - 9" ventral connectors
 - Most will have energy absorbers
 - AAF of 6 kNs (1350 lbs)
 - MAF of 8 kNs (1800 lbs)



- All devices must be sold/used on the lifelines on which they were tested
 - Outside venders can test if they wish to sell for our rope grabs
 - Cannot purchase and install lifelines which are uncertified
 - Lower end of the lifeline shall be terminated



CSA Z259.13-16 Manufactured Horizontal Systems

Overview:

- 60 foot systems continual
- 2 users maximum
- No intermediates
- With an energy absorber
- Published loads
- No deviations

Ontario

Systems (all) must be accompanied by drawing

- 1. Designed by an engineer (Z259.16)
- 2. Standard or custom
- 3. Arrangement of design
- 4. Component list
- 5. Number of users
- 6. Instructions for installation
- 7. Design loads: installed under the guise of a P. Eng. or designated competent person

Quebec

Systems (all) must be accompanied by drawing

- 1. Designed by an engineer in accordance to Z259.16
- 2. Arrangement of design
- 3. Component list
- 4. Number of users
- 5. Design loads
- 6. Instructions for installation: installed under the guise of a P. Eng.



Full Body Harnesses Summary of changes in CSA Standard Z259.10-18

CSA Z259.10-18 : Full Body Harnesses

Overview:

- Definitions & references
- New harness class "Class R"
- Arc-flash & ASTM standard F887-16
- Controlling shoulder strap separation
- More guidance info for test sample changes



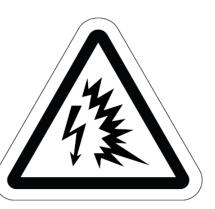
CSA Z259.10-18 : Full Body Harnesses

Class R – Arc-resistant:

- "Class R full body harnesses are designed to provide protection for workers who could be exposed to thermal hazards of momentary electric arc or flame."
- "In addition to the connector required for Class A, Class R may be included with any other class configurations permitted by this Standard."

Shoulder strap separation:

 Added a new requirement to ensure all full body harnesses permanently incorporate a waist belt or back strap or other means of controlling the separation of the shoulder strap on the back of the full body harness.





CSA Harness D-Ring Classifications





Class A: Fall Arrest

Class P: Positioning



Class L: Ladder Climbing

Class E:Limited Access

Class D: Suspension &Descent

Class R: Arc Flash















Agenda





3M[™] DBI-SALA[®] Nano-Lok[™] SRL: Next Generation

Description: Next generation Nano-Lok[™] Personal SRL no sku change

** Now replaces the Protecta Rebel models

Product Features/Benefits:

- Compact housing (30% smaller)
- As low as 4 ft. required fall clearance
- 60% faster to connect to a harness versus previous version
- Built In RFID tag
- Durable shock pack cover to support job site realities
- Smart braking system, 89% fewer intentional lock ups

Nano XL versions

- 9ft, 11ft, 20ft options in web
- 15ft. Cable options
- As low as 6ft. required fall clearance

- Overhead work?
- Require LE?
- Limited fall clearances?
- Single leg or twin leg?
- Durability concerns?



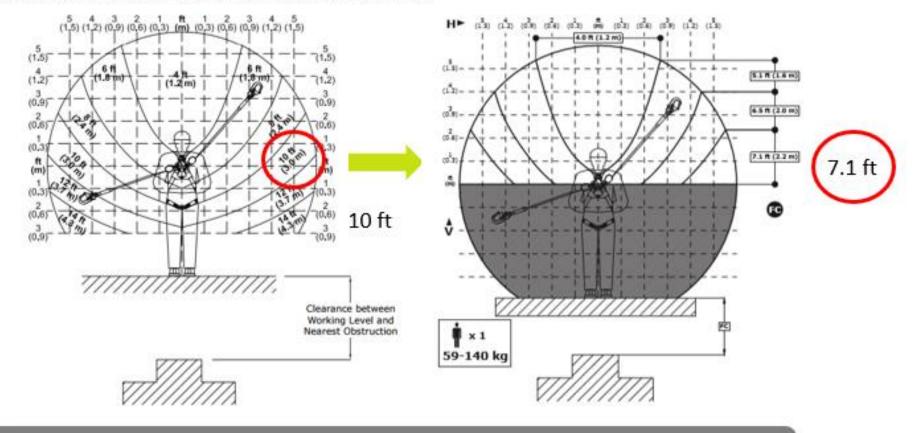


3M[™] DBI-SALA[®] Nano-Lok[™] SRL: Next Generation

1st Generation Nano-Lok

2nd Generation Nano-Lok

Clearance required in feet (meters) between Working Level and learest Obstruction for User with Total Weight up to 310 lbs (141 kg)



A reduction in clearance requirements! No tie-off below dorsal D



3M[™] DBI-SALA[®] Fixed Ladder SRL Anchor

Key value proposition:

- Ease of use: quick set up and easy to use
- Durable for multiple permanent/temporary placement
- Anchor points are designed to work with 3M[™] DBI-SALA[™] and Protecta[™] SRLs
- Compatible with existing full-body harness
- Lightweight solution

Learn more about this solution here.





New Lad-Saf ladder Climbing System





3M[™]DBI-SALA® Flexiguard

Modular Jib System Models Overview





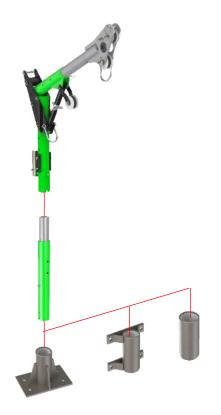




3M[™] Fall Protection Configurator

Download today on the App Store or Google Play.

Configure



Visualize





Share







Applications – Municipal Services



- Wastewater
- Water Treatment
- Garages / Shops
- Traffic/Street Lighting
- Telephone
- Public Works
- Transit



- Do you have confined spaces?
- Do you work on top of mobile equipment?
- Do you have an overhead crane?
- How many people do you need on the system?
- What is the fall clearance?
- Do you have a rescue plan?





Applications - Transportation



- Flat Decks
- 53' Trailers / Tankers
- Fixed locations
- Portable
- Lay-down areas
- Construction projects
- Tarping stations
- Agriculture (feed, farm)
- Is this indoor or outdoor application?
- How many workers required on the system?
- Does it need to be portable or permanent?
- Fall clearance? Total coverage of system?
- Do they get onto the load to tarp/secure the load?
- Do they enter the tank, samples, connect/disconnect on top?
- Do they require ladder access and rescue?







Applications – Construction, Industrial, Mining, O&G





How many people on the system? Do you need to take this through a door? Do you need an adjustable anchor height? What type of counterweight base? Does it need to be portable? Do you have other applications where this can be used? How many sites can use this? Any limitations (crane, doorway, surface, space)?

- Shops
- In-door / outdoor
- Gravel / concrete
- Underground
- Pits
- Service contractors
- Brandt, Komatsu, Cat
- Assembly, maintenance
- Manufacturing
- Pharma
- Gas transmission/pipeline

3M

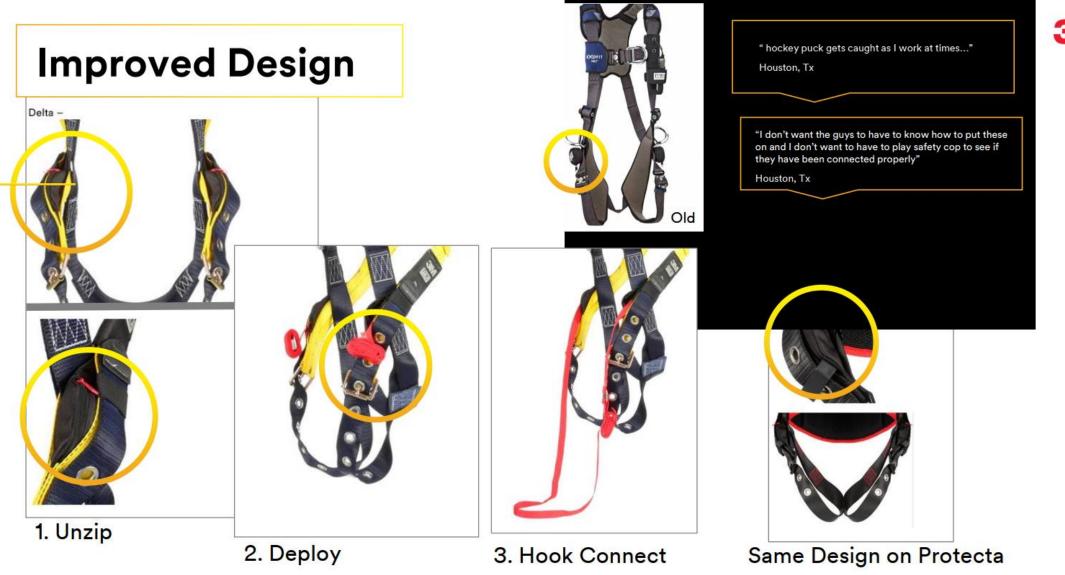




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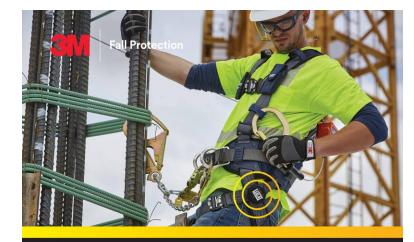
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2021 Suspension Trauma Integration





2021 Suspension Trauma integration



Stand with us

to help reduce suspension trauma.



Suspension Trauma Safety straps can help prevent suspension trauma.

> Helps relieve pressure applied to arteries and veins around the top of legs after a fall.

Leg Circulation

Heart Circulation Helps reduce anxiety and the onset of shock which prevents an increased heart rate.

Brain Circulation Recirculates blood flow to the brain, helping reduce the chance of going into

cardiac arrest, having

brain damage, or death.

SALA Fall Protecti

You're prepared to arrest the fall, but are you ready for the rescue?

A prevented fall is a complete success and the ultimate goal when working at height. An arrested fall can also be considered successful if significant harm is immediately avoided, but it's only part of the process. What happens next is just as crucial - a prompt rescue.

Suspension trauma—why every minute matters.

When a fallen worker is suspended for too long, their harness leg straps may constrict their veins, reducing the flow of oxygenated blood to their heart, brain and kidneys. Not every worker will experience suspension trauma, but for those who do, it can lead to unconsciousness and possibly death.

Factors that can contribute to suspension trauma.

Health - A worker with a pre-existing cardiac condition could be at greater risk.

Harness - The type and fit of harness may put a small amount of pressure on the ribs, which may help alleviate pressure on the arteries.²

Immobility and Gravity - A worker who is unable to make any movements with their legs is at greater risk.

Age - Older workers are possibly at an elevated risk due to less responsive arteries and veins and a less robust heart.4

Dehydration & Exhaustion - These conditions increase the chance and speed of suspension trauma occurring?

What do Canadian authorities say?

"If there is a risk due to falling in the workplace, an employer should have an adequate fall protection plan which includes an emergency plan to rescue a suspended worker whose fall has been arrested. The CSA standard for Full body harnesses, CSA Z259.10-18, states: "Where a suspension trauma strap is used, the manufacturer's instructions need to be followed to ensure that injury due to suspension trauma is reduced to a minimum." ⁵

What's 3M[™] DBI-SALA[®] Fall Protection doing about it?

Suspended workers are at risk of suspension trauma while awaiting rescue—unless they have a harness with suspension trauma safety straps to help reduce it. That's why we're adding this valuable feature to all 3M" DBI-SALA® Fall Protection Harnesses. Together with Construction Industry Safety Initiative (CISI), we're committed to increasing the awareness of the danger of suspension trauma in the construction industry.

Are you ready to take a stand with us?

It's easy to get started:

 Upgrade and save on fall protection when you trade in or trade up with 3M " DBI-SALA® Fall Protection at 3M.ca/FallProTradeUp

1. OSHA Safety and Health Information Bulletin, SHIB 03-24-2004, updated 2011

2. Heiso, H: Turner, N: Whisler, R: Zwiener, J. "Impact of Harness Fit on Suspension Tolerance," Human Factors, June 2012 3. OSHA Safety and Health Information Bulletin, SHIB 03-24-2004, updated 2011.

4. Reynovich, W. "Dangerous Suspension: Understanding suspension syndrome & prehospital treatment for those at risk,"

Journal of Emergency Medical Services, Volume 32, Issue 8.

5. C8A Z258.10-18. Annex 8.4 a

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Introducing a New Generation of 3M™ DBI-SALA® ExoFit™ X-Series Harnesses

Over six decades ago, we began our commitment to help protect those working at height with innovative technology, high-quality products and comprehensive education and training. Today, that commitment shines brighter than ever with our latest line of harnesses designed to optimize worker safety, comfort and productivity.

Available in the following styles in each series:



Vest



Construction Weight Distribution*



Tower Climbing



0-900

Wind Energy**



Retrieval

......



Oil and Gas



3M[™] DBI-SALA[®] ExoFit[™] X-Series: Patented Features

3M Patented Solutions developed for customer-centric priorities.



Revolving Torso Adjusters*

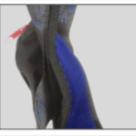
Does not allow webbing to slip out of adjustment unintentionally.

X300 | X200 | X100**



Personal SRL Adapter* Connect personal SRLs to harnesses with confidence and ease.

X300 | X200 | X100



Suspension Trauma Relief Straps*

Integrated low-profile design between harness webbing—the first step to enhancing rescue plans. x300 | x200 | x100



Anti-Slide Dorsal D-ring Pad

Helps greatly reduce dorsal D-ring slide with increased webbing contact.

X300 | X200 | X100









Weight Distribution System*

Relieve shoulder stress and fatigue by redistributing weight away from the shoulders and spine.

X300" | X100"



Conveniently connect faster and easier vs. industry standard 'non-stand-up' dorsal D-rings. —enables efficient dorsal D-ring connections. x300 | x200^{**}

Auto-Locking Quick-Connect Buckles*

Secure-fitting buckle helps maintain fit, greatly reduces buckle slide.

X300"

Dual-Locking Quick Connect Buckles*

Locking mechanism secures buckles in place to maintain comfortable harness fit.





Fall Protection for Tools



Fall Protection for humans is about **you.** Fall Protection for Tools is about **those around you.**



Safety

- Death
- Injury



Why care?

Productivity

- Work Stop
- Retrieval

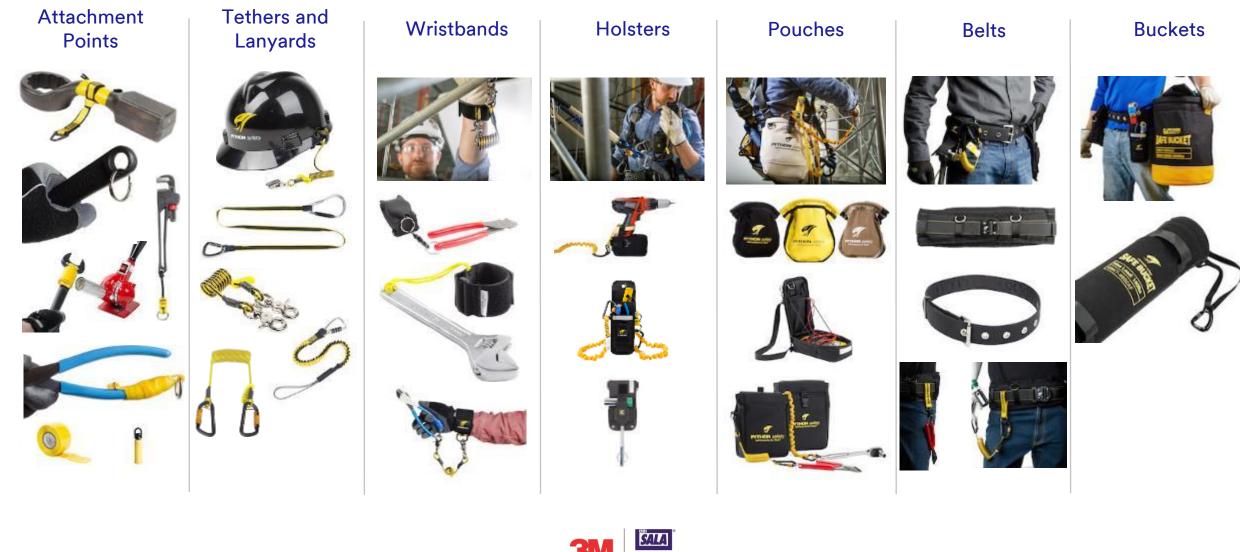


Systems

- Downtime
- Maintenance Cost



Use the right tool for the job



Fall Protection

for Tools

Dropped object prevention planning

- Important to have a plan to devise solutions to address objects/assets/tools at your site
- As leaders in fall protection and dropped object prevention we are here to assist you in developing a site specific plan





Legislation and Regulations

- No CSA standard exists currently
- US ANSI/ISEA 121-2018, 125-2014 & OSHA
- Provincial legislation
 - Ontario



- Occupational Health & Safety Act RSO 1990 (December 2016)
- Regulation 851 Industrial Establishment and Construction Projects Ont Reg 213/91
 - Duties of workers....use or operate any equipment, machine, device or thing or work in a manner that may endanger himself, herself or any other worker
 - Material, articles or things shall be lifted, carried or moved in such a way and with such precautions and safeguards, including protective clothing, guards or other precautions as will ensure that the lifting, carrying or moving of the material, articles or things does not endanger the safety of any worker



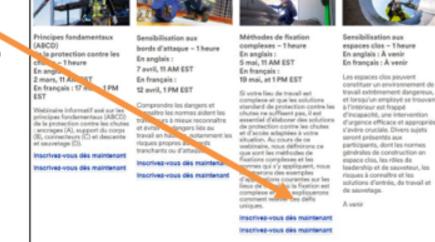
2022 Webinar Series

		Leading Edge	Dropped Objects	Challenging Tie-Offs	Confined Space	3M Fall Innovations
English Sessions	Date	April 12	May 19	June 8	July 20	September 14
	Time	1pm EST	1pm EST	1pm EST	1pm EST	1pm EST
French	Date	April 14	May 26	June 14	July 21	September 15
Sessions	Time	1pm EST	1pm EST	1pm EST	1pm EST	1pm EST

Canadian Sessions:

- English sessions: <u>https://engage.3m.com/FallProtectionWebinarsCA</u>
- French sessions: <u>https://engage.3m.com/FRFallProtectionWebinarsCA</u>
- Register for each session at individual links
- Automated email will be received upon form submission with link to add the session to your calendar

Joignez-vous à l'équipe de protection contre les chutes de 3M pour des séries d'opportunités d'apprentissage en ligne!





Sessions Overview

Leading Edge Awareness – 1 hour

Understanding the hazards and knowing the standards helping workers better recognize and avoid the hazards of working at height—including the specific risks associated with sharp and leading edges.

Dropped Objects Awareness – 1 hour

Almost everyone has dropped a tool or seen a tool dropped on a jobsite. This session will highlight the importance of fall protection for our tools which can help protect other people, increase productivity, and keep our property safe and secure.

Challenging Tie-Offs – 1 hour

During this webinar we will define what challenging tie-offs are and their applicable standards, show common worksite application examples, and walk through a blueprint of how to address these unique challenges.

Confined Space Awareness – 1 hour

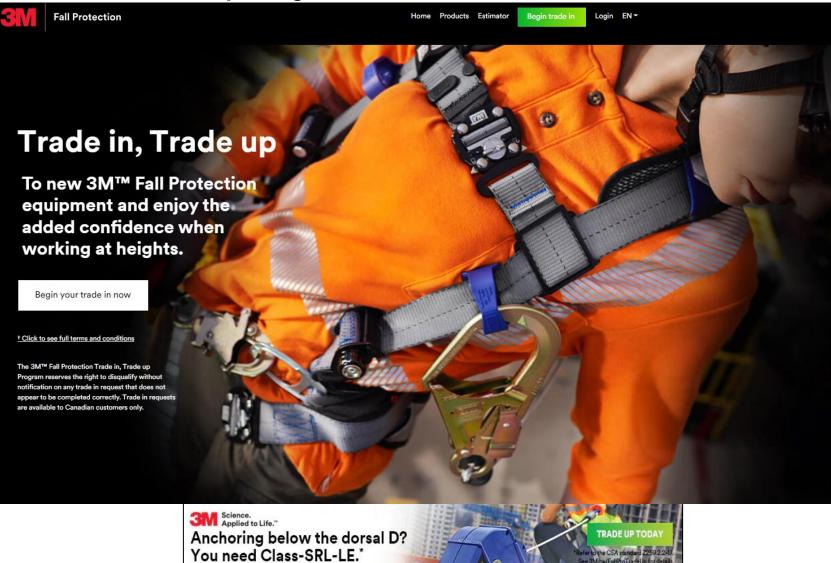
Confined spaces can be an extremely dangerous work environment, and when a worker inside becomes incapacitated, the need for proper, efficient, and effective emergency response is critical. Attendees are introduced to the General Construction Confined Space Standards, Leadership and rescuer roles, Hazards to be aware of and Entry, Working, and Rescue Solutions.

3M Fall Innovations – 1 hour

This session will explore the history of 3M Fall Protection and how feedback from our end-users and emerging technologies have shaped our fall protection offering.



3M Fall Protection: Trade In / Trade Up Program



Watch the instructional video <u>here.</u>



Agenda





Summary

Key changes to several of the CSA standards that will affect the marketplace:

- SRL classes & revalidation timelines
- Class SRL-LE requires tie off below dorsal d-ring
- Energy Absorbers have new weight classes
- Class R Arc Flash for F.B.H
- Ropes & Rope grabs, must work together, 30" max. lanyard

New Product Launches:

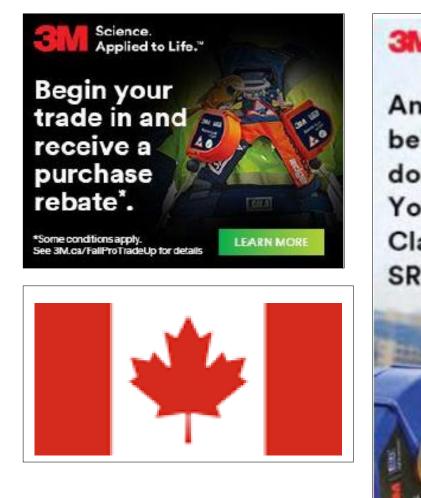
- 3M[™] DBI-SALA[®] Nano-Lok[™] SRL: Next Generation
- 3M[™] DBI-SALA[®] Modular Unit Standard
- 3M[™] Fall Protection Configurator
- 3M[™] DBI-SALA[®] Fixed Ladder SRL Anchor
- New Integrated Suspension Trauma Straps



Summary

Key programs / assets:

- Trade-in / Trade-up program
- STS Integration
- Configurator AR App
 - 9 Fall Protection Specialists
 - Bilingual customer service support:
 - 1 800 387 7484 / 3mfallprotection-ca@mmm.com
 - Technical Department:
 - 1 800 387 7484
 - Town Square: <u>www.3m.ca/townsquare</u>





Science.



Science. Applied to Life."

Thank you

Trevor Stein – Fall Protection Specialist

Jon Tenn – Regional Safety Specialist Rachel McCormack – Regional Safety Specialist