

Fall Protection for Concrete High-Rise Construction



Guardrail | Travel Restraint | Fall Arrest

About Our Company

Metro Safety Rail (MSR) was established in 2013 bringing decades of "leading edge" Fall Protection experience to the concrete high rise construction sector.

Our patented Canadian made solution is CSA Z259 & ANSI Z359 compliant.

MSR provides all 3 of the required modes for Fall Protection with 1 system making it unique in the industry.

Cost Effective | Easy to Install | Simple to Use



Our Vision

To meet or exceed global fall protection standards through innovation, testing and training.



Our Mission

We convey our shared vision in a culture of safety, mutual respect, transparency and open communication.

On the Truck | At the Worksite

Our innovative "RTC" Rail Transport Cage is **Engineered and Certified for Overhead Hoisting** so the "RAIL" can be safely staged wherever its needed.

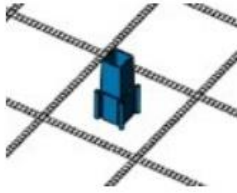


The "LLTB" Life Line Transport Bin is **Engineered and Certified for Overhead Hoisting**. The Horizontal Life Lines and Hardware can be safely and securely staged wherever needed.



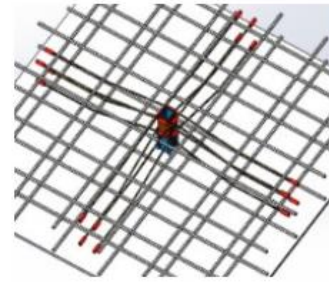
| Simple to Use |

HARDWARE TRANSPORT BIN

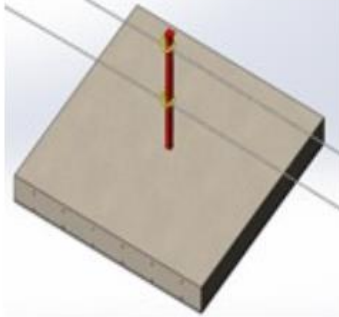


In the Slab

Polyurethane Inserts and Reinforcing "Spiders" are strategically placed in formwork around the perimeter at specified locations in the slab.



| Easy to Install |



On the Slab

After the concrete has cured:

- Protective Caps are removed
- Stanchions are inserted
- Braided Wire Rope is installed and tensioned

Braided Wire Rope and Stanchions create a Perimeter **Guardrail**, workers and visitors don't need Fall Protection Equipment when inside the "Safe Zone".

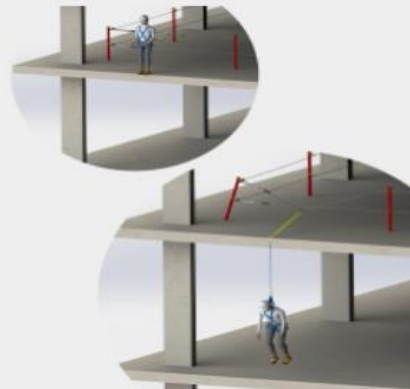
| Cost Effective |

Beyond the Guardrail



Travel Restraint mode occurs when a worker is between the **Guardrail** and the Leading Edge. Multiple workers can tie off on each Energy Absorbing Horizontal Lifeline on each Leading Edge.

Fall Arrest mode occurs when a worker's center of mass could go beyond the Leading Edge. By design, the system absorbs energy helping to minimize injury should a fall occur.



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How It Works

The Metro Safety Rail System can be integrated on any floor slab prior to pouring the concrete. Steel posts are inserted into sockets that are permanently embedded in the slab. Braided Wire Rope is attached to the posts creating 2 Energy Absorbing Horizontal Lifelines and a Guardrail adjacent to each Leading Edge. The system is easily configured and can be moved from floor to floor as construction progresses.

Fall protection equipment and site-specific training are required when working beyond the Guardrail.

Competent Person Training is included with the MSR solution.

Value

Our capital efficient business model keeps costs low. The upfront purchase includes everything that's needed to get started. All the reusable components are rented as required. The "RAIL" can be removed from lower floors and then redeployed to upper floors as construction progresses. Metro Safety Rail inherently simplifies operations helping your projects run safely and efficiently.

Purchase includes:

- Inserts and Spiders
- Procedures for Installation
- Training for Users & Installers

Rental includes:

- The above slab components
- 3/8" braided wire rope assemblies and stanchions
- Inspection before and during each job

Training

Metro Safety is proud to be partnered with Elevated Insight and Engineering Limited.



Cost Effective | Easy to Install | Simple to Use

Leadership



Dale Kermociev

*Founder, Senior Vice President
dale@metrosafetyrail.com*



Doug Potts, MET

*Director of Operations
doug@metrosafetyrail.com*

Get In Touch

+1.403.276.1000

info@metrosafetyrail.com

<https://www.metrosafetyrail.com>

