

TRI

INDUSTRIAL SERVICES LTD

The most
versatile
Fall Protection
System...
EVER



T-LINE SAFETY SYSTEM

In Brief

Innovative Design

2 lifelines on separate spools
Self Retracting, Self Locking

Quick and Easy Installation

Span up to 24m
No Tensioning or Adjusting required
on 12m, minimal adjustment on 24m
Suitable for permanent or temporary
installations

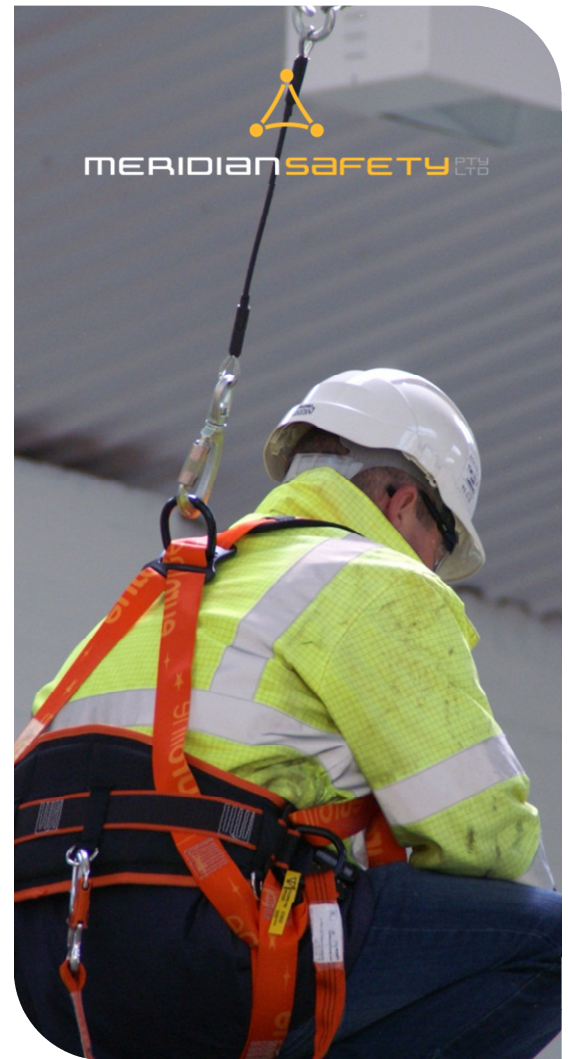
Safe, Hands-Free Movement

Along platforms and walkways
Access to work areas
Continuous protection

Increased Safety

Reduced fall distance compared
with standard equipment
Reduced swing fall risk
Integrated rescue system

Meets EN360 requirements



T-LINE SAFETY



An Introduction to the T-LINE Safety System

A REVOLUTIONARY NEW DEVICE FOR USE IN THE FIELD OF FALL PROTECTION.

The system offers a level of versatility and safety that is unmatched by any other temporary fall protection system.

The T-Line Safety System is a device that facilitates both horizontal and vertical movement offering unprecedented levels of freedom for the user.

Just as suited to situations that require only horizontal or vertical movement, the T-Line Safety System is perfect for users with varied and often changing fall protection needs.



Why choose the T-LINE?

Ease of use

Rapid Install
Single Connection
Multiple installation options

Increased Safety

Reduced clearance requirements
Fast locking speed
Ease of use ensures user adoption

Cost reduction

No need for additional SRL
Reduced maintenance
10 year Life Cost is lower than comparative products.

Integrated Rescue

Integral Winch ensures rescue is quick and easy.



Low Arrest Distance

Bypass Obstacles



Multiple Levels and confined space access

Ground up access



MERIDIAN SAFETY



Applications

The T-Line can be used in a variety of applications including:

1. Tanker Wash Bays
2. Truck Loading
3. Conveyor Belt Safety
4. Manufacturing
5. Maintenance
6. Access
7. Construction
8. Confined Space
9. Telecommunications
10. Aerospace

Its unique design means that it can be used where traditional fall protection devices cannot.

Allowing the user to move freely in all directions while also passing obstacles means that the T-Line prevents the risk of a fall while not connected during transfer from one system to another.

The extremely low fall arrest distance mean that the T-Line can be configured to provide fall protection even when working in low areas such as on a flat bed truck.



Tank Repair

Case Studies



Access is required to the tanker top and sides. Low fall arrest distances are obviously required and ease of movement is paramount.

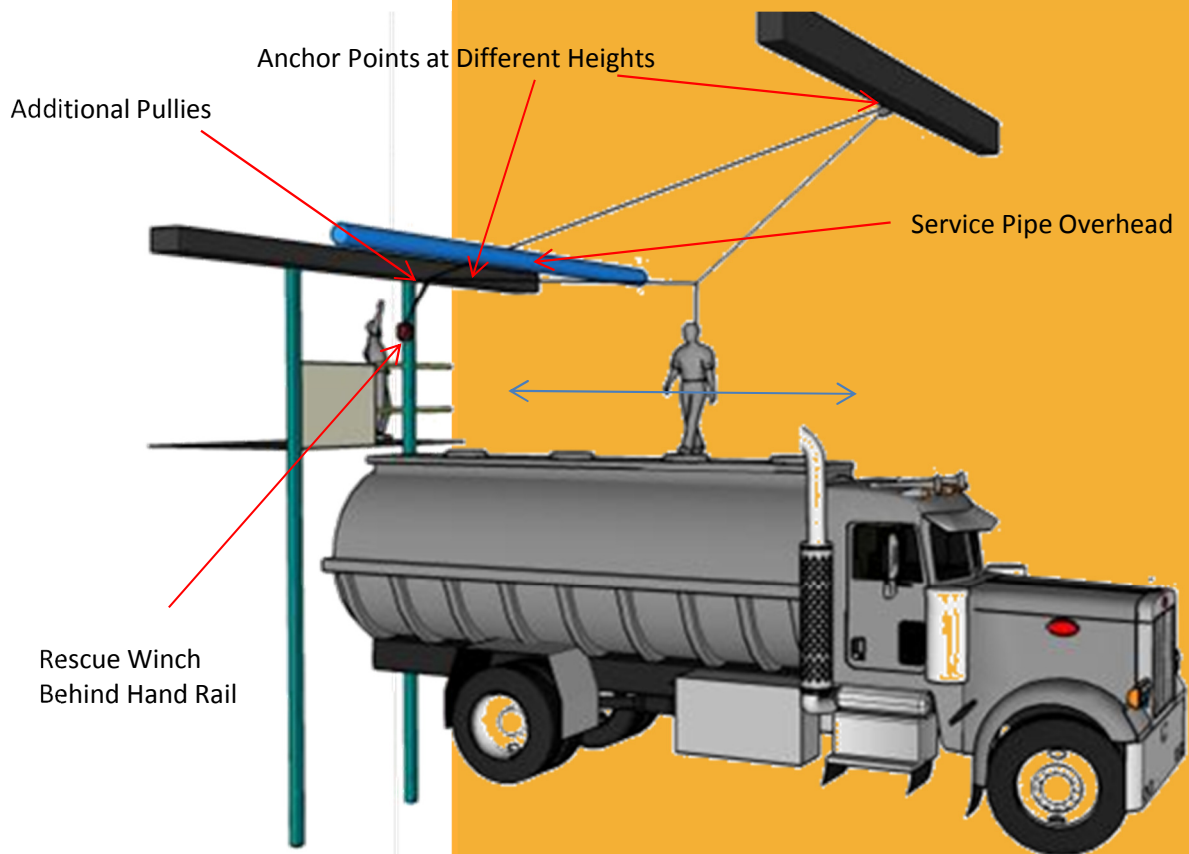
Being able to move the T-Line to any area or orientation within the building means that the vehicles can be positioned anywhere, using the prime position depending on the work required.

Beam Clamps are used to ensure rapid installation, and the T-Line means that Fall Protection is given from the ground up.



Case Studies

Tanker Access



Access is allowed from the secure gantry across the tanker back.

The different heights of the anchor points pose no problem.

Access and rescue is also provided while inside the tank.

The T-Line is mounted in the barrier secured area using re-direction pulleys, meaning rescue can be performed safely.



Truck Wash

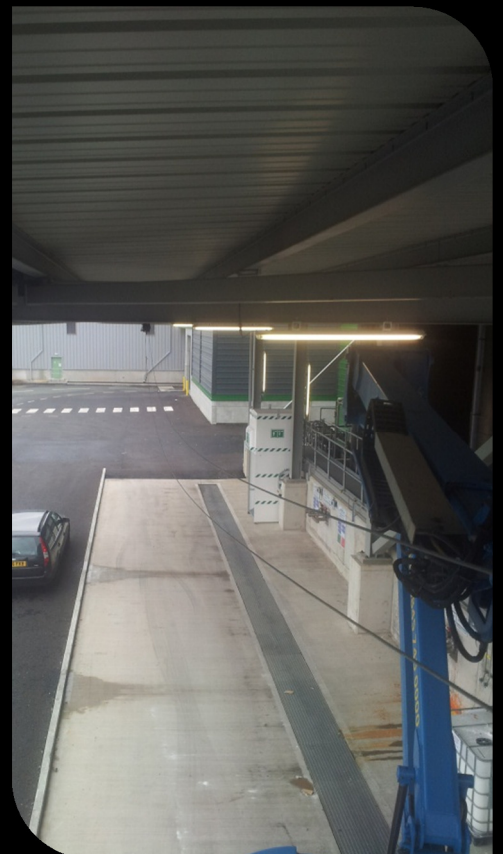


Working in a truck wash station means that low heights dictates a short fall arrest distance.

Allowing full access along the entire vehicle using the 24m T-Line the worker can also, if required enter the vessel and still be protected.

Allowing full safety from the ground up, and minimal installation time and materials the workers were provided fall protection within 2 hours.

The twin cables are separated when not in use to ensure that the lower cable could not be accidentally caught, reducing damage risk.



Case Studies



T-LINE SAFETY SYSTEM

2150

Case Studies

Maintenance Access



Mining Machines, large vehicles and internal machinery can pose a problem when looking at fall protection.

The T-Line can offer fully versatile protection allowing the worker to be secured on many different types of vehicle.

When installing for maintenance on static machinery the T-Line allows protection from the ground up, and ease of access across awkward shapes and long spans.



Truck Loading

Case Studies



Loading flat bed trucks can be problematic when assessing the fall risk, as standard fall protection would not be sufficient to stop the worker from grounding.

The T-Line can offer this protection, while also allowing the crane to operate within the T-Line cables, something no other system can provide.

The cables can be separated and allowed to retract up to the ceiling so that the crane is free to enter or exit the area where the T-Line is installed.



Case Studies

Construction



When edge protection is to be removed to allow cladding to be installed the T-Line can be used to provide easy to use fall protection.

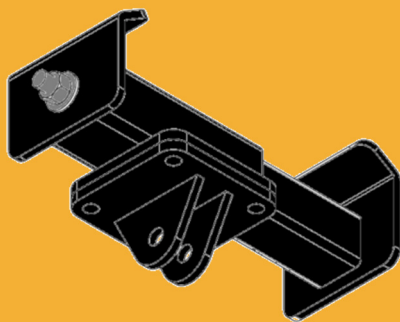
Using anchorage points along the edge of the building the T-Line can be moved along as the cladding is installed.

Access to cabins and temporary structures can be afforded using the T-Line, meaning access to areas where permanent fall protection cannot be provided is made easy.



The T-Line range of anchors are specifically designed to give the maximum ease of installation, prevent the T-Line from swinging and to minimise install time.

Beam Clamp



The T-Line Beam Clamp is adjustable to suit the majority of beam sizes.



Simple to adjust with standard tools the BC also incorporates a bi-directional anchor that can be altered to suit the install.

Anchor Clevis



The T-Line Anchor Clevis can be bolted or welded to the structure, and placed in the perfect orientation for the install.



Specifications

12m

Maximum Span 12m
Maximum Vertical Range
 @ 12m Span = 6m
 @ 6m Span = 12m
Maximum Fall Arrest Distance 1.8m
Maximum Fall Arrest Force 6kN
Anchorage Requirement 19kN
Wire Rope Min Breaking Force 17kN
Wire : 5mm Diameter, 7x19 Strand
Weight 22.5kg

24m

Maximum Span 24m
Maximum Vertical Range
 @ 24m Span = 20m
 @ 18m Span = 18m
 @ 12m Span = 12m
Maximum Fall Arrest Distance 1.8m
Maximum Fall Arrest Force 6kN
Anchorage Requirement 19kN
Wire Rope Min Breaking Force 17kN
Wire : 5mm Diameter, 7x19 Strand
Weight 29kg

Requires a trained installer

Installation

The T-Line must be installed above the user.

The 24m T-Line requires a specially trained installer to perform the installation.

For inclined installations the T-Line should be installed below the pulley.

A maximum of 30 degrees use angle is recommended.

Refer to the installation and user manuals for further instruction.

Installation Height

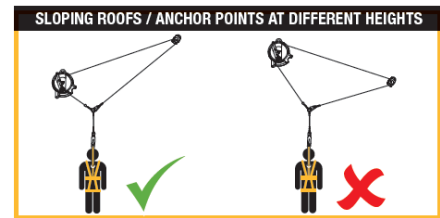
It is recommended that the 24m T-Line is installed at 5m above the work platform when at maximum span to minimise the free-fall and cable intrusion.

The 12m T-Line should be 4m above the platform

Where this is not possible then the T-Line Technical Support Team can advise on installation methods to overcome any issues.

Special Installations

The T-Line can be installed in a large variety of situations. For special requirements please contact the Technical Support Team for advice and guidance.



Installation Notes



T-LINE SAFETY SYSTEM

Model No: T01L
Date of Manufacture:



Notified Body 0321
EN 360:2002

Lanyard: 4.8mm / 3/16"
diameter Galvanized
steel rope

Lanyard Length:

Main Lifeline – 30m / 98'
Pulley Lifeline – 55m / 180'

Max Span: 24m / 80'

Capacity: One person only
Max Arrest Force: 6kN / 1,350lb
Max Arrest Distance: 1.8m / 6'
Standard: ANSI Z359.1 (SRL)

X-LONG
24M/80'
SPAN

THIS
WAY
UP



User Notes



Single Line Mode

The T-Line can also be used in a single line mode. In this configuration the second line must be anchored to the T-Line or separate approved fall arrest anchor point.

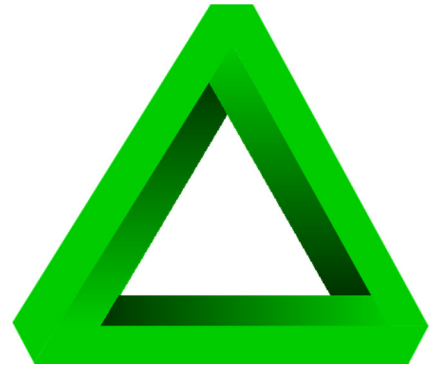


Rescue

The T-Line has an integral rescue system. This device enables the rescue of a worker by drawing them back towards the T-Line device.

This ensures that the fallen worker can be rescued in the shortest possible time and can also prevent additional risk to the rescuer.





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