

The Travflex® is a horizontal lifeline that has been specifically designed for installation on metal roof decks and other lightweight roof structures. It has been designed to seriously reduce loading that is generated by more ridged anchor designs. This is done with the help of specially designed in-line energy absorbers and energy absorbers built right into the anchors themselves. (Not for install on walls or overhead.)

This system provides a permanent engineered solution for your fall protection needs. These permanent systems are designed and installed by Travsafe® certified representatives and have custom designed solutions to meet site-specific requirements. The Travflex® is a hands free system that allows up to 3 users (maximum if conditions allow) simultaneously. The system can be designed to allow unhindered travel for unlimited distances with out the need to disconnect and reconnect at the anchorages.

The Travflex® twin wire rope horizontal lifeline system provides for smooth travel compared to single line systems. The twin wire ropes allow the traveller to sit true and move freely over the intermediate anchors, minimizing wear and eliminating user assistance. The user's hands remain free to accomplish whatever task is required.

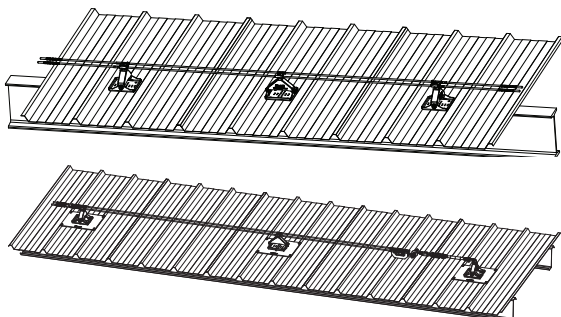
When a fall occurs, the energy absorbers slip or deploy or fold over acting as the visual indicator that something has happened.

**Benefits**

- Permanently installed.
- System length is unlimited and it can go around corners
- Maximum spacing between anchor points is 50 feet (15m)
- Up to three users on one system
- Most installs can be done from the rooftop with out the need to access the underside structure from below.

**Features**

- Can be used for fall arrest or fall restraint
- The twin lines ensure smooth hands free travel over anchors and around corners



- When a fall occurs, the traveller's jaws close tightly around the lines
- All stainless steel parts with the option of galvanized steel wire ropes
- Sold in component parts
- Neoprene waterproof pads to place under anchors and fasteners with gaskets
- Visual impact indication at shock-absorbers
- System has a large tolerance. Anchors can be offset and travel remains smooth

**Applications**

- Roof top fall protection on steel deck roofs (and other types of roofs)
- Building maintenance on rooftops with out guardrails or parapets

**Applicable standards**

- OSHA 1910, subpart D: *Walking and working surfaces*
- OSHA 1910, subpart F: *Powered platforms, manlifts and vehicle-mounted work platforms, appendix C*
- OSHA 1926, subpart M: *Fall Protection*
- ANSI Z359.1 safety requirements for personal fall arrest systems, sub-systems, and components
- Provincial Occupational Health and Safety Act and Regulations
- CSA Z259.16-04: *Design of active fall protection systems*

**⚠ WARNINGS**

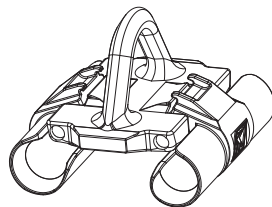
When using a horizontal lifeline system as a fall arrest system, you must ensure that there is enough space below the walking/working surface to fall and not hit anything. Tractel Ltd. can supply you with system deflection if you contact us.

**⚠ WARNING**

This system is an engineered designed system. This means that before any installation commences, a specific technical study of the site must be undertaken. This would include a shop drawing showing the system layout, general notes, connection details and expected loading. These shop drawings are to be reviewed by a professional engineer licensed to work in the state or province that the project is in. A site study may be required if drawings are not available to use when preparing these shop drawing. The shop drawings will also show the total fall height required if the system is designed for fall arrest. Tractel Ltd. or the Tractel Ltd. computer loading program will determine system loading.

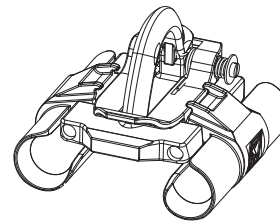
**Travellers**

The Travflex® traveller is a mobile anchor point. It is comprised of two jaws that hold the traveller onto the wire ropes and automatically grip when a fall occurs. The traveller is made entirely out of stainless steel and comes in two models.



**Traveller**

The standard traveller is captive along the lifeline and can only be inserted or removed at end anchors that are found at each end of the system.



**Removable traveller**

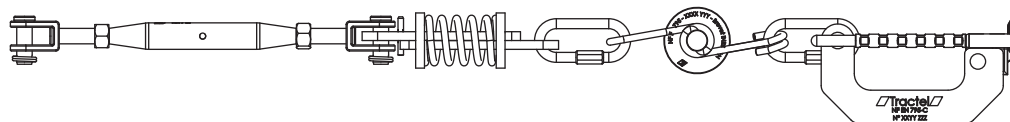
The removable traveller (optional) can be engaged or disengaged anywhere along the lifeline, provided the means of access and egress are safe.

**Bimetal shock-absorbing sleeves**

These are used on one type of end anchor only. Because this system tension is very low, they are not needed at any intermediate or corner anchors. They are designed to reduce the impact force of a fall on the horizontal lifeline. The cables slip thru them when a load is applied.

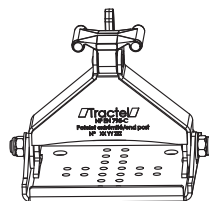
**INRS shock absorber Travflex® kit with tensioner and tension indicator**

This kit is designed to go onto one end of a systems in-lieu of the bimetal shock absorbers and hook onto a special end anchor. You use them when loading on the structure must be reduced the most so think of them as a last resort. You must use them with corrugated roof mounting plate installs. You may need an additional INRS shock absorber if called for by Tractel or the Tractel loading program.



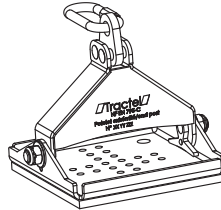
**End anchor for use with bimetal shock-absorbing sleeves**

Use this end anchor for most applications where the loading is acceptable. Use it with the bimetal shock-absorbing sleeves. As an added shock-absorbing feature, the anchor is designed to fold over towards the system in the event of a fall.



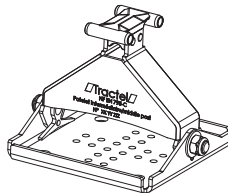
**End anchor for use with INRS shock absorber Travflex® kit**

Use this end anchor when you need to use the INRS kits for maximum shock-absorption. As an added shock-absorbing feature, the anchor is designed to fold over towards the system in the event of a fall.



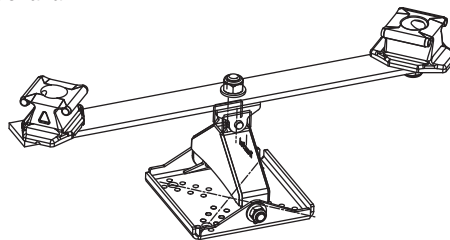
**Intermediate anchor**

Use this intermediate anchor with both types of systems (bimetal or INRS shock-absorber). As an added shock-absorbing feature, the anchor is designed to fold over towards the direction of the fall.



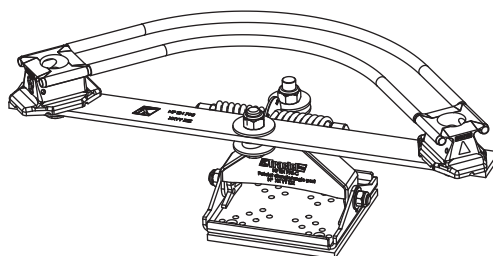
**Corner anchor kit for use with bimetal shock-absorbing sleeves**

Use this corner anchor kit for most applications where the loading is acceptable. As an added shock-absorbing feature, the anchor is designed to fold over towards the system in the event of a fall.



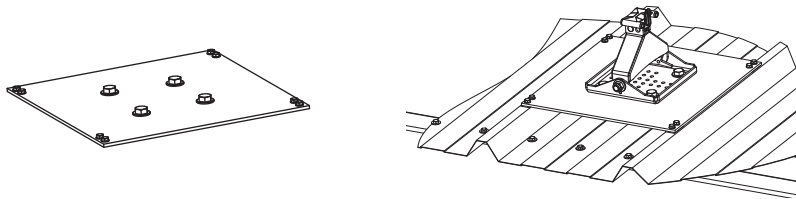
**Corner anchor kit for use with INRS shock-absorbing systems**

Use this corner anchor kit when you need to use the INRS kits for maximum shock-absorption. The kit comes with corner cable guide springs that will keep the wire ropes corner shape. As an added shock-absorbing feature, the anchor is designed to fold over towards the system in the event of a fall.



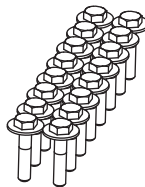
**Corrugated roof mounting plates**

These plates come in many different sizes to fit on the top corrugations. They come with all fasteners and gaskets.



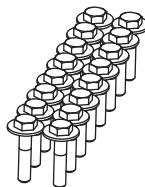
**16 pack of self-tapping screws for use on steel structure  $\frac{3}{64}$  to  $\frac{1}{8}$  in. (1 to 3 mm) thick**

When installing on a steel deck, you may be able to connect the Travflex® anchors directly to roof structure ( $\frac{3}{64}$  to  $\frac{1}{8}$ -in. [1 to 3 mm] thick). Each screw comes with a waterproof gasket.



**16 pack of self-tapping screws for use on steel structure  $\frac{5}{32}$  to  $1\frac{15}{32}$  in. (4 to 12 mm) thick**

When installing on a steel deck, you may be able to connect the Travflex® anchors directly to roof structure ( $\frac{5}{32}$  to  $1\frac{15}{32}$ -in. [4 to 12 mm] thick). Each screw comes with a waterproof gasket.



**System loading and deflection**

Contact Tractel® Ltd. for system deflection and site-specific loading.

