



The Travsafes® horizontal lifeline system provides a permanent engineered solution for fall protection needs. These permanent systems are designed and installed by Tractel® certified representatives and have custom designed solutions to meet the site-specific requirements. Travsafes® is a hands-free system that allows up to three 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 intermediate anchors. Every user must wear shock absorbing lanyard with maximum arrest force of 900 lb. (4 kN).

The Travsafes® twin wire rope horizontal lifeline system provides smoother 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.

FEATURES

- 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 wires
- The Travsafes® system contains relatively few components when compared to other systems
- The system can be supplied with stainless steel anchors and stainless steel or galvanized wire rope
- The system can be secured to walls, floors or ceilings
- The system has a large tolerance for curves
- Anchors can be offset and travel remains smooth
- When properly designed and installed, the system meets all OSHA, ANSI and CSA requirements

APPLICATIONS

- Building maintenance (rooftops without guardrails or parapets)
- Aircraft hangers (overhead systems to service the top of the fuselage and wings)
- Bridges and viaducts
- Oil and gas installations
- Distribution facilities
- Overhead cranes
- Industrial plants

APPLICABLE STANDARDS

- OSHA 1910, subpart D: Walking and working surfaces
- OSHA 1926, subpart M: Fall protection
- ANSI Z359.6-2016: Specifications and design requirements for active fall protection systems
- ANSI A10.32-2012: Personal fall protection used in construction and demolition operations
- CSA Z259.16-21: Design of active fall protection systems

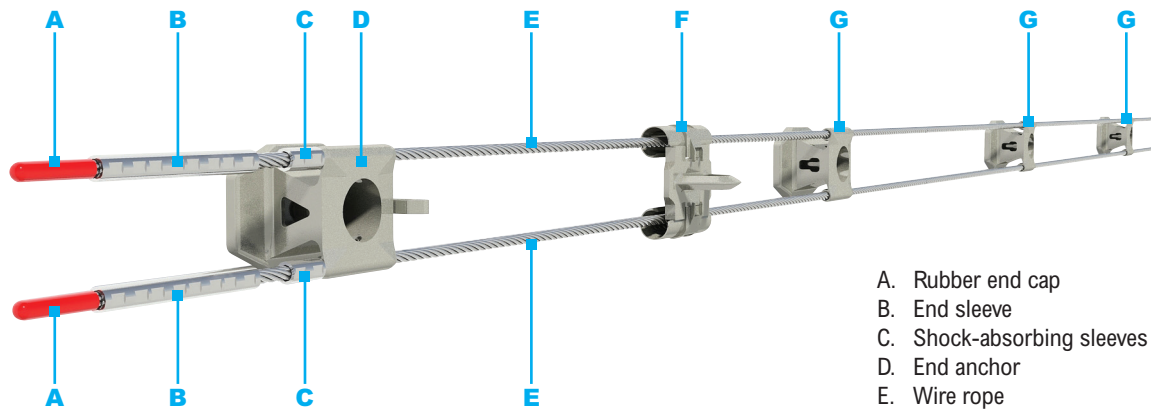
COMPATIBLE PERSONAL FALL PROTECTION EQUIPMENT ALSO REQUIRED

- Full-body harness
- Shock-absorbing lanyard or self-retracting device
- Mounting supports and bolts compatible to the breaking strength of components.

⚠ WARNING

- When using a horizontal lifeline as a fall arrest system, it must be ensured that there is enough space below the walking/working surface as not to hit anything in case of a fall. Tractel® can assist with determining deflection.
- The Travsafes® horizontal lifeline 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 survey may be required if drawings are not available to use when preparing the shop drawing. The shop drawings will also show the total fall height required if the system is designed for fall arrest. Tractel® can assist with system loading.

TRAVSAFE® COMPONENTS



- A. Rubber end cap
- B. End sleeve
- C. Shock-absorbing sleeves
- D. End anchor
- E. Wire rope
- F. Traveler
- G. Intermediate anchor

Not shown: Information plate

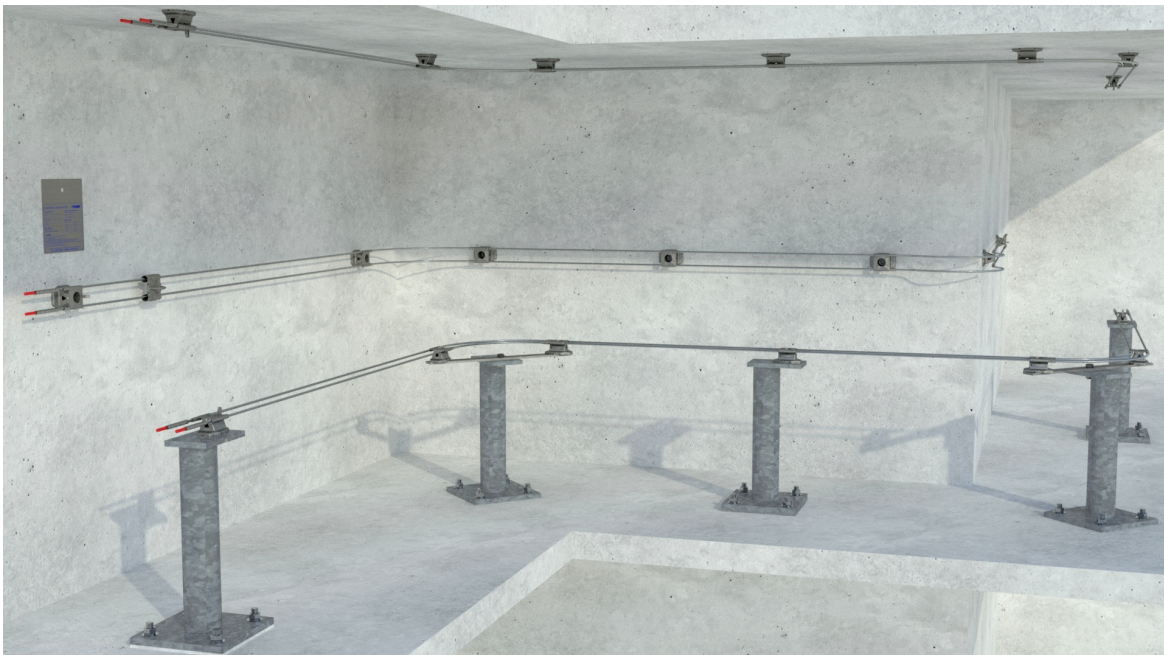
TRAVSAFE® INSTALLATION

Anchors can be mounted on ceilings, walls or floors. A Travsafes® system can incorporate a combination of these mounting methods if designed and installed properly.

When mounted on the wall, a 4 to 6 ft. (1.2 to 1.8 m) distance from the floor is recommended.

When mounted to the ceiling, a maximum height of 50 ft. (15 m) between the user and Travsafes® system is recommended when using retractable lanyards.

When mounted on the floor, it is recommended to place the system clear of the work area yet close enough to minimize the loading from a fall.



Specifications are subject to change without notice. Images are for illustrative purposes only.

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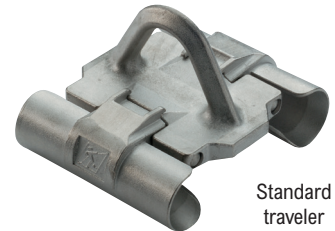
TRAVELERS

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

STANDARD TRAVELER – J300268900

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

- Material: Stainless steel
- Minimum breaking strength: 12 kN (2,697 lb.)
- Size: 3¼ x 3 x 2½ in. (83 x 76 x 63 mm)
- Net weight: 1.3 lb. (589 g)



Standard traveler

REMOVABLE TRAVELER – J300268917

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

- Material: Stainless steel
- Minimum breaking strength: 12 kN (2,697 lb.)
- Size: 3¼ x 3 x 2½ in. (83 x 76 x 63 mm)
- Net weight: 1.4 lb. (635 g)

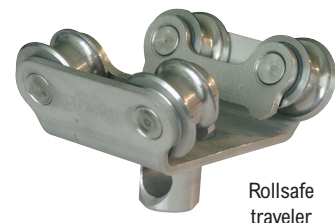


Removable traveler

ROLLSAFE TRAVELER – J3075919

The Rollsafe traveler is for use with overhead systems. It ensures the smooth travel of heavy retractable blocks and long lanyards.

- Material: Stainless steel
- Minimum breaking strength: 12 kN (2,697 lb.)
- Size: 4¼ x 3½ x 2⅞ in. (109 x 90 x 73 mm)
- Net weight: 1.9 lb. (861 g)



Rollsafe traveler

ANCHORS

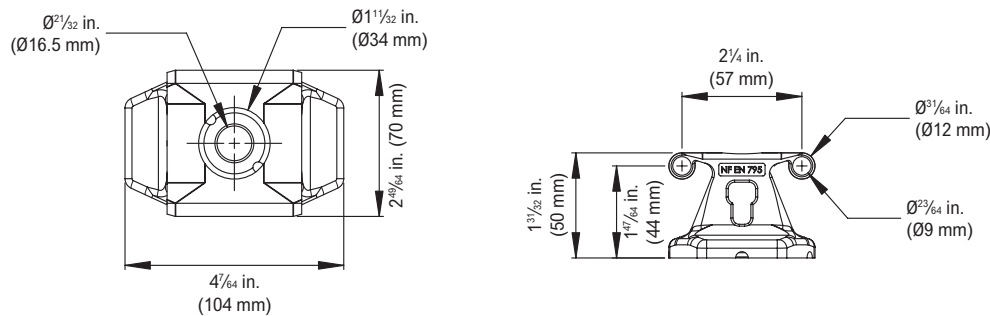
INTERMEDIATE ANCHOR – J300268050

The Travsafe® wires are supported by a cast stainless steel intermediate anchor. They are anchored to the structure by a stainless steel $\frac{5}{8}$ in. (HM16) bolt or equivalent mounting fastener. They have two parallel sleeves along their length for passage of the wire ropes.

- Material: Stainless steel
- Minimum breaking strength: 12 kN (2,697 lb.)
- Net weight: 1.1 lb. (499 g)



Intermediate anchor



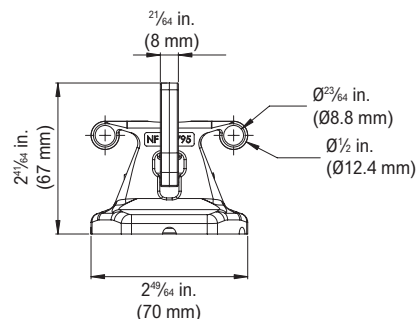
END ANCHOR – J300268916

The end anchor is similar to the intermediate anchor with the addition of an end stop. This end stop or anti return lever allows a traveller to easily enter the system but does not allow it to come off unintentionally. The end stop is equipped with a spring located at the rotation axis that returns the stop back to the closed position after the traveler has been inserted.

- Material: Stainless steel
- Minimum breaking strength: 66.72 kN (15,000 lb.)
- Net weight: 1.25 lb. (567 g)



End anchor

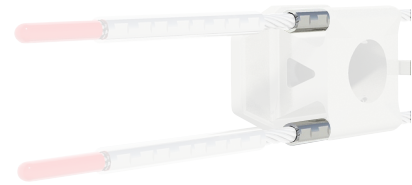


SHOCK-ABSORBING SLEEVE

- **Stainless steel – J300268009**
- **Bi-material – J300268010**

End anchors and some specific intermediate anchors are equipped with shock-absorbing sleeves. These shock-absorbing sleeves are engineered to reduce the force of the impact caused by a fall. The shock-absorbing sleeves are positioned at corners, at each end anchor of the lifeline and at each side of an intermediate anchor every 200 ft. (60 m).

- Material: Stainless steel or bi-material
- Minimum breaking strength: 5 kN (1,124 lb.)
- Size for stainless steel model: 1 in. (25.4 mm)
- Size for bi-material model: 1 $\frac{3}{8}$ in. (35 mm)
- Net weight for stainless steel model: 0.02 lb. (9.07 g)
- Net weight for bi-material model: 0.05 lb. (22.67 g)



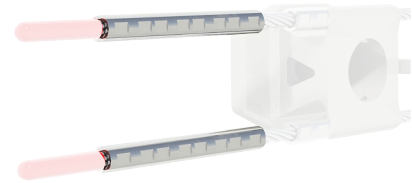
Shock-absorbing sleeves

END SLEEVE – J300268008

End sleeves stop the shock-absorbing sleeves when a fall occurs. They are crimped at the wire rope ends.

- Material: Stainless steel
- Minimum breaking strength: 43 kN (9,666 lb.)*
- Size: 4 in. (101.6 mm)
- Net weight: 0.1 lb. (45.35 g)

*Combined with the shock-absorbing sleeve

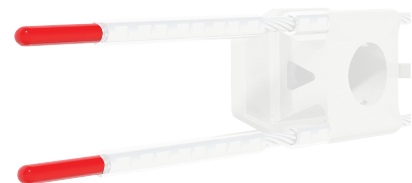


End sleeves

RUBBER END CAP – J300519351

Rubber end caps are designed to protect the user from the rough edges of the cable ends.

- Material: Rubber
- Size: 1 $\frac{3}{8}$ in. (41.27 mm)
- Net weight: 0.01 lb. (4.5 g)



Rubber end caps

WIRE ROPE

- **Galvanized steel – J27006000G**
- **Stainless steel – J27005000S**

The Travsafte® wire rope is available in two types. Galvanized wire rope is intended for occasional use under moderate conditions. Stainless steel wire rope is recommended when frequent use of the system is planned or it is located in a corrosive environments.

- Material: Galvanized or stainless steel
- $\frac{5}{16}$ in. (8.3 mm) diameter



Wire rope cable

ANCHOR POST

Custom anchor posts are designed to be installed on concrete or metal. End, intermediate and corner anchors are fastened directly to the top plate.

- Material: Galvanized steel
- Breaking strength: per system loading
- Size: 12, 18 or 24 in. (305, 457 or 610 mm), pipe size per system loading
- Net weight: from 13 lb. (5.9 kg) in weld to steel series

*Base plate configuration is up to depends on fixing requirements and installation conditions.

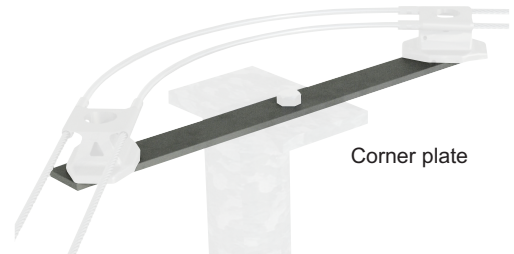


Anchor post

POST CORNER PLATE – J300268015

The post corner plate is used to mount the corner assembly on a standard anchor post. The post corner plate comes with two M16 (5/8 in.) screws which are meant to break in case of a fall in order to reduce the force of the impact at the corners.

- Material: Stainless steel
- Breaking strength: 86 kN (19,333 lb.)
- Size: 2 x 23 3/8 in. (5 x 236 mm)
- Net weight: 4.1 lb. (1.86 kg)

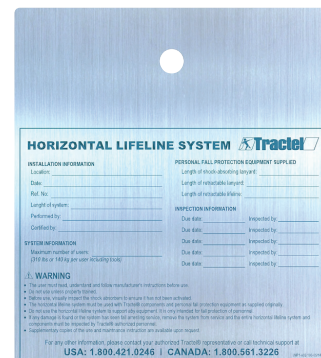


Corner plate

INFORMATION PLATE – JNP1

Comes with a mounting bolt hole for a 1/2 in. (12 mm) fastener.

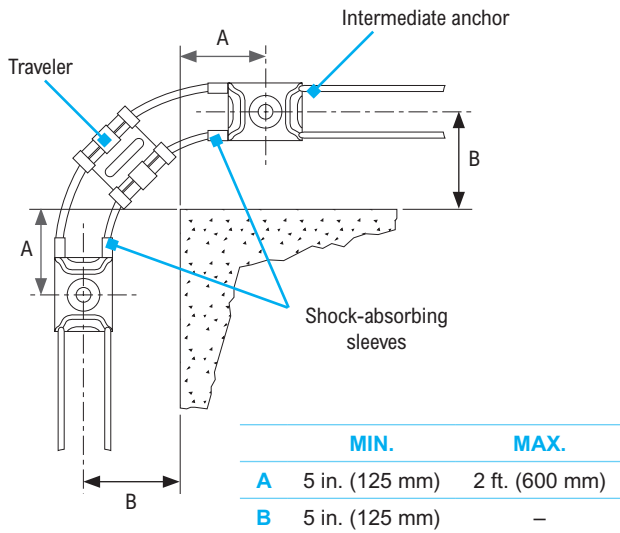
- Size: 7 1/2 x 8 1/2 in. (190 x 216 mm)



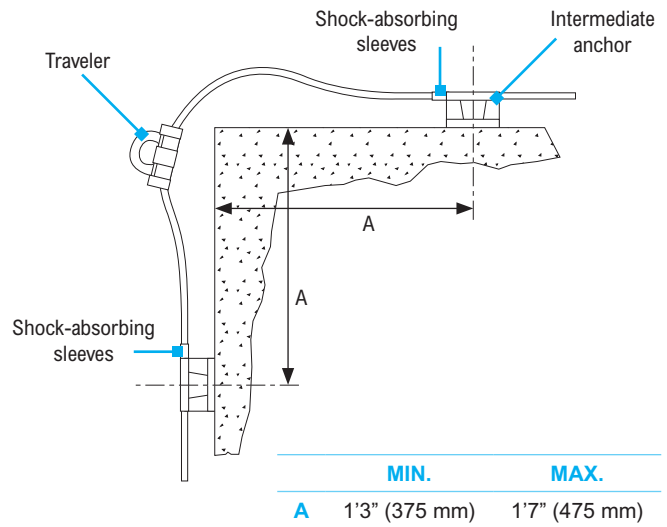
Information plate

CORNERS

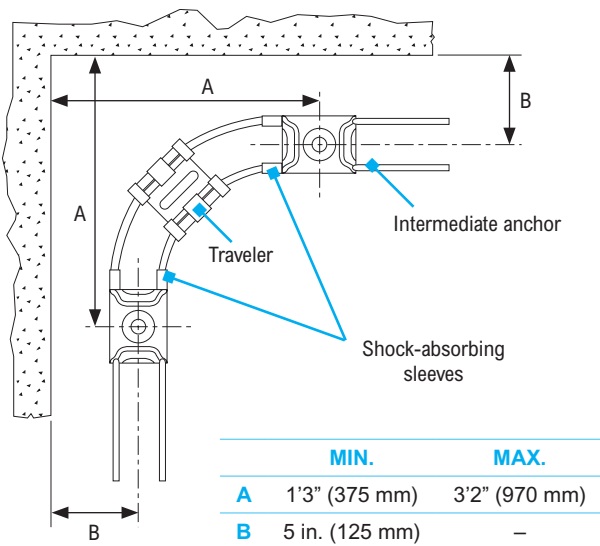
Travsafe® can be installed on different types of internal and external corners. The traveler smoothly passes all corner variations.



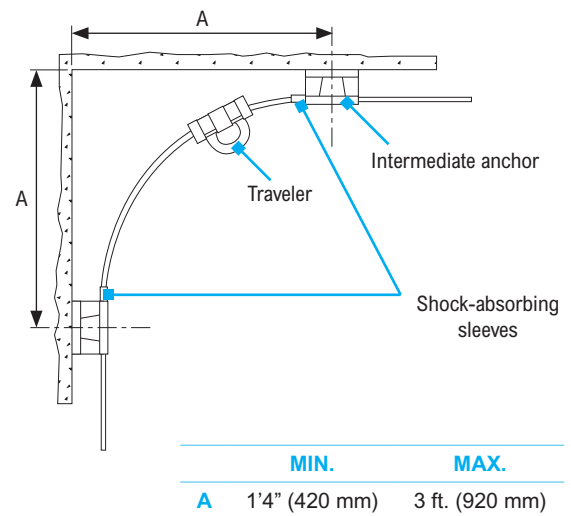
HORIZONTAL OUTSIDE CORNER



VERTICAL OUTSIDE CORNER



HORIZONTAL INSIDE CORNER



VERTICAL INSIDE CORNER

SYSTEM LOADING AND DEFLECTION

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

