T-LINE SAFETY SYSTEM

GUIDANCE FOR CONFIGURATION AND SAFE USE

EVERY T-LINE INSTALLATION WILL BE DIFFERENT.

For example: the span between the T-Line and pulley can vary and the operator can move to different horizontal and vertical positions for each span.

These variables will affect how the T-Line functions.

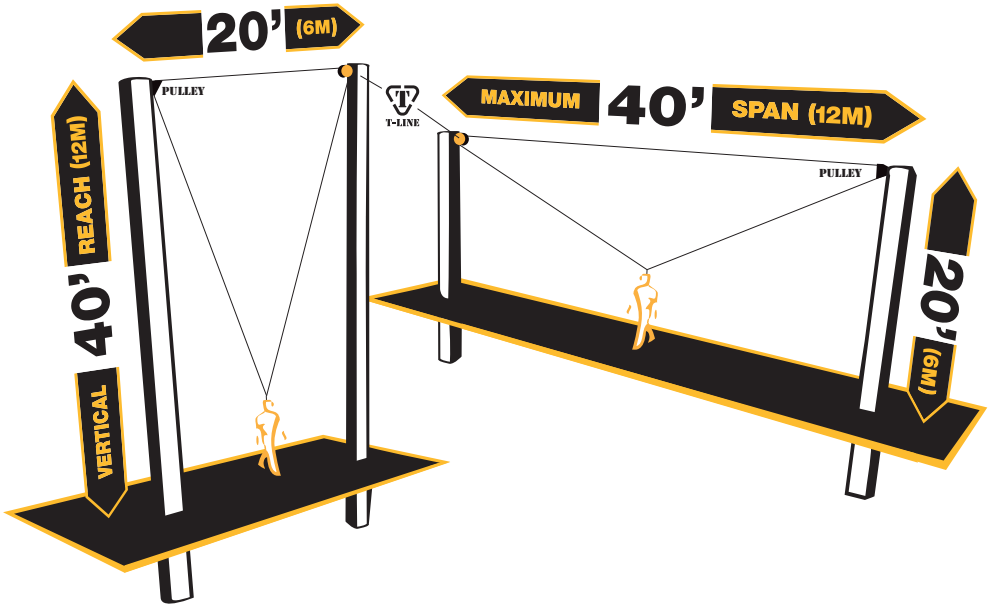
The effects of some variables have been tested empirically. Data was collated from both in-house and third party testing. The Test Plan was developed from the specifications of ANSI Z359.1 for SRL Dynamic Performance; that is, a test mass of 220lb / 100kg was dropped without initial velocity. For each test the arrest distance was recorded. The test was conducted for various spans and at different horizontal and vertical positions for each span. The images present a summary view of the data.

The images below can help planning the configuration and safe use of the T-Line.

It is important to remember that every T-line installation may vary in other subtle ways – and that these variables may also affect the T-Line function. Once installed, the T-Line function should be verified by activating the locking mechanism at any position in which the operator will be exposed to the risk of fall from height.

The guidance presented here must be read in conjunction with the T-Line Operators Manual. The Manual presents important safety information – and the section relating to Safe Limit of Operation is repeated here for emphasis.

SAFE LIMIT OF OPERATION



The T-Line can be installed for a maximum vertical reach of 40’/12m. At this vertical reach, the maximum span is 20’/6m.

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The T-Line can be installed at spans and vertical reach between the limits as set out above.

FREE FALL

The operator must remain below the T-Line and the pulley.

When the operator is within the vertical Safe Limit of Operation, the lifelines will exhibit retraction tension and the connector ring will be above the operator’s head. Never work at a level where the operator’s head is above the connector ring. (Note: It is normal for the lifelines to exhibit some catenary or sag, particularly at wider spans.)

PENDULAR SWINGS

The operator must remain between the T-Line and the pulley.

Minimize pendular swings by working directly below the pulley lifeline which runs between the T-Line and the pulley.

FALL CLEARANCE

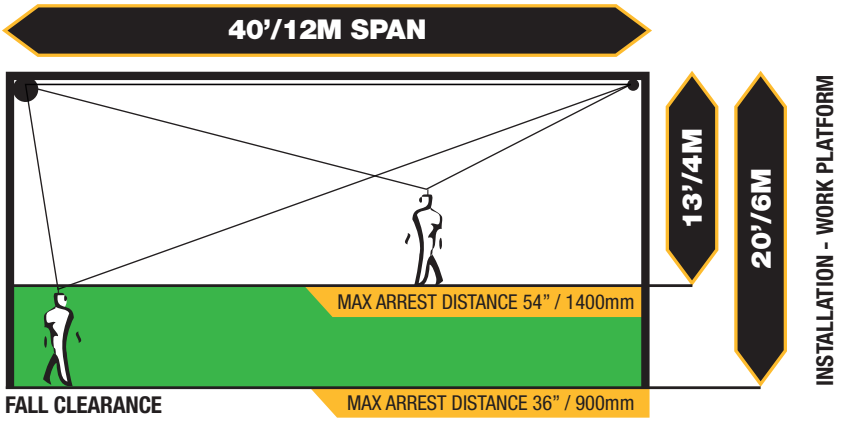
It is essential that there is adequate clearance under the system so that in the event of a fall the operator will not strike the ground or any obstacle.

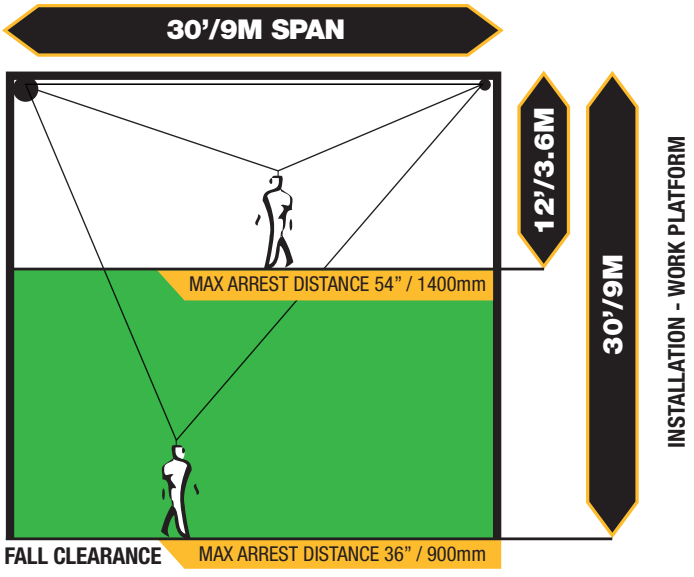
For more information about how to configure and use your T-line safely, contact Standfast at **hq@standfastusa.com**

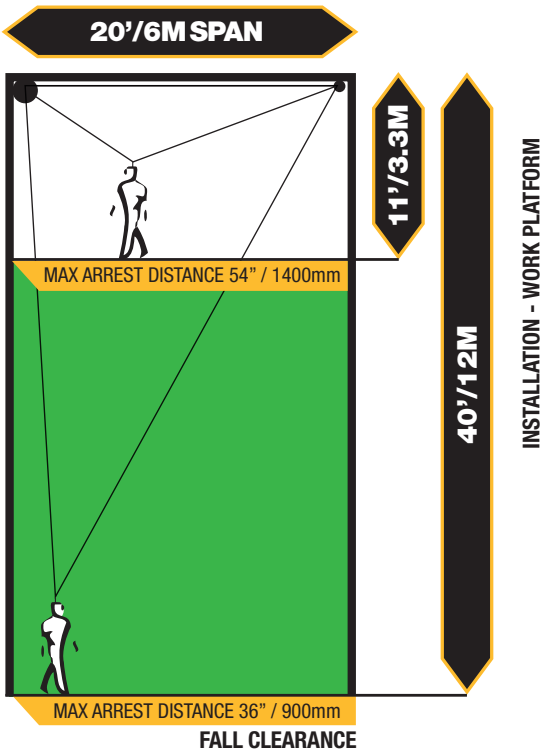
STANDFAST
The Safety Corporation
www.standfastusa.com

T-LINE SAFETY SYSTEM

FALL CLEARANCES







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