

Construction Industry Applications

BRIDGE WORK

Fall protection challenges

- In constructing a new bridge, no overhead anchor points are available to connect a lanyard or self retracting lifeline. Anchorage must be provided through the installation of a horizontal system or fall protection equipment must be specially designed to use the beam itself as an anchorage.
- Most bridge work requires horizontal mobility to enable workers to move along the structure and to do decking work in between. If the worker is connected to one fixed point, mobility is limited.
- Workers must move along narrow walks. The proper horizontal installation will provide handholds to enhance safety.
- Some horizontal systems are designed to be connected to steel I-beams. But Concrete bridge work requires a horizontal system that clamps around rebar or is permanently secured into the concrete itself.



A Anchorage

Is the construction on steel I-beams or concrete?

I-beam

Does the work require horizontal mobility or is it fixed connection work?

Concrete

For horizontal mobility on a steel I-beam bridge:

SecuraSpan® Portable Horizontal Lifeline System

The lightweight and economical SecuraSpan-systems are designed for single or multiple spans and can accommodate many beam sizes.

7400160 (Pg 45)

Glyder2™ Sliding Beam Anchor

For complete horizontal mobility, the Glyder2™ effortlessly slides across the beam following you as you work.

2104700 (Pg 35)

For fixed connector work on a steel I-beam bridge:

Fixed Beam Anchor

Installs in seconds to the beam structure, with final tightening using a built-in adjustment handle. Attach it to the beam structure in any orientation or direction for added versatility.

2108406 (Pg 35)

For horizontal mobility on a concrete bridge:

Iron Wing™ Concrete Horizontal Lifeline

The Concrete Horizontal Lifeline System allows complete freedom of movement and protection for two workers per span and up to up to 6 workers per system. Connects to rebar for use on concrete.

7003560 (Pg 46)

SecuraSpan® Concrete Pour-in-Place Horizontal Lifeline

60' (18m) system includes two stanchions, cable assembly and Zorbit™ energy absorber. Stanchions are mounted into sleeves that are poured into place during column construction.

