

NEW!

Söll Xenon[®] 2.0

Horizontal Lifeline System



PATENTED



- Conforms to EN 795:2012 standard
- Guarantees structural integrity and protects up to seven workers
- The new and unique multi-functional shock absorber prevents damage to a variety of structures
- New overhead shuttle with improved sliding performance



MILLER[®]

by Honeywell

The Söll Xenon 2.0 Horizontal Lifeline System is an innovative height safety solution that conforms to new EN 795:2012 standards and regulations**. It's a high quality, durable system made of corrosion resistant stainless steel and is ideally suited to industrial applications like working on crane runways, loading bays and roofs. The system also doubles as an anchorage point to easily rescue workers should they fall. If a fall occurs, this effective system ensures structural damage is prevented.

The Lifeline System incorporates a unique, state-of-the-art shock absorber, which uses patented Miller 'Force-dispersal Technology' to provide fall protection for up to seven workers across a maximum span of 20m (1X19 cable, 8mm wide), depending on the line configuration.

The new Söll Xenon energy absorber functions as a four-in-one device: a tension indicator, a cable tensioner, an energy absorber and a fall indicator. Only one energy absorber is necessary for all installations, irrespective of whether it's an overhead or standard installation (on posts or against walls).

A new Söll Xenon overhead shuttle completes the system allowing for heavy usage with self retractable lifelines up to 20kg.

Compliance and testing

The Söll Xenon 2.0 Horizontal Lifeline System complies with EN 795:2012, the latest European standard for anchor devices**.



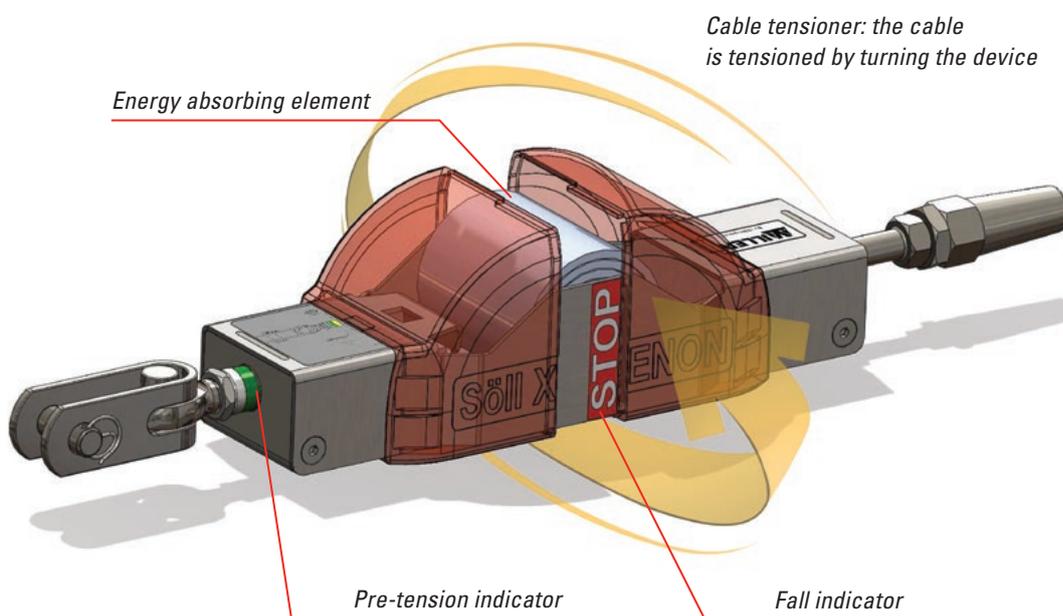
- To demonstrate that the system would prevent structural damage following a fall as well as provide anchorage to rescue workers, it successfully passed a dynamic strength and integrity test with a mass of 100kg, plus a further 300kg for three minutes.

- To prove how effective the Miller 'Force-dispersal Technology' would perform if up to seven workers fell consecutively the system was put through a 'multiple fall' test (see back cover). A test mass of 200kg (representing two workers) was initially dropped followed by five more masses weighing 150kg each (representing five workers). To test for structural integrity, an extra 400kg was added to the load for three minutes.

New shock absorber takes the strain

The Söll Xenon multifunction shock absorber has been designed to disperse energy during a fall to protect both workers and the structure. Its patented 'Force-dispersal Technology' ensures that energy is distributed evenly when the shock absorber is deployed.

The four-in-one device incorporates a tension indicator, a cable tensioner, an energy absorber and a fall indicator. Tensioning is quick and easy to do by rotating the shock absorber horizontally.



** System also complies with the requirements of OSHA, ANSI and AS/NZS

Söll Xenon[®] 2.0 Horizontal Lifeline System components

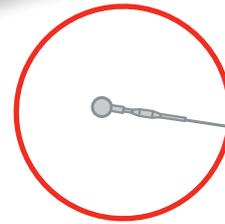
MILLER
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The Söll Xenon[®] 2.0 Horizontal Lifeline System is an anchorage device on a flexible 0.8 mm steel cable. Its principle components are shuttles, shock absorbers, intermediate anchors and end anchors. The system is the perfect safety solution for installation work, maintenance or cleaning at height and can be used in industrial units, on crane runways, in loading bays and on roofs. It's a well-designed, durable system made of corrosion resistant, stainless steel and can be used in an environment from -50°C up to +120°C.

New!

Unparalleled performance from 'Force-dispersal Technology' in the Söll Xenon shock absorber

The four-in-one shock absorber incorporates a tension indicator, a cable tensioner, a state-of-the-art energy absorber and a fall indicator. Only one device is necessary for all installations, irrespective of whether it's an overhead or standard installation. The device is available with or without swages to suit the equipment available for installation.



Swage



Swageless



Eyebolt (only for retrofit)



Söll Xenon automatic pass-through shuttles

The ergonomically designed Miller shuttle self-aligns for smooth passthrough of intermediate and corner brackets. A double-locking mechanism ensures the shuttles are secure yet can still be operated with one hand.

New Söll Xenon overhead shuttle

The innovative Söll Xenon overhead shuttle has integrated wheel protection to protect against shocks with other shuttles (multiple users on the line) and is debris-repellent. New roller bearings withstand constant heavy load allowing for use with self retractable lifelines up to 20kg.

New!



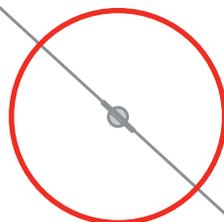
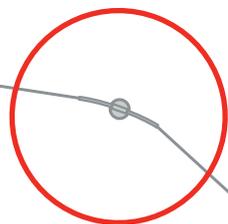
Overhead



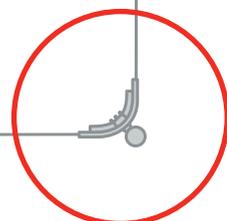
Standard

Söll Xenon intermediate brackets

These versatile brackets can be configured as free-floating, springloaded or locked. As the brackets are assembled on the cable it means they can easily be replaced.

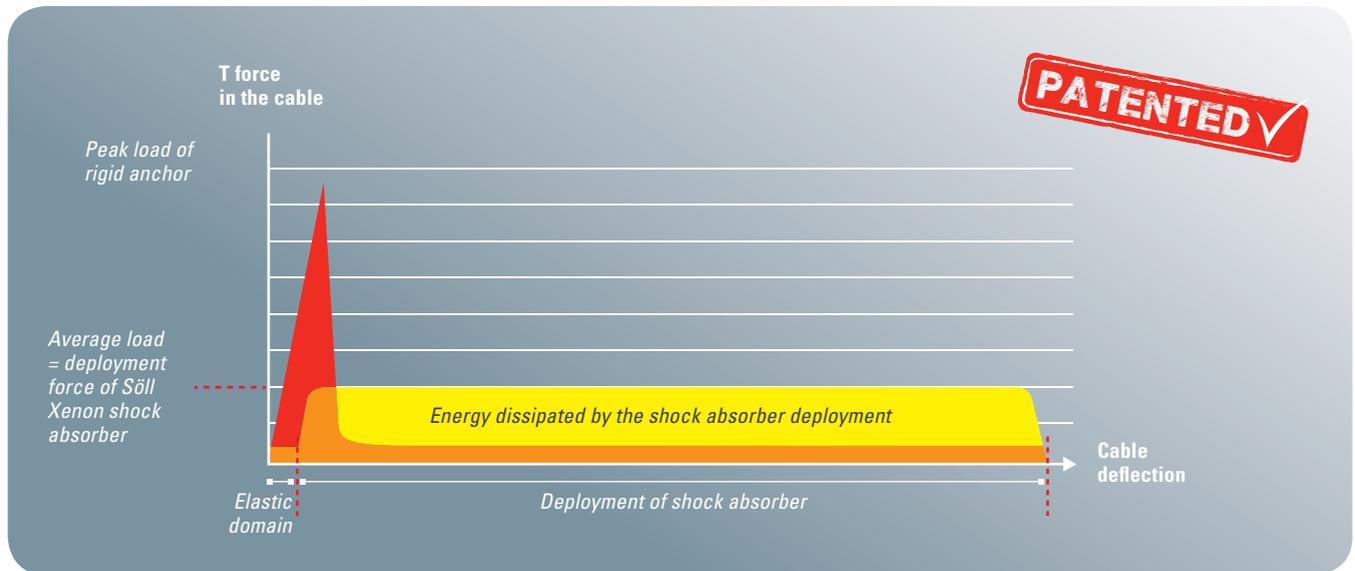
*Universal**Stainless steel**Bendable 45°**Overhead**90° curve with singular fixing point**Overhead 90° internal**Overhead 90° external***Söll Xenon corner brackets**

These brackets are very adaptable and easy to install on the cable. They can be fixed to internal and external corners and to double-point or single-point posts. Preformed and site-adjustable units are available.



Miller® 'Force-dispersal Technology': The relationship between energy and loads

Unlike standard absorbers and rigid anchors that have a maximum load that affects structural integrity if a fall occurs, the unique 'Force-dispersal Technology' in the Söll Xenon shock absorber ensures energy is distributed evenly when deployed.

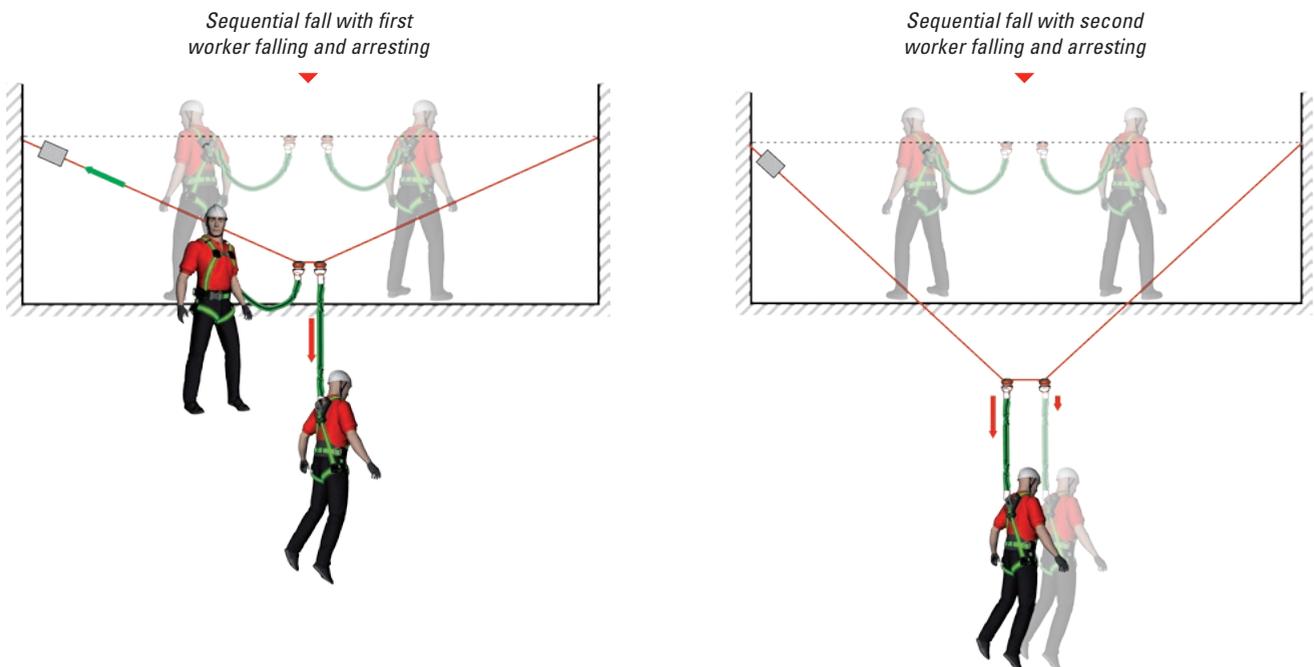


Sequential falls:

The Miller 'Force-dispersal Technology' incorporated in the new shock absorber provides fall protection for up to seven workers depending on the line configuration. This new technology has been developed taking into account that workers usually fall sequentially i.e. one after the other.

- 1) The first faller is hanging from the cable when the second person falls, applying a static load on the system and a certain amount of cable deflection.
- 2) The second faller must freefall the same distance (influenced by lanyard length and reason for the fall) plus the cable deflection generated by the initial fall.
- 3) The second person's fall usually provokes a rebound of the stabilised weight, causing the initial faller to drop again marginally.

NB. The lifeline performs differently depending on the falls and associated loads.





Miller TurboLite™, Miller Falcon™ and Miller Manyard® personal fall limiters

- Ideal for use with the Söll Xenon horizontal lifeline system
- Integrated energy absorber ensures the fall arrest forces on the worker are reduced in the event of a fall
- Miller TurboLite and Miller Falcon webbing are compact and lightweight, ideal for overhead installations, and providing respectively 2m and 6m of working capacity
- Miller Manyard provides 2m working capacity in a light and stretchable edge-tested lanyard



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Lead them to safety - Build an enduring culture of safety through comprehensive education, innovative technologies, and comfortable, high-performance products. Honeywell Safety Products is the ideal partner for a cultural transformation that inspires workers to make safer choices on their own.

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