503029 EZ Fold® Posilok™ Safety Belt

Safety Belt for Basketball Backstops

by DRAPER

Specifications—503029 Posilok™ Safety Belt

Product Description

_____ safety belts, model 503029 Posilok™ by Draper, Inc., Spiceland, Indiana. The Posilok shall be directly speed sensitive to automatically lock a basketball backstop in position at any time whether in storage or during the raising/lowering cycle. In the event of an over-speed situation caused by a malfunction of the hoisting apparatus, such as winch, cable, pulley, support fitting problems etc., any increase in cycle speed or tension, whether sudden or gradual, immediately activates the locking device.

The Posilok shall incorporate a 2" (5 mm) wide belt rated at 7300 lbs. (3314 kg), maximum breaking strength. The entire unit must be capable of withstanding a test using a 1750 lb. (795 kg) falling weight, without strap failure or structural damage.

The locking mechanism must be fail-safe, meaning that any sticking, jamming or breakage of any of the components of the arresting mechanism results in immediate, positive locking of the reel.

The locking mechanism must react to the actual speed of the reel and prevent it from exceeding a strap speed of 1'6" (46 cm) per second regardless of whether the load suddenly drops by breakage of a component in the hoisting apparatus or whether it accelerates more slowly, as caused by a back-driving winch or the yielding of a structural component.

The locking mechanism must be self-checking, meaning that during normal use the mechanism is in constant motion to prevent long-term binding or seizing caused by dirt or corrosion. The mechanism shall actively and positively confirm, six times per revolution, that the reel is traveling at a safe speed, below 1'6" (46 cm) per second.

The action of the locking mechanism must be audible to facilitate pre-installation checking and to prove positive operation of the unit. The locking action of the mechanism shall be by means of high strength metal components and shall apply on both sides of the reel for balanced loading and greater security.

The strap shall extend a maximum of 38'0" (1158 cm) and shall have a safety alert patch stitched to the strap to indicate the maximum safe extension.

The strap shall incorporate a breakaway loop stitched into its lower end to indicate if the unit has been subjected to a heavy load. A bright colored warning label must be exposed if the loop stitching has been broken.

The strap shall be automatically retracted and stored on a reel equipped with a special negator type constant force spring.

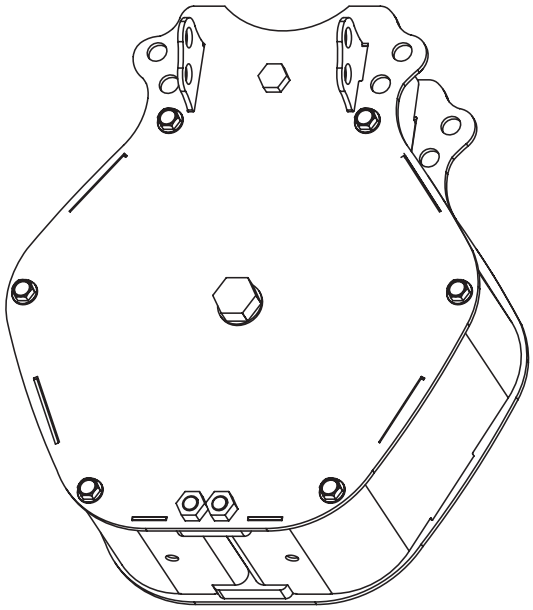
The strap anchoring system must bear on the full width of the strap and be capable of taking the full breaking strength of the strap.

The reel must be supported in bearings on both sides to assure that there is no deflection under heavy load, which would cause the strap to be misaligned and suffer damage.

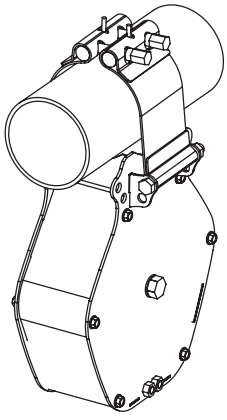
The unit shall incorporate a fully automatic reset requiring no poles, ropes, levers or buttons to be used.

The unit shall incorporate a universal mounting system to allow mounting either parallel or at right angles to the strap as well as mounting on either a 4" O.D. (102 mm) or a 3½" O.D. (89 mm) pipe.

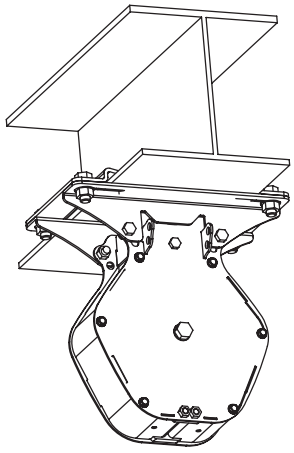
The unit shall have an interlocking all-steel frame for strength and be powder coated for corrosion resistance and a modern, aesthetically-pleasing appearance.



Mounting Options*



Tube Mount



Beam Mount

**** Tube and Beam Mounts can be mounted either parallel or perpendicular to the tube or beam. Tube Mount is shown parallel; Beam Mount is shown perpendicular.***

PROJECT: _____

_____

ARCHITECT: _____

CONTRACTOR: _____

SUPPLIER: _____

DATE: _____ REVISED: _____

DRAPER

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