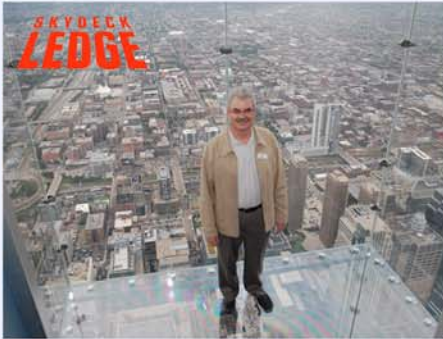


RACO

Actuator



Standing on the Ledge



One of Three Retractable Glass Boxes



Straight Down

Locking Pin Actuator for the Sky Deck in Chicago

At the Willis Tower, formerly the Sears Tower, at 1,353 feet above the streets of Chicago, RACO actuators are part of a new, exciting and hair curling experience.

The Ledge, a glass box that extends out 4.3 feet from the skyscraper's Skydeck on the 103rd floor, provides a spectacular view of the heart of Chicago and the streets below. The floor, walls and ceiling are constructed totally out of glass.

For easy and quick maintenance, as well as cleaning of the outside glass panels, the ledge is retractable into the building on an overhead trolley system. One RACO size 4 actuator is providing the locking pin function to secure the 1,500 pound glass box in the retracted and extended position.



Locking Pin Actuator Securing the Ledge



Mounting the Front Flange to the Actuator

Each actuator is equipped with power and position control devices. To allow for smooth opening and closing of the locking pins, a variable frequency drive is used to operate the electric actuator motor. The integrated EPS 06 absolute position control system provides precise position monitoring, 4-20mA output signal, and limit detecting capability to ensure repeatable, uniform, and accurate reach of the locking pin end positions. The environmentally friendly actuators only consume energy during operation.

As an additional safety function the actuator is equipped with a manual hand wheel in case of a power loss.

Technical Data:
 Type: T1T4
 Stroke: 7.9 inches
 Thrust: 550 lbf
 Speed: 0.66 inch/sec.