

Super Swayless® Rail Mounted Installation Procedure

for use with Steadi-Flex® compensation cables



IMPORTANT: READ THIS FIRST

FAILURE TO FOLLOW DRAKA EHC INSTALLATION PROCEDURES WILL INVALIDATE ANY WARRANTY AND COULD ENDANGER PUBLIC SAFETY.

The Super Swayless Rail Mounting Bracket (Part # SSL-RMB-72) is mounted to the counterweight (CWT) guide rails to support two Super SwayLess dampening devices for elevator cars that have two compensating cables per car. The mounting bracket can also be modified to support a single Super SwayLess device if necessary.

The mounting bracket allows for an 11 1/2" x 19" (290 mm x 480 mm) space for a single centered buffer. It is also fully adjustable for off-plane cables. The mounting bracket needs only a space of 3.25" (83 mm) between the wall and the CWT guide rails, and can be cut to size for CWT guide rails 68" (1725 mm) apart or less.

Step 1: Measure three feet (915 mm) above the bottom of the compensating cable loop and mark a spot on the back of each CWT guide rail.

Step 2: Attach the short end rail to the back of the CWT guide rail using two beam clamps, two 1/2 x 2" bolts and two spring nuts. Repeat steps 1 and 2 for the other CWT guide rail.

Step 3: Attach the two long rails to the bottom of the end rails using the 1/2 x 2 1/2" bolts and top spring nuts, trapping the compensating cables in between the two long rails.

Step 4: Once the long rails are secure, cut off any excess length which extend past the end rails. **IMPORTANT NOTE:** Protruding lengths of rail can become pit obstructions that could cause compensating cable snags.

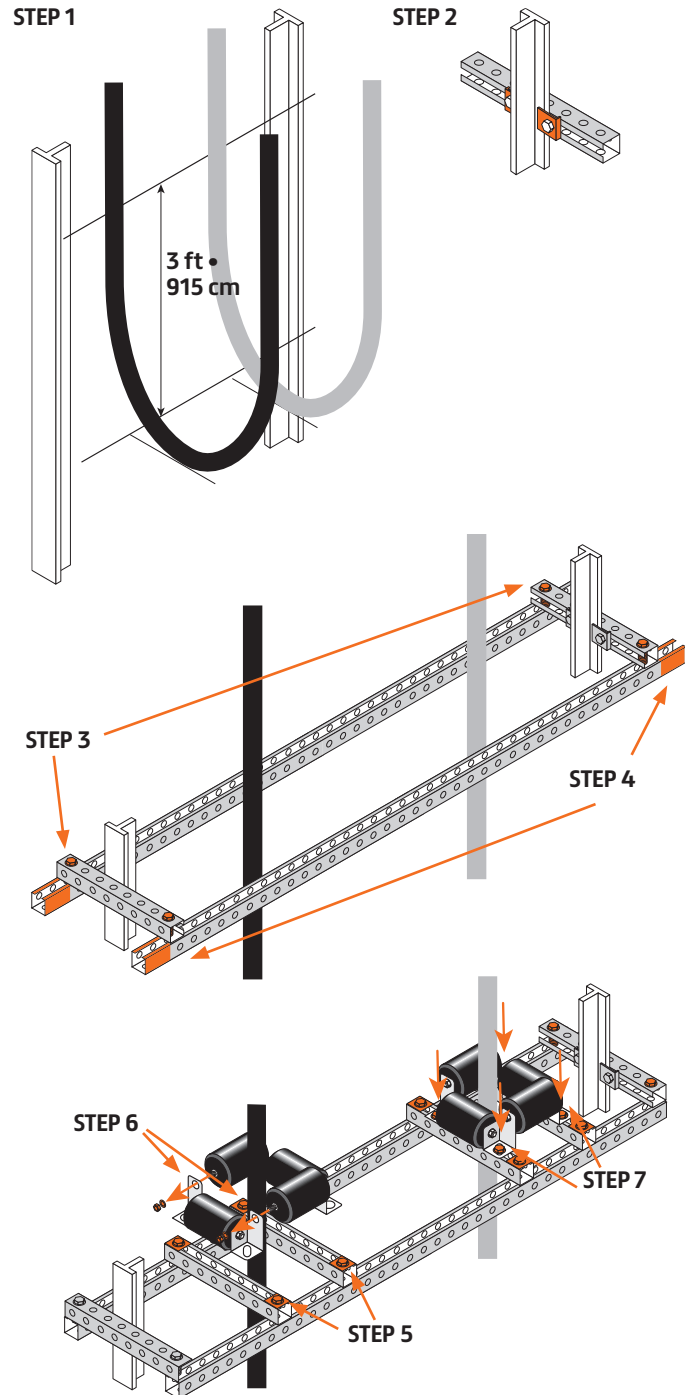
Step 5: Bracket the compensating cable(s) with the short rails leaving enough space to place the Super Swayless devices on them. Loosely attach the four remaining short rails to the long rails using no-twist-square washers, 1/2 x 2" bolts, and top spring nuts.

Step 6: Place the cable(s) in the Super Swayless device(s) by removing one roller to allow access. Replace the roller.

Step 7: Attach the Super Swayless damping device(s) to the short rails using 1/2 x 1" bolts and top spring nuts.

Step 8: Adjust the Super Swayless devices so that the stationary cable is barely touching the inner roller of each Super Swayless device and centered between the left and right rollers. In motion, the cable will move to the center of the Super Swayless devices. Tighten the bolts holding the short rails and the Super Swayless devices.

Verify that the rollers are above the cable loop curvature and below the compressed buffer height. Adjust the height of the mounted assembly as necessary.



Draka EHC

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JCC-XX Installation Kit Instructions (cont'd)



Step 6 - Attach the U-bolt: Mount the U-bolt so that the distance from the counterweight bracket to the U-bolt matches the loop width measurements listed in the table on the front of this sheet.

Step 7 - Form the Safety Loop: Use the mesh grip to form a safety/adjustment loop beneath the car. To prevent slippage, wrap the base of the grip with several wraps of electrical tape. Use the S-Hook hanging from the U-bolt to support the wire mesh grip.

Step 8 - Attach the car support bracket: Attach the second bracket to the car frame. This should be located 24 to 36 in • 60 to 90 cm from the U-bolt. **NOTE: The counterweight bracket, U-bolt and car support bracket must all be aligned across their centers as seen from above (see diagram right).**

Step 9 - Attach the cable to the car: Terminate the exposed chain link underneath the car by attaching the chain to the bracket.

Step 10 - Attach the cable tie: Using the cable tie, form an approx. 3 in • 76 mm diameter loop around the safety loop portion of the cable. Hang the tie-wrap on the S-hook so the cable is vertical when exiting the top of the mesh grip.

Note on using a second cable: To balance the load on an elevator car, it may be necessary to distribute the compensation weight between two lengths of cable. If this is desired, space the lengths evenly about the centerline of the counterweight and the elevator cab (see Second Cable Arrangement right). Ensure that both lengths remain parallel at all times and have similar loop dimensions.

FINAL INSPECTION

Ensure that all bolts are installed properly and tightened. As with any elevator product, a routine inspection plan should be implemented to maximize product safety and performance.

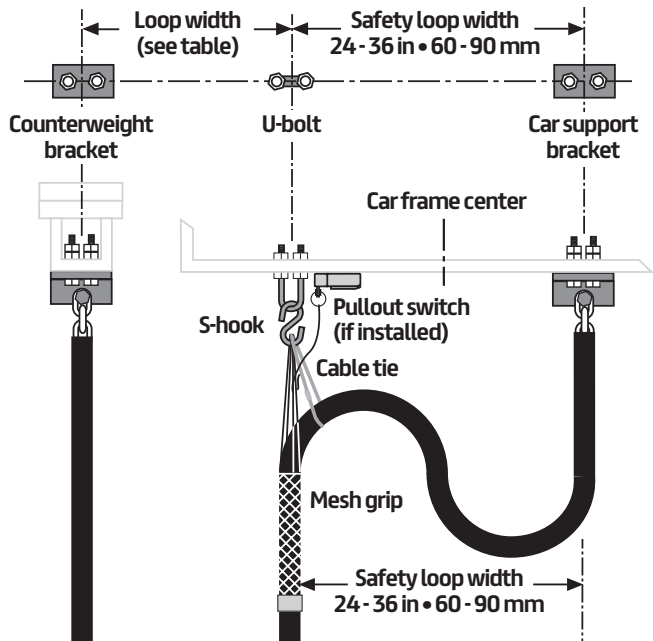
DAMPING DEVICES ARE RECOMMENDED FOR HIGH-SPEED APPLICATIONS

At higher speeds, damping devices (WF-SRD/WF-DSRD) are specified to contain cable sway.

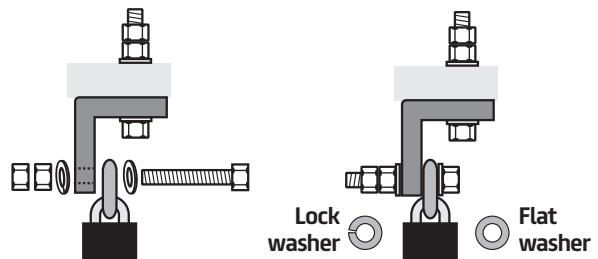
The SwayLess™ (WF-SRD) device is composed of a brass ring with a urethane base and recommended for elevator rated speeds of 350 to 500 ft/min [1.78 to 2.54 m/s].

The Super SwayLess™ (WF-DSRD) device is composed of four overlapping rollers which form a box opening. The WF-DSRD is recommended for elevator rated speeds of 500 to 700 ft/min [2.54 to 3.56 m/s]. Both devices, along with installation kits, are available from Draka EHC.

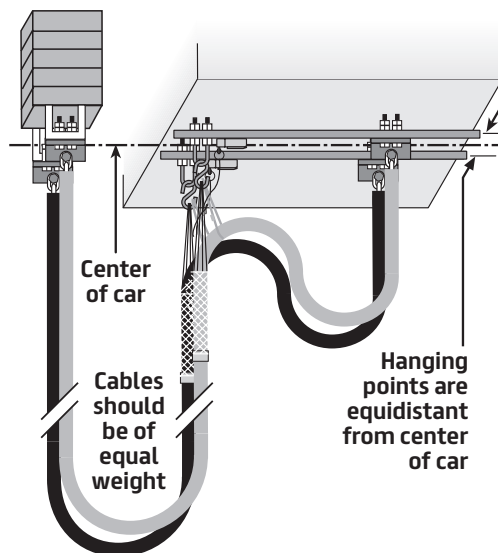
STEPS 6 THRU 10 WHEN COMPLETED



STEP 9 - SIDE VIEW OF CABLE/BACKET ATTACHMENT



SECOND CABLE ARRANGEMENT



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