ELKJCC-XX Installation Kit Instructions

for use with Whisper-Flex® compensation cables

IMPORTANT: READ THIS FIRST

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

The ELKJCC-XX installation kits include a stainless steel double eye/double weave/closed mesh grip, one roll of electrical tape, one steel S-hook, one steel U-bolt with nuts and washers, one cable tie and two support brackets with nuts, bolts, flat washers and lock washers.

STEP 1 - CABLE END PREPARATION

Remove enough jacketing/filler from the end of the cable so that the first link of chain is allowed to move freely. Ensure that exposed chain links have not been cut or damaged. NOTE: The Whisper-Flex Strip Kit simplifies this job - call us to order one (p/n ELHWF-STRP).

STEP 2 - RAISING CABLE UP THE HOISTWAY

Support the reel in the pit or on lowest floor level with the same supporting equipment used to pay off traveling cables.

STEP 3 - TERMINATING CABLE ENDS

Attach one mounting bracket to the counterweight frame and attach the exposed chain link to the bracket as shown.

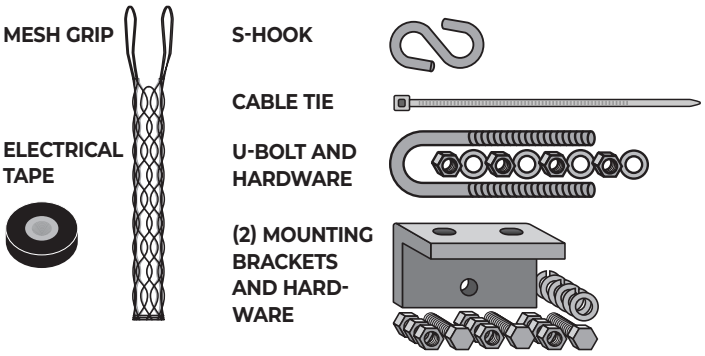
STEP 4 - RAISE THE COUNTERWEIGHT

Raise the counterweight until enough cable has paid off the reel to reach the car frame. Measure an extra 6 to 8 ft [1.8 to 2.4 m] for the safety/adjustment loop. Cut the cable with a hacksaw, and prepare the elevator cab chain link as in Step 1. **Do not exceed the maximum hang lengths shown in the ELKJCC-XX Information Table below.**

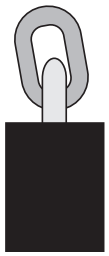
STEP 5 - PLACE THE MESH GRIP

Place the mesh grip over the end of the Whisper-Flex cable that will be attached to the car. Position the grip so that the top of the weave is between 5 to 6.5 ft • 1.5 to 2 meters from the free end of the cable.

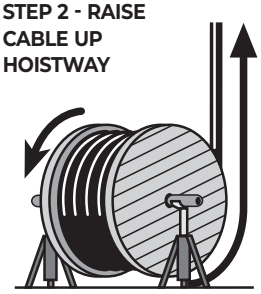
ELKJCC-XX KIT CONTENTS



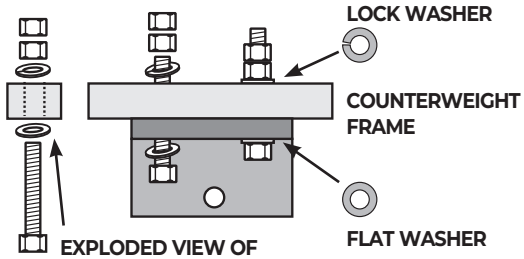
STEP 1 - 1 1/2 EXPOSED LINKS



STEP 2 - RAISE CABLE UP HOISTWAY



STEP 3 - ATTACH THE BRACKET TO THE COUNTERWEIGHT FRAME



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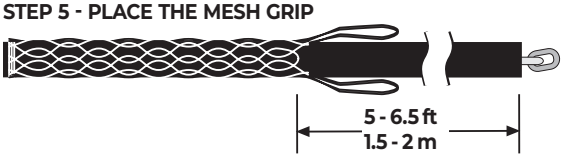

ELKJCC-XX KIT INFORMATION & DIMENSIONS

Whisper-Flex Product Code	Use this ELKJCC-XX Kit	Nom. Loop Width inches • mm	Max. Hang Length inches • mm
WF 075	ELKJCC-10	22 • 540	600 • 183
WF 10	ELKJCC-10	24 • 610	600 • 183
WF 15	ELKJCC-15	24 • 610	600 • 183
WF 20	ELKJCC-20	26 • 660	520 • 158
WF 25	ELKJCC-25	26 • 660	600 • 183
WF 30	ELKJCC-30	26 • 660	505 • 154
WF 35	ELKJCC-35	27 • 690	600 • 183
WF 40	ELKJCC-40	27 • 690	530 • 162

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Prysmian
2151 N. Church Street | Rocky Mount, NC 27804 | +1 877 372 5237
DrakaEHC.com | prysmian.com

ELKJCC-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.

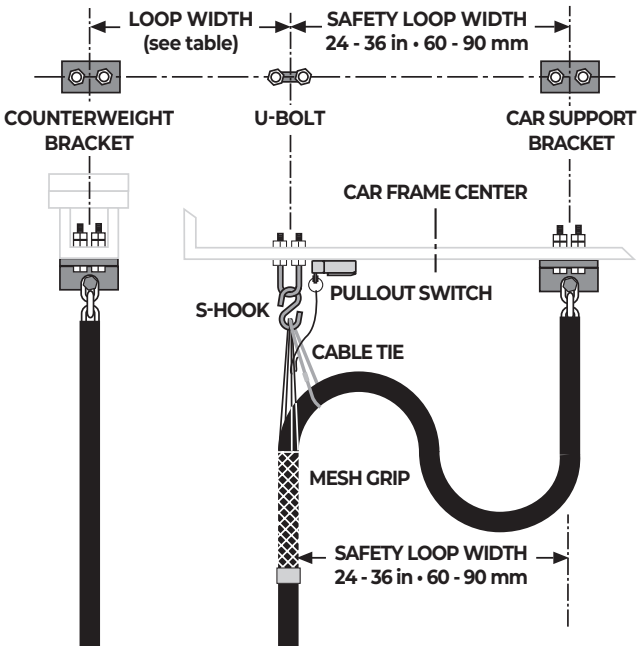
DAMPING DEVICES ARE RECOMMENDED FOR HIGH-SPEED APPLICATIONS

At higher speeds, damping devices are specified to contain cable sway.

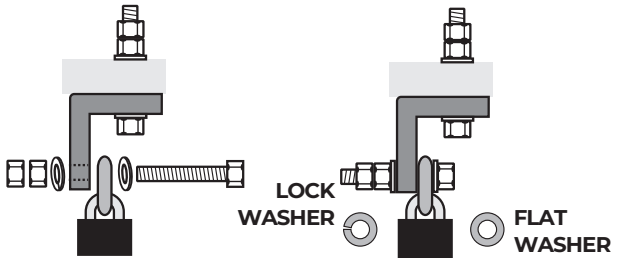
The SwayLess™ (ELKWF-SRD) device is composed of a brass ring with a urethane base and recommended for elevator rated speeds of 350 to 500 ft/min (1.78 to 2.54 m/s).

The Super SwayLess™ (ELKWF-RDD4) device is composed of four overlapping rollers which form a box opening. The ELKWF-RDD4 is recommended for elevator rated speeds up to 500 to 700 ft/min (2.54 to 3.56 m/s). Both devices, along with installation kits, are available from Prysmian.

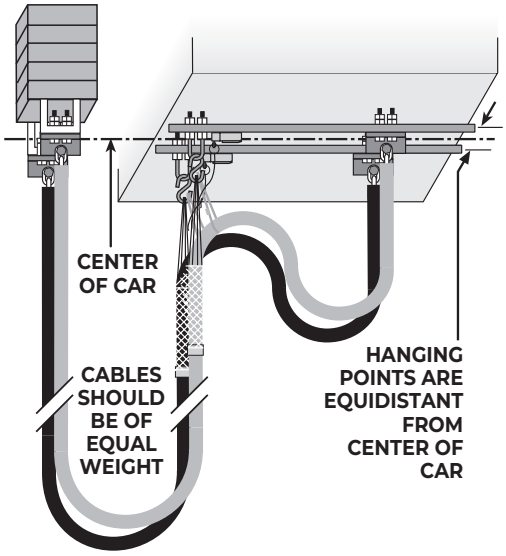
STEPS 6 THROUGH 10 WHEN COMPLETED



STEP 9 - SIDE VIEW OF CABLE/BRACKET ATTACHMENT



SECOND CABLE ARRANGEMENT



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