ELKJCC-XX-CHN Installation Kit Instructions

for use with Steadi-Flex® (and Whisper-Flex® in shallow pit installations)

IMPORTANT: READ THIS FIRST

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

The ELKJCC-XX-CHN installation kits include a 4 ft • 1.2 m chain and one or two couplings, one steel S-hook, one steel U-bolt with nuts and washers, 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 (part number ELKWF-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. Cut the cable with a hacksaw, and prepare the elevator cab chain link as you did in Step 1. **Do not exceed the maximum hang lengths shown in the ELKJCC-XX-CHN dimensions tables below.**

ELKJCC-XX-CHN KIT DIMENSIONS FOR STEADI-FLEX

Cable Product Code	Use this Kit	Dynamic Loop Width* inches • mm	Max. Hang Length ft • m
SFC 15	ELKJCC-20-CHN	46 • 1170	600 • 183
SCF 20	ELKJCC-20-CHN	47 • 1200	520 • 158
SCF 25	ELKJCC-30-CHN	48 • 1220	600 • 183
SCF 30	ELKJCC-30-CHN	49 • 1250	505 • 154
SCF 35	ELKJCC-40-CHN	50 • 1270	600 • 183
SCF 40	ELKJCC-40-CHN	50 • 1270	530 • 162

*Dynamic Loop Width is the width of the loop when Steadi-Flex is in motion.

See the complete Compensation Cable Installation Guide for damping device placement instructions.

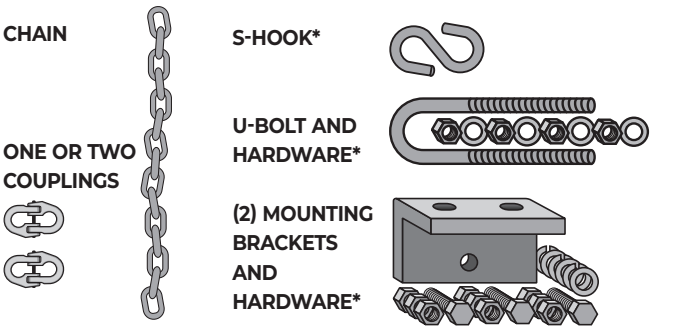
ELKJCC-XX-CHN KIT DIMENSIONS FOR WHISPER-FLEX

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

Use this kit for Whisper-Flex in shallow pit installations.

Use the ELKJCC-XX kits for any other situation.

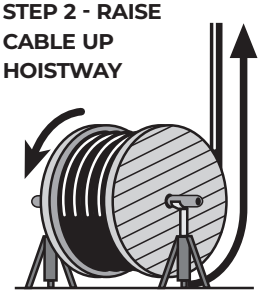
ELKJCC-XX-CHN AND ELKJCC-XX-CPLG KIT CONTENTS



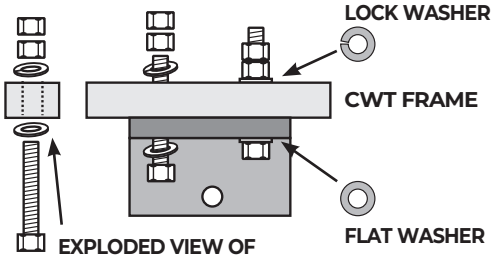
*NOT INCLUDED IN ELKJCC-XX-CPLG KIT

STEP 1 - EXPOSE 1 & 1/2 LINKS

STEP 2 - RAISE CABLE UP HOISTWAY



STEP 3 - ATTACH THE BRACKET TO THE COUNTERWEIGHT FRAME



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ELKJCC-XX-CHN Installation Kit Instructions (con't)

Step 5 - Attach the chain and the couplings: Attach the bare chain length to the car-side end of the cable using a coupling. If there are two couplings within the kit, use the 9/32 in. coupling with WF/SFC 25 and WF/SFC 30 cables and the 3/8 in. coupling with WF/SFC 35 and WF/SFC 40. Each coupling includes installation instructions.

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 tables on the front of this sheet.

Step 7 - Attach the cable to the car: Hang a portion of the bare chain section onto the S-hook to form a safety/adjustment loop beneath the car. With WF/SFC 25 to WF/SFC 40 cable sizes, the second coupling (9/32 in.) will need to be used to attach the car-side cable end to the S-hook. Ensure at least 6 in. of clearance from the cable loop to the pit floor before affixing the coupling within a middle link.

Step 8 - Attach the bracket to the car: Attach the bracket to the car frame. This should be located 24 to 36 in. • 60 to 90 cm from the U-bolt.

Step 9 - Attach the chain to the car: Terminate the end link of the chain length underneath the car by attaching the chain to the bracket.

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

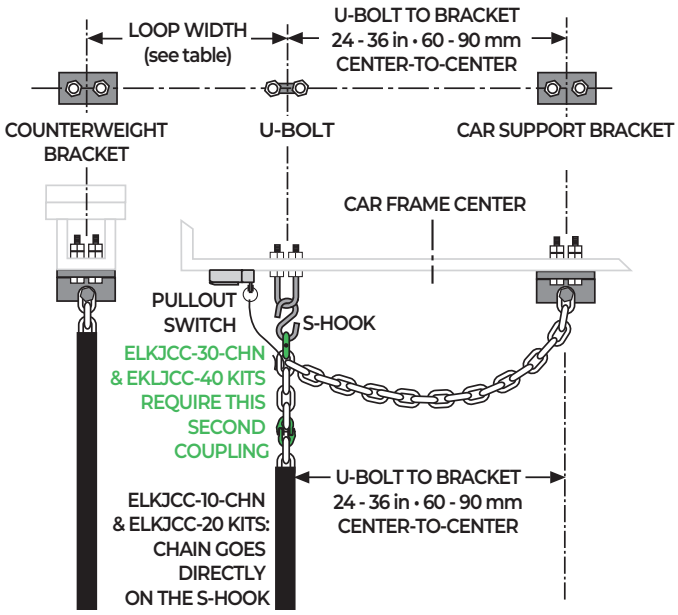
Ensure that all bolts are installed properly and tightened. As with any elevator product, a routine inspection plan should be implemented to maximize product safety and performance.

NOTE: DAMPING DEVICES ARE RECOMMENDED FOR HIGH-SPEED APPLICATIONS

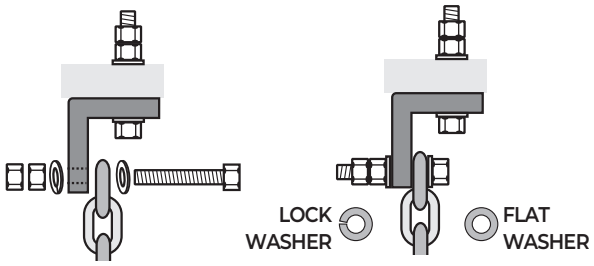
At higher speeds, the Super SwayLess™ ELHWF-RDD4 damping device is specified to contain cable sway. It is composed of four overlapping rollers which form a box opening. The ELHWF-RDD4 is recommended for elevator rated speeds up to 700 ft/min (3.56 m/s). This device and mounting bracket kits are available from Prysmian.

STEP 5 - ATTACH THE CHAIN TO THE CABLE WITH THE CORRECT COUPLING

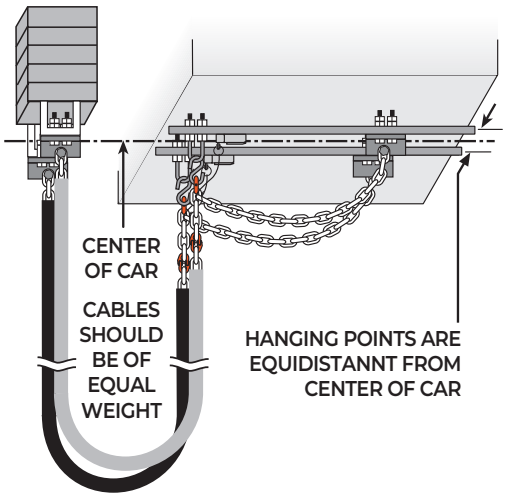
STEPS 6 THROUGH 9 WHEN COMPLETED



STEP 9 - SIDE VIEW OF CHAIN/BRACKET ATTACHMENT



SECOND CABLE ARRANGEMENT



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