

ROPE SHORTENING CLAMP



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GENERAL WARNINGS

NOTICE

The equipment covered in this manual should only be installed, used, and serviced by qualified personnel trained in proper work and safety procedures. This manual is intended to assist such trained individuals in the installation and use of this equipment and is not intended as a substitute for proper training and experience.

This document or any other information regarding this equipment is not intended to cover all of the possible situations which may be encountered while using the equipment described herein. Should specific situations arise which are not covered by the information provided, or should the user desire further details, the specifics should be directed to Wurtec, Inc.

Note: In the effort of continuous product improvement, Wurtec, Inc. reserves the right to modify the design and specifications of this product at any time without notice.



WARNING

Failure to comply with the following guidelines could result in death or serious injury:

- Always use the proper fasteners for your installation.
- Torque all bolts to (50ft-lbs, 68 N-m).
- To prevent slippage, only use the rope shortening clamp with the specified rope size.
- Ensure the hoistway is clear before beginning work and never stand under or in the path of the load.
- Ensure the ropes are positioned on the clamp grooves.
- Check grooves of the clamps for wear before use each day.
- Inspect hardware before use. After each use, check for excessive wear.
- It is highly recommended to replace hardware after several uses. When replacing bolts, ensure they are 3" long and at least Grade 8 or equivalent.

EQUIPMENT DESCRIPTION & INTENDED USE

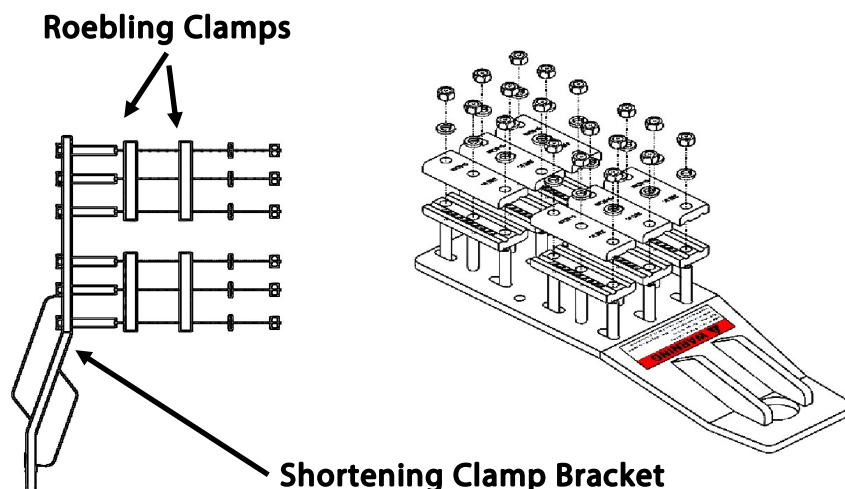
The **Rope Shortening Clamp** securely clamps elevator ropes to allow for the use of a come-along to shorten elevator ropes. Standard models vary from clamping 5/16" rope to 5/8" rope.

The Rope Shortening Clamp consists of the following components:

- Shortening Clamp Bracket with bolts welded on
- Roebling Clamps
- Hex Nuts and Lock Wash

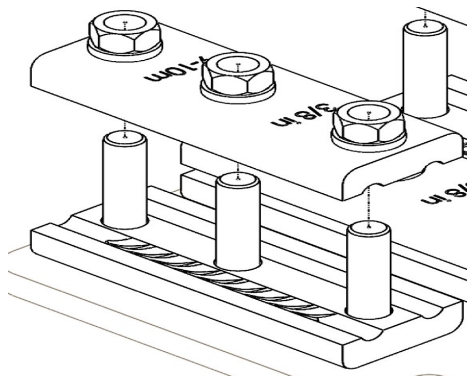
The following are unintended uses of the Rope Shortening Clamps:

- DO NOT use for man riding.
- DO NOT use with non-steel rope.
- DO NOT use with rope capacities less than the capacity of the clamp in use.
- ONLY use with correct rope size.
- ONLY use with ropes going through all the grooves of all the clamps.



FEATURES & FUNCTIONS

Roebling Clamp. Each of these clamps securely grabs two ropes. Ropes resist slipping through the clamp because of the spiral ridges cast into the grooves.



SPECIFICATIONS

Table 1 defines the number of the rope, the rope size, and the capacity of each Rope Shortening Clamp.

Part No.	No. of Ropes	Rope Size (in)	Rope Size (mm)	Capacity (lb)	Capacity (kg)	Torque Required (ft-lbs)	Torque Required (Nm)
16-278	6	3/4	18-20	8000	3628	50	68
16-279	6	5/16	7-8	8000	3628	50	68
16-280	6	1/2-9/16	12-14	8000	3628	50	68
16-281	6	5/8-11/16	15-17	8000	3628	50	68
16-282	6	7/16	11	8000	3628	50	68
16-283	6	3/8	9-10	8000	3628	50	68
16-284	8	5/16	7-8	10000	4535	50	68
16-285	8	1/2-9/16	12-14	10000	4535	50	68
16-286	8	5/8-11/16	15-17	10000	4535	50	68
16-287	8	7/16	11	10000	4535	50	68
16-288	8	3/8	9-10	10000	4535	50	68
16-289	8	3/4	18-20	10000	4535	50	68
16-298	10	3/8	9-10	10000	4535	50	68
16-299	10	1/2-9/16	12-14	10000	4535	50	68

INSTALLATION / ASSEMBLY TOOLS REQUIRED

- Torque wrench with 3/4" socket
- Come-along

PERSONAL PROTECTIVE EQUIPMENT

The following PPE are recommended when using the Aluminum Rope Clamps:

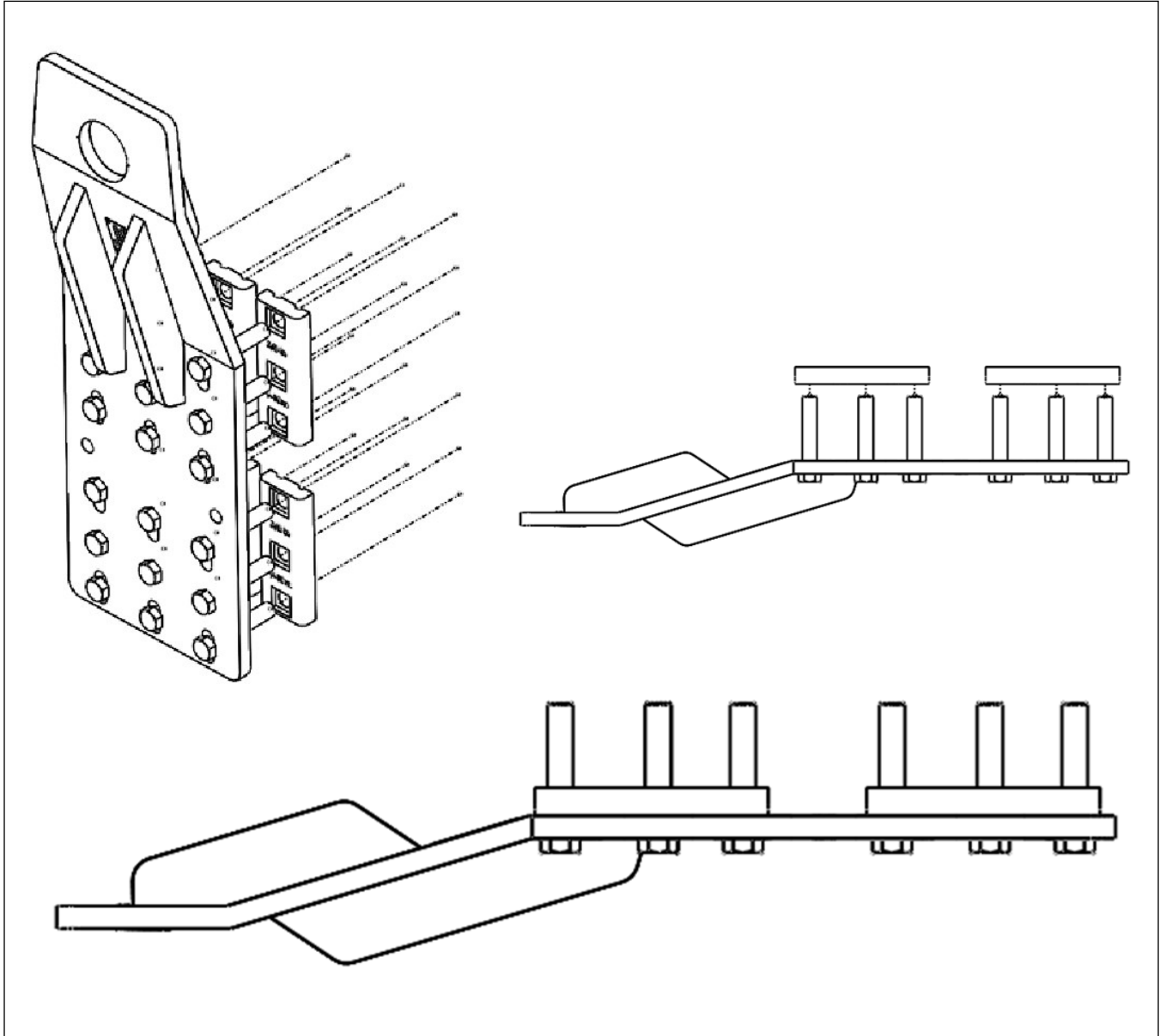
- Safety glasses
- Hard hat
- Abrasion-resistant gloves
- Boots with steel toe and sole

DAILY SAFETY CHECKS

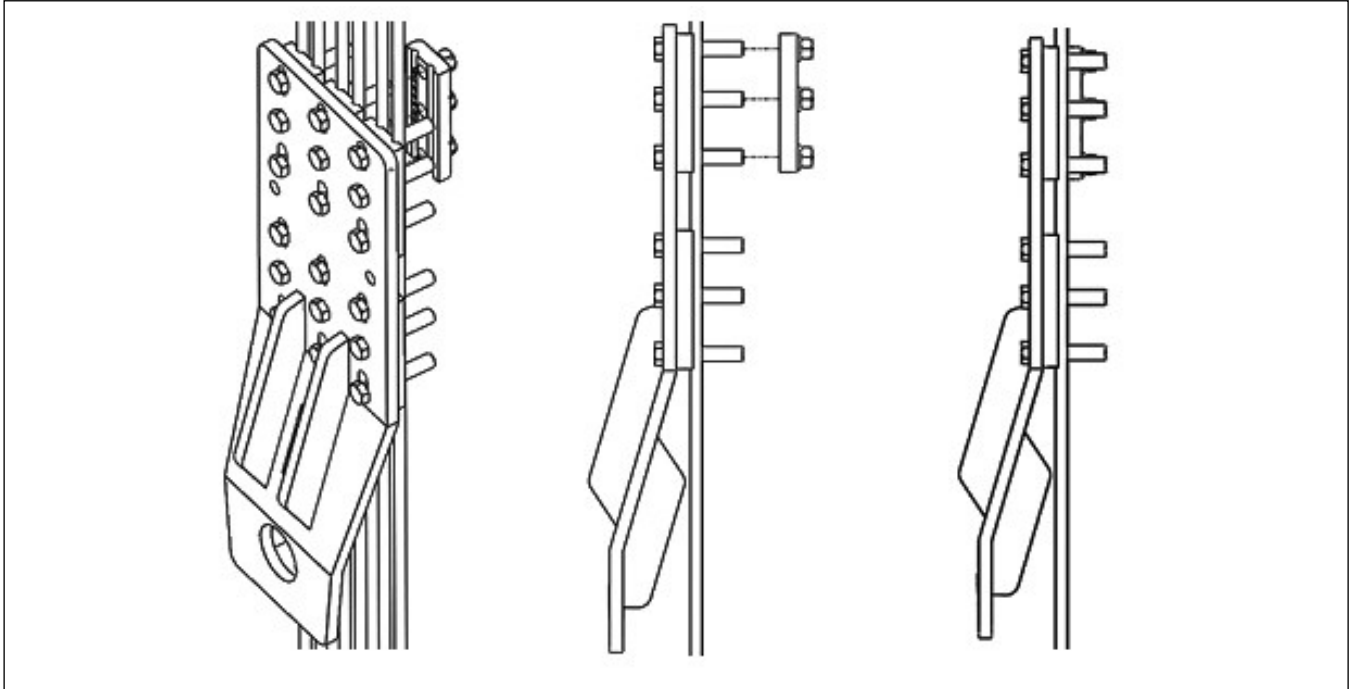
- Make sure that all hardware is tightened to spec (50 ft-lbs) and that ropes are properly inserted in the groove.

SECTION A: INSTALLATION

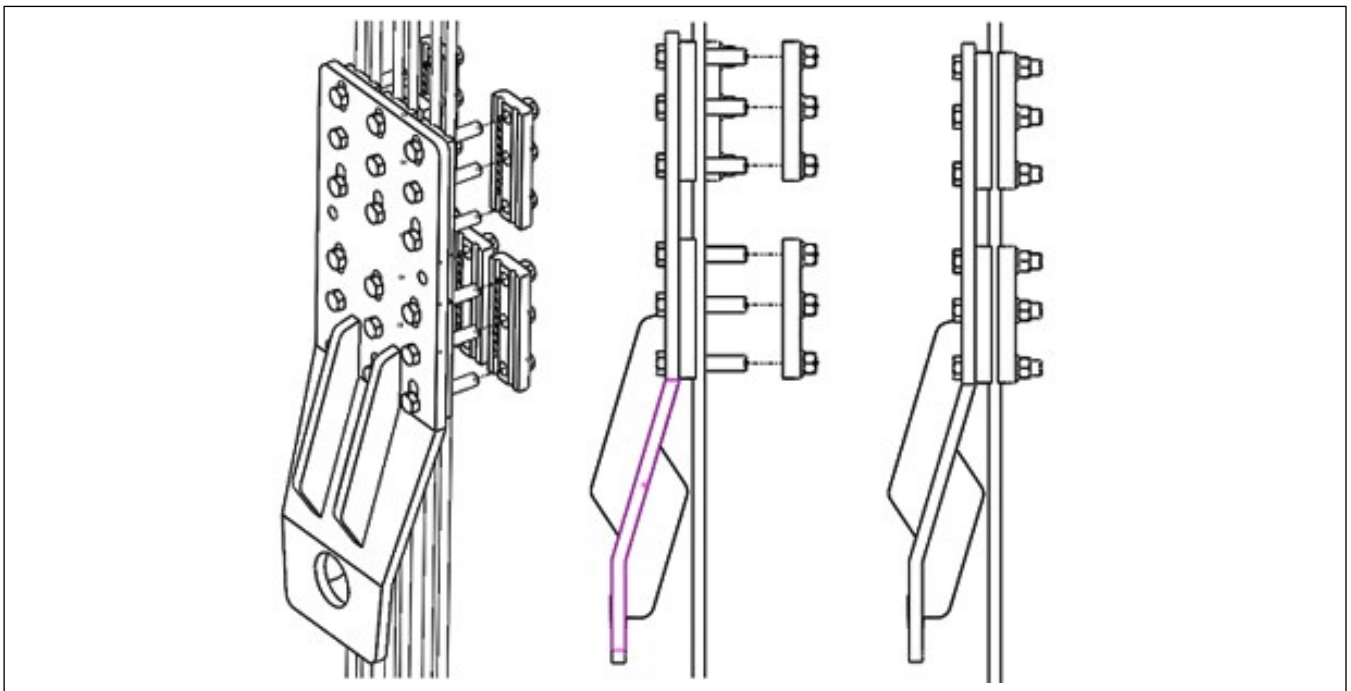
1. Slide all six Roebling Clamps L onto welded bolts on the hoist bracket.



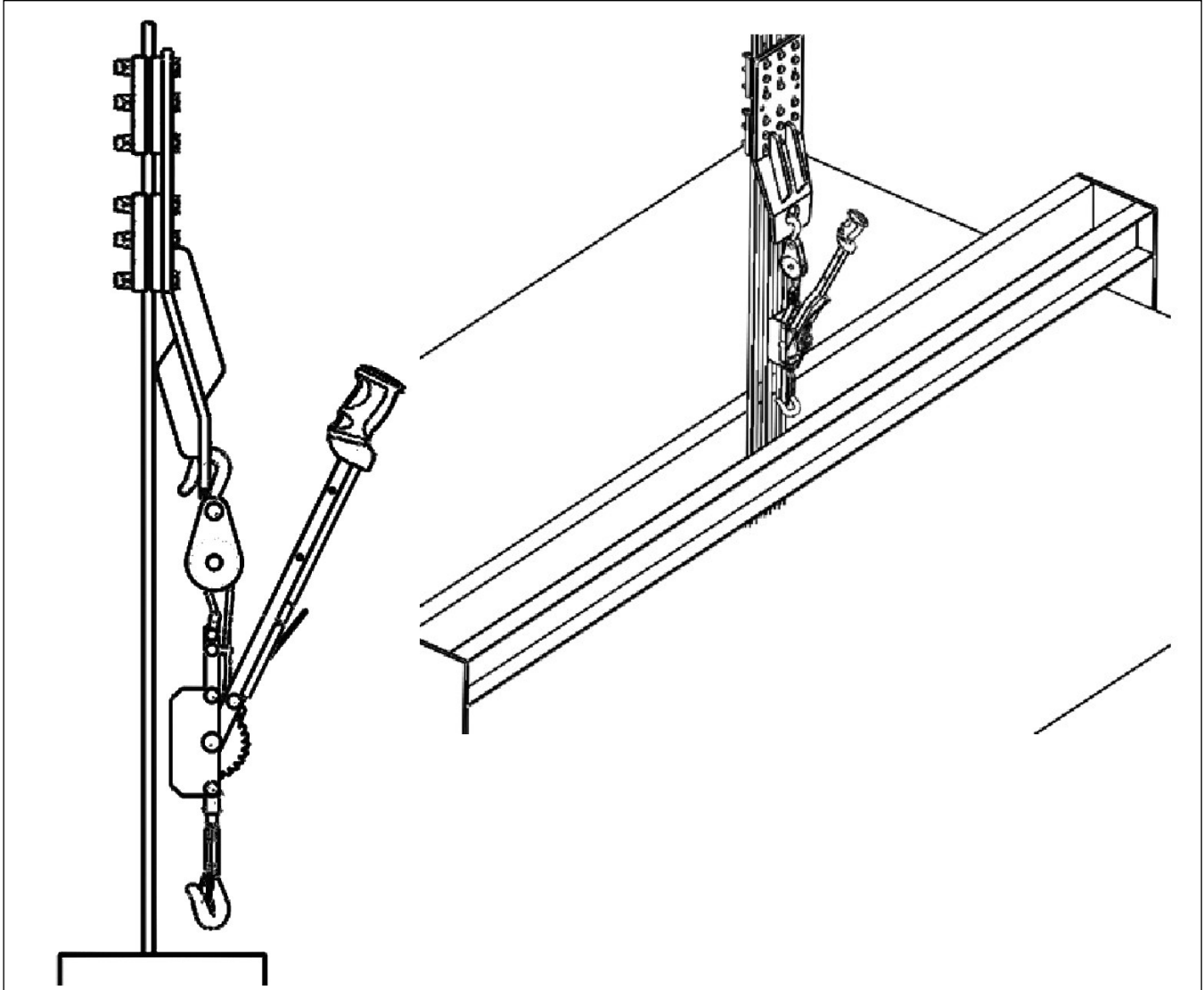
2. Align Shortening Clamps with ropes and secure the hoist bracket with a Roebling Clamp R, 1/2" lock washers, and 1/2"-13 hex nuts.



3. Once the hoist bracket is attached to ropes, place the other five Roebling Clamps R on the bolt and secure with 1/2" lock washers and 1/2"-13 hex nuts. Nuts should be torqued to 50 ft-lbs.



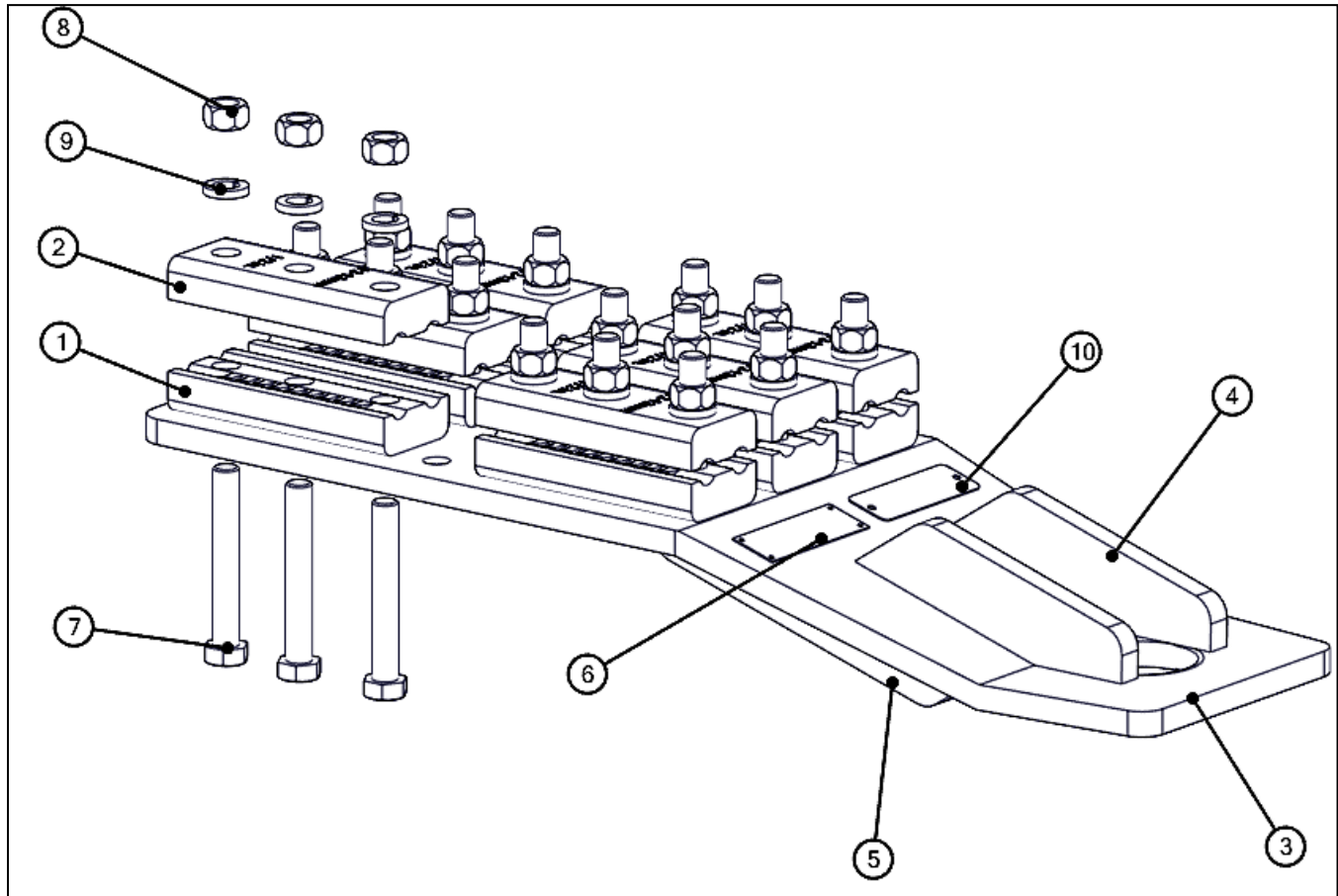
2. Now that the Rope Shortening Clamp is completely secured to the ropes, attach a come-along to the large hole at the bottom of the hoist bracket. The other end should be secured to the crosshead on top of the cab.



SECTION B: OPERATION

Using the come-along, raise the cab to slacken the ropes. You are now ready to shorten your ropes.

BILL OF MATERIAL



Item	Qty	Part No.	Description	Size	Length	Spare/Wear
1	6	Varies	Clamp: Roebling; Left	-	-	Wear
2	6	Varies	Clamp: Roebling; Right	-	-	Wear
3	1	Varies	Hoist Bracket	-	-	-
4	2	Varies	Gusset (Cable Side)	-	-	-
5	2	Varies	Gusset (Back Side)	-	-	-
6	1	15-10049238	Warning Tag	-	-	-
7	18	14217	Hex Head Cap Screw	1/2-13	3-1/2"	Spare
8	18	0169238	Hex Nut	1/2-13	-	Spare
9	18	0123524	Spring Lock Washer	1/2"	-	Spare
10	1	Varies	3" X 1" Capacity Plate	-	-	-