

ROPE SHORTENING CLAMP

Part No. 16-280

INSTALLATION INSTRUCTIONS

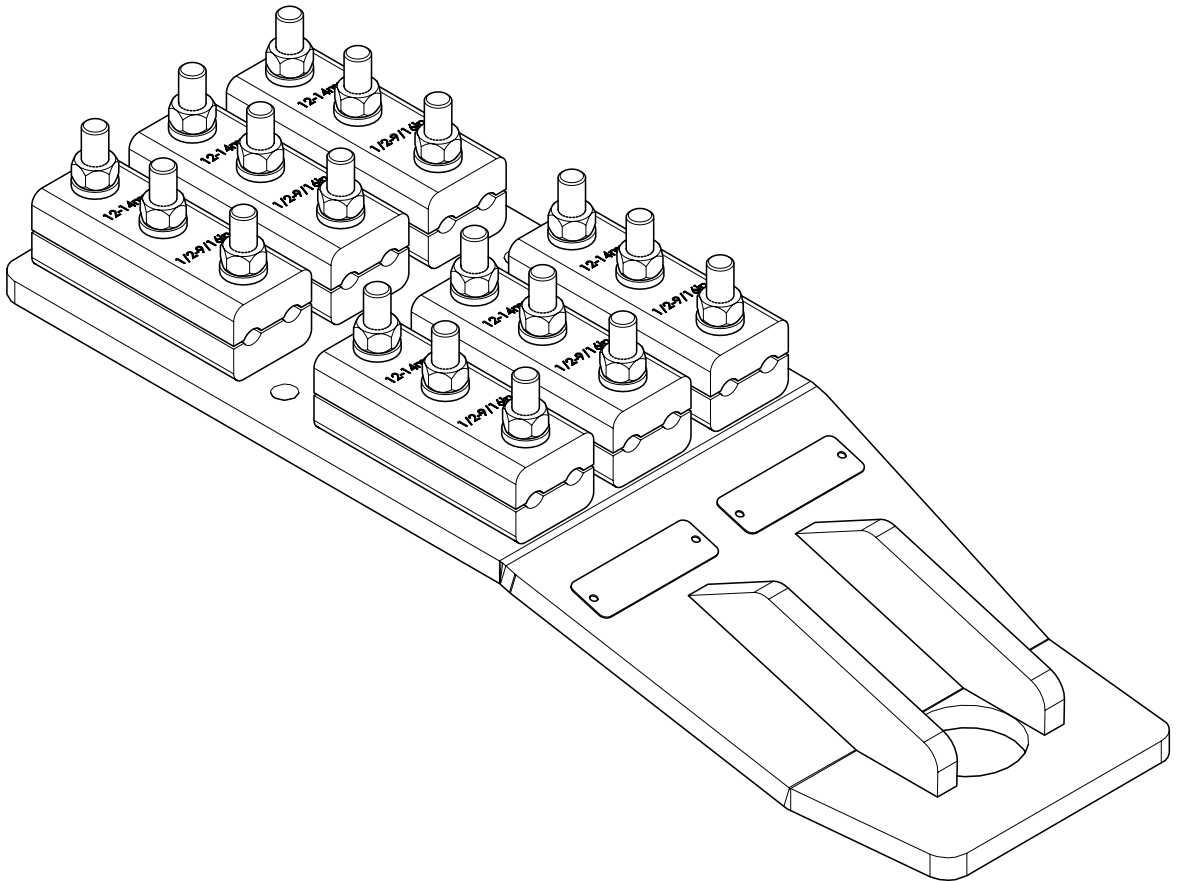


TABLE OF CONTENTS

Product Information & Safety Warnings.....	2
Specifications	3
Required Tools	3
Installation Steps.....	3
Bill Of Materials.....	4

PRODUCT INFORMATION & SAFETY WARNINGS

PRODUCT WARRANTY & INFORMATION



Scan the QR code to view detailed warranty information at wurtec.com. For questions or product support, contact Wurtec Customer Service at 1-800-837-1066. If a Declaration of Conformity is available for this product, it can be downloaded from its product page on wurtec.com.

EQUIPMENT DESCRIPTION & INTENDED USE

The Rope Shortening Clamp is designed to securely grip elevator suspension ropes during rope-shortening procedures. When used with a come-along, the clamp allows the elevator car to be raised to create slack in the ropes so they can be safely shortened. Models are available for various steel rope sizes and configurations. The Rope Shortening Clamp is intended for use with steel elevator ropes of the specified size and capacity only and is not intended for man riding. All ropes must be properly seated through the grooves of the clamps during use.

WARNING

FAILURE TO COMPLY WITH THE FOLLOWING GUIDELINES COULD RESULT IN DEATH OR SERIOUS INJURY:

EXCLUSION OF LIABILITY

This equipment should only be installed and serviced by trained personnel. This manual is intended as a guide only and is not a substitute for formal training; it may not cover every scenario or condition of use. Wurtec reserves the right to change product design and specifications without notice. Always use standard PPE, including safety glasses, gloves, boots, a hard hat, and fall protection.

- DO NOT use the Rope Shortening Clamp for man riding.
- Use only with steel elevator ropes of the specified size and adequate capacity.
- DO NOT use with non-steel rope or ropes with a capacity below the rated capacity of the clamp.
- Ensure all ropes are properly seated in and pass through all required clamp grooves before applying a load.
- Use only the proper fasteners and torque all bolts to 50 ft-lb (68 N·m).
- Keep the hoistway clear during use. Never stand beneath or in the path of a suspended load.
- Inspect the clamp grooves and hardware before each use. DO NOT use components that show excessive wear or damage.
- Inspect hardware after each use and replace worn hardware as necessary. Replacement bolts must be 3 in. long and Grade 8 or equivalent.
- Verify the Rope Shortening Clamp is properly secured to the ropes before attaching or operating the come-along.

SPECIFICATIONS

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

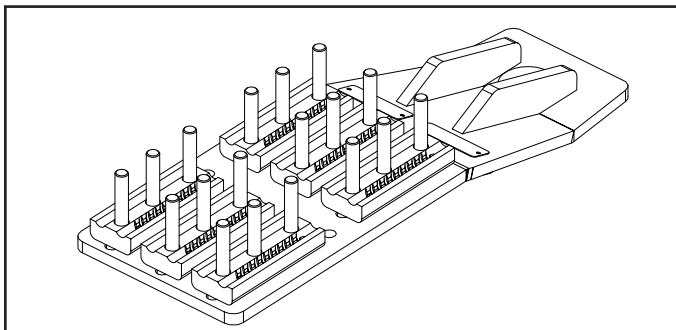
Part No.	No. of Ropes	Rope Size (in)	Rope Size (mm)	Capacity (lb)	Capacity (kg)	Torque Required (ft-lbs)	Torque Required (Nm)
16-278	6	3/4	18-20	8000	3628	50	68
16-279	6	5/16	7-8	8000	3628	50	68
16-280	6	1/2-9/16	12-14	8000	3628	50	68
16-281	6	5/8-11/16	15-17	8000	3628	50	68
16-282	6	7/16	11	8000	3628	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

REQUIRED TOOLS

The following are the minimum required tools for installation:

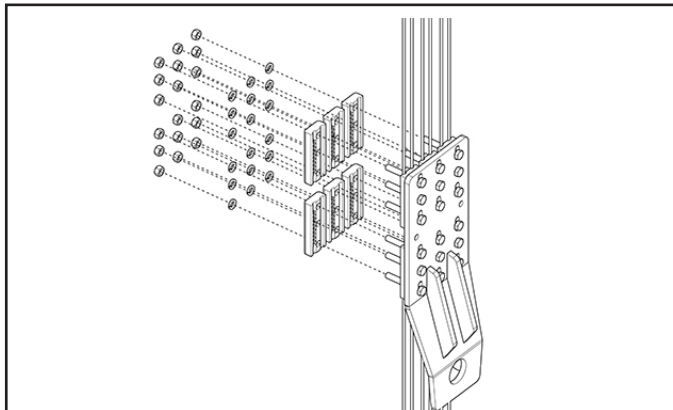
- Torque wrench with 3/4" socket
- Come-along

INSTALLATION STEPS



Step 1: Add Left Roebling Clamps to Bracket

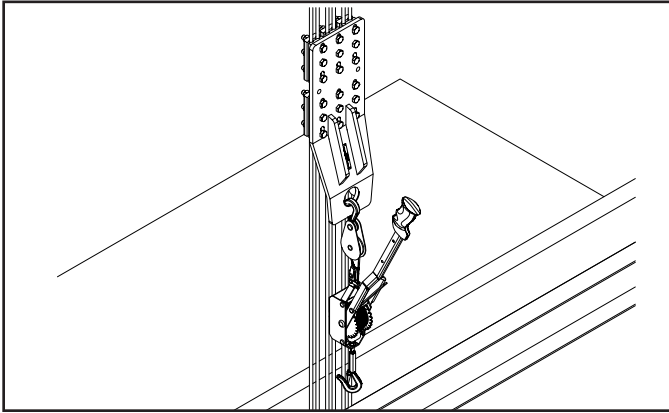
- Slide all six Roebling Clamps L onto welded bolts on the hoist bracket.



Step 2: Attach the Roebling Clamps

- Install the top Roebling Clamp R and secure with 1/2 in. lock washers and 1/2-13 hex nuts.
- Install the remaining bottom Roebling Clamps R and secure with 1/2 in. lock washers and 1/2-13 hex nuts. Torque all nuts to 50 ft-lb (68 N·m).

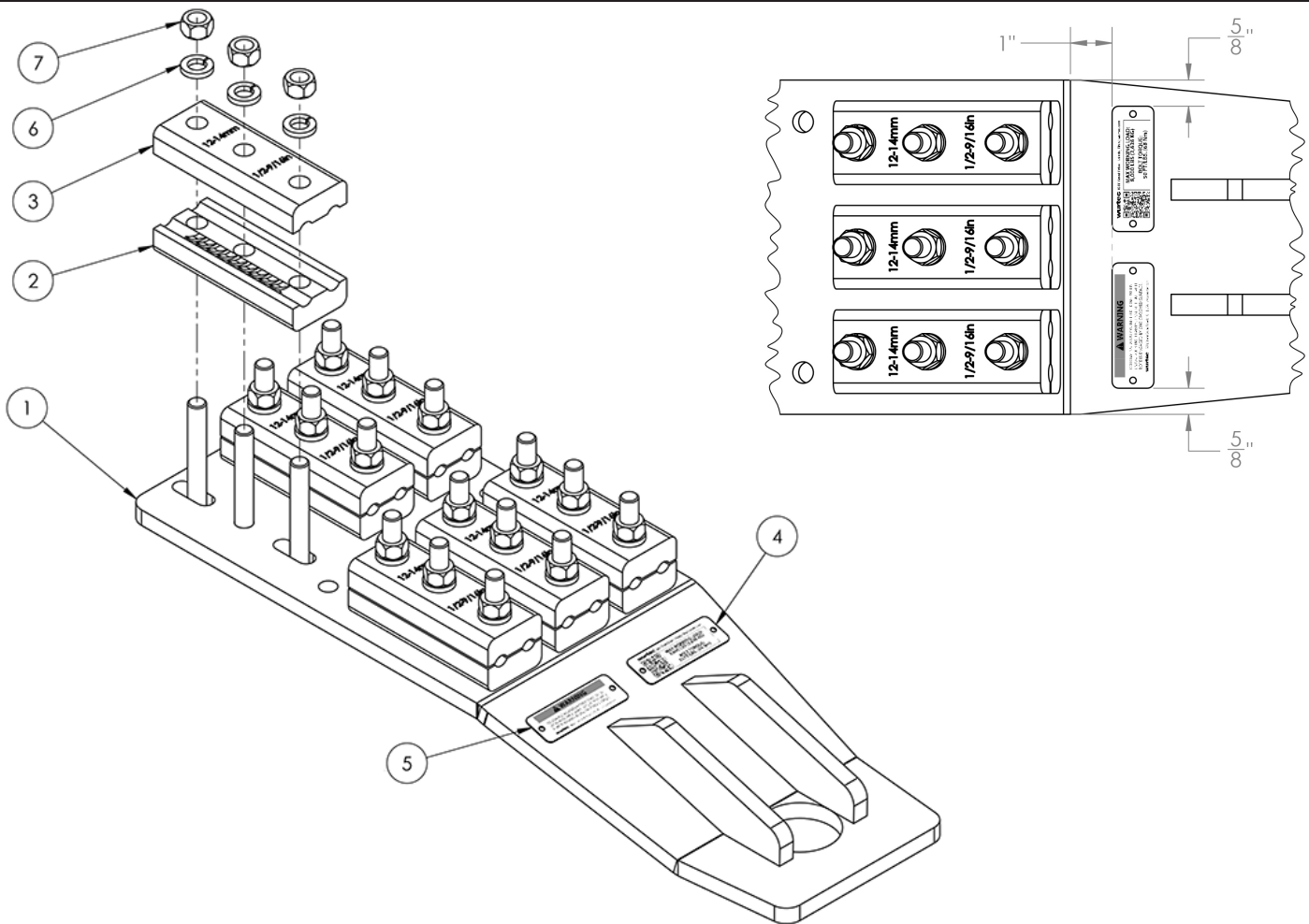
INSTALLATION STEPS



Step 3: Attach the Come Along

- With the Rope Shortening Clamp securely attached to the ropes, connect a come-along to the large hole at the bottom of the hoist bracket and secure the opposite end to the crosshead above the cab.
- Operate the come-along to raise the cab until the ropes are slack.
- Once the ropes are slack, proceed with shortening the ropes.

BILL OF MATERIALS



ITEM	QTY.	PartNo	Description	Size	Length
1	1	60-10094046-280	6 Rope Hoist Weldment (1/2-9/16in (12-14mm))	-	-
2	6	60-10057152	ROEBLING CLAMP 1/2-9/16 IN (12-14 MM) - BOLT	-	-
3	6	60-10057153	ROEBLING CLAMP 1/2-9/16 IN (12-14 MM) - THRU	-	-
4	1	15-10062644	3"X1" CAPACITY PLATE 8K	-	-
5	1	15-10049238	WARNING TAG	-	-
6	18	0123524	SPRING LOCKWASHER	1/2"	-
7	18	0169238	HEX NUT	1/2-13	-