

ROEBLING CLAMPS

Part No. 60-25X

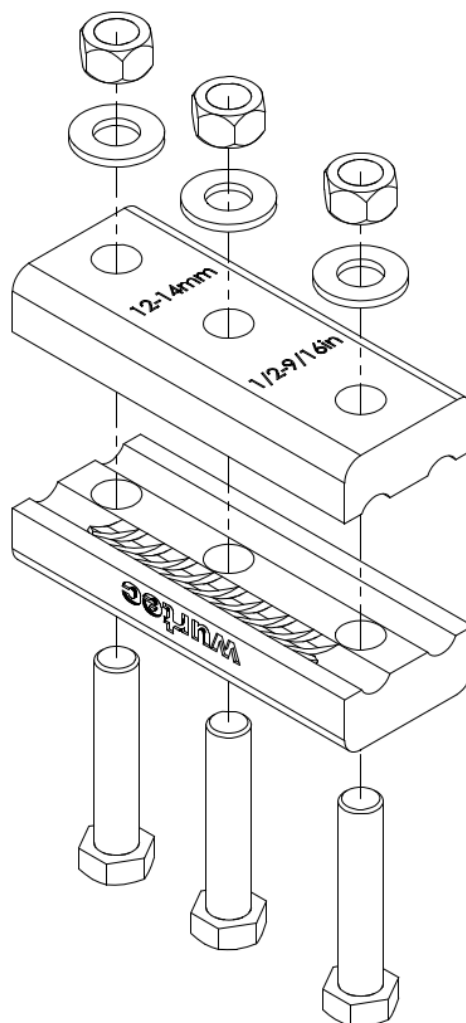


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NOTICE

GENERAL WARNINGS

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 can result in death or serious injury:

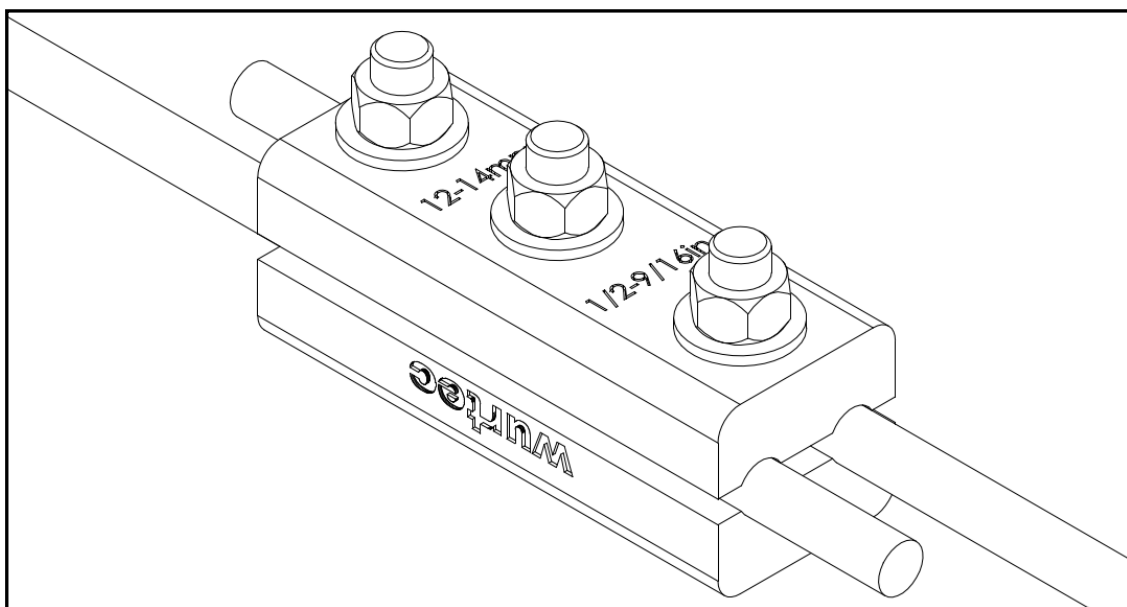
- Ensure proper fasteners are used. See Specifications Section table below for further detail.
- Always torque screws to 80 ft-lbs. Slippage may occur if screws are not torqued correctly.
- Ensure that the Roebling Clamps being used match the rope size for your application. DO NOT USE Roebling Clamps for the wrong sized wire rope.
- Do not use for man riding.
- Do not use with a single rope in both grooves to create a loop.
- Do not use with non-steel ropes.
- Do not use with ropes that have capacities less than the capacity of the clamp in use.
- Never stand under or in the path of the load.
- Inspect spiral ridges in each clamp before use. If the ridges are worn flat or no longer protrude from the cable grooves, do not use clamp.
- Before use, inspect all bolts, washers, and nuts for damage. Do not use clamp if hardware is damaged or worn.

SPECIFICATIONS

Part No.	Rope Size (in • mm)	Torque (ft-lbs • Nm)	Weight (lbs • kg)	Rope Spacing in Clamp (in • mm)	Rope Spacing between Clamps (in • mm)
60-251	5/16 • 7-8	80 • 108.5	3.0 • 1.4	1.00 • 25.4	1.01 • 25.7
60-252	3/8 • 9-10	80 • 108.5	3.5 • 1.6	1.00 • 25.4	1.01 • 25.7
60-253	7/16 • 11	80 • 108.5	4.3 • 2.0	1.00 • 25.4	1.01 • 25.7
60-254	1/2 • 9/16 • 12-14	80 • 108.5	4.3 • 2.0	1.03 • 26.2	1.00 • 25.4
60-255	5/8 • 11/16 • 15-17	80 • 108.5	4.8 • 2.2	1.24 • 31.5	1.10 • 27.9
60-256	3/4 • 18-20	80 • 108.5	5.0 • 2.3	1.32 • 33.5	1.09 • 27.7
60-257	7/8 • 22	80 • 108.5	7.3 • 3.3	1.43 • 36.3	1.56 • 39.6

EQUIPMENT DESCRIPTION & INTENDED USE

Roebeling clamps are precision-cast tools designed for efficient rope shortening, tensioning, and facilitating the installation of new cables. Engineered with spiral ridges on the clamp halves, they deliver a firm and secure grip on ropes. Each clamp is fastened with three bolts and nuts for reliable performance. With a maximum safe working load of 600 lbs per rope, these clamps ensure safety and durability when used with the correctly specified rope size, conveniently marked on each clamp.



INSTALLATION / ASSEMBLY TOOLS REQUIRED

- Torque Wrench
- 3/4" Socket

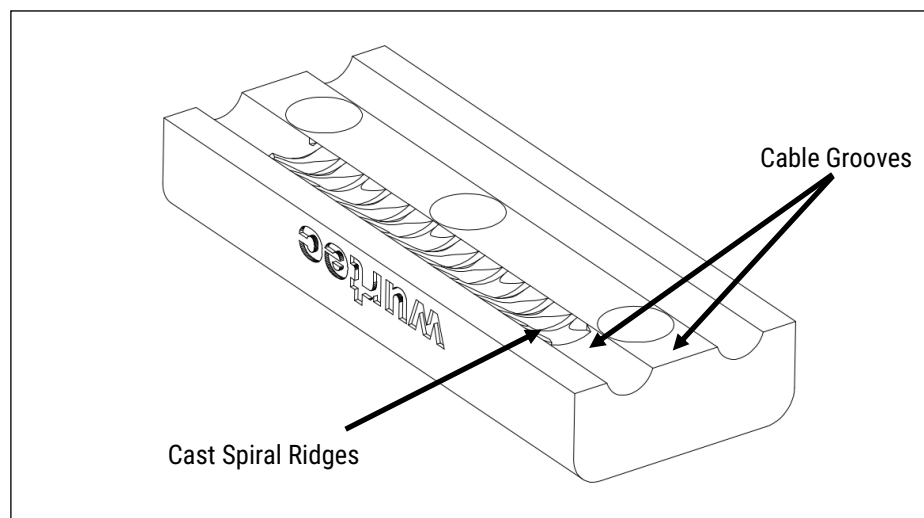
PERSONAL PROTECTION EQUIPMENT (PPE) REQUIRED

The following PPE are recommended when using the Roebling Clamps:

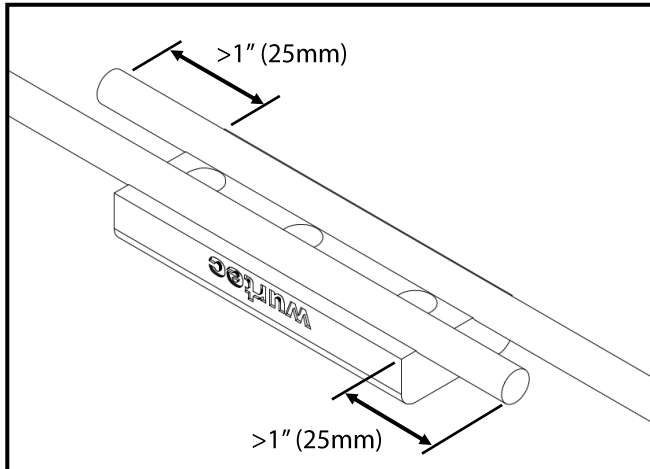
- Safety Glasses
- Hard Hat
- Abrasion-resistant Gloves
- Boots with Steel Toe and Sole

DAILY SAFETY CHECKS

- Inspect spiral ridges in each clamp for wear—if the ridges are worn flat or no longer protrude from the cable grooves, discontinue use of the clamp.
- Inspect all bolts, washers and nuts for damage. Sufficient clamping force is driven by hardware in good condition. If damage occurs, torques may be achieved with insufficient clamping loads. Replace all damaged hardware before further use.
- Ensure both clamp halves have the proper rope size indicated for the application. Holes have been designed to be offset between P/Ns to help prevent incorrect assembly with other size clamps.

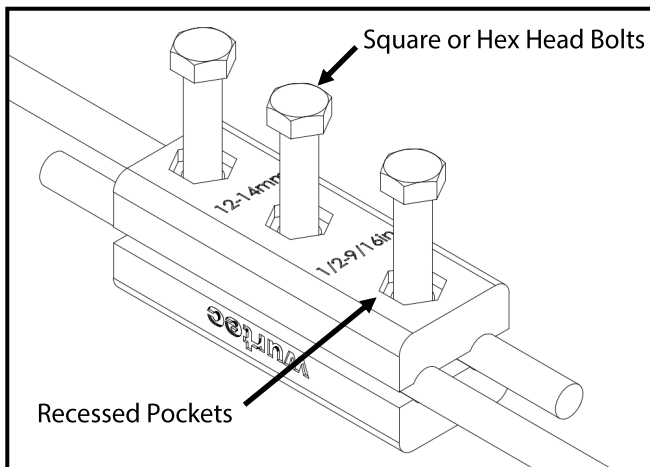


INSTALLATION INSTRUCTIONS



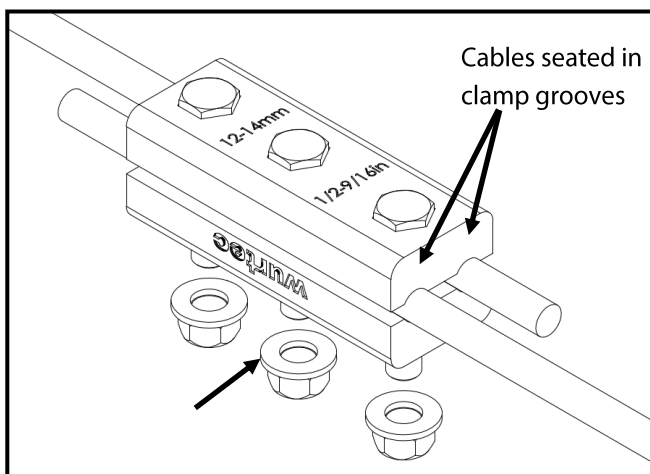
Step 1: Lining up the Ropes

- Line up both ropes in the grooves of one clamp half, ensuring that at least 1" (25mm) of each cable extends past the clamp edge.



Step 2: Securing the Rope

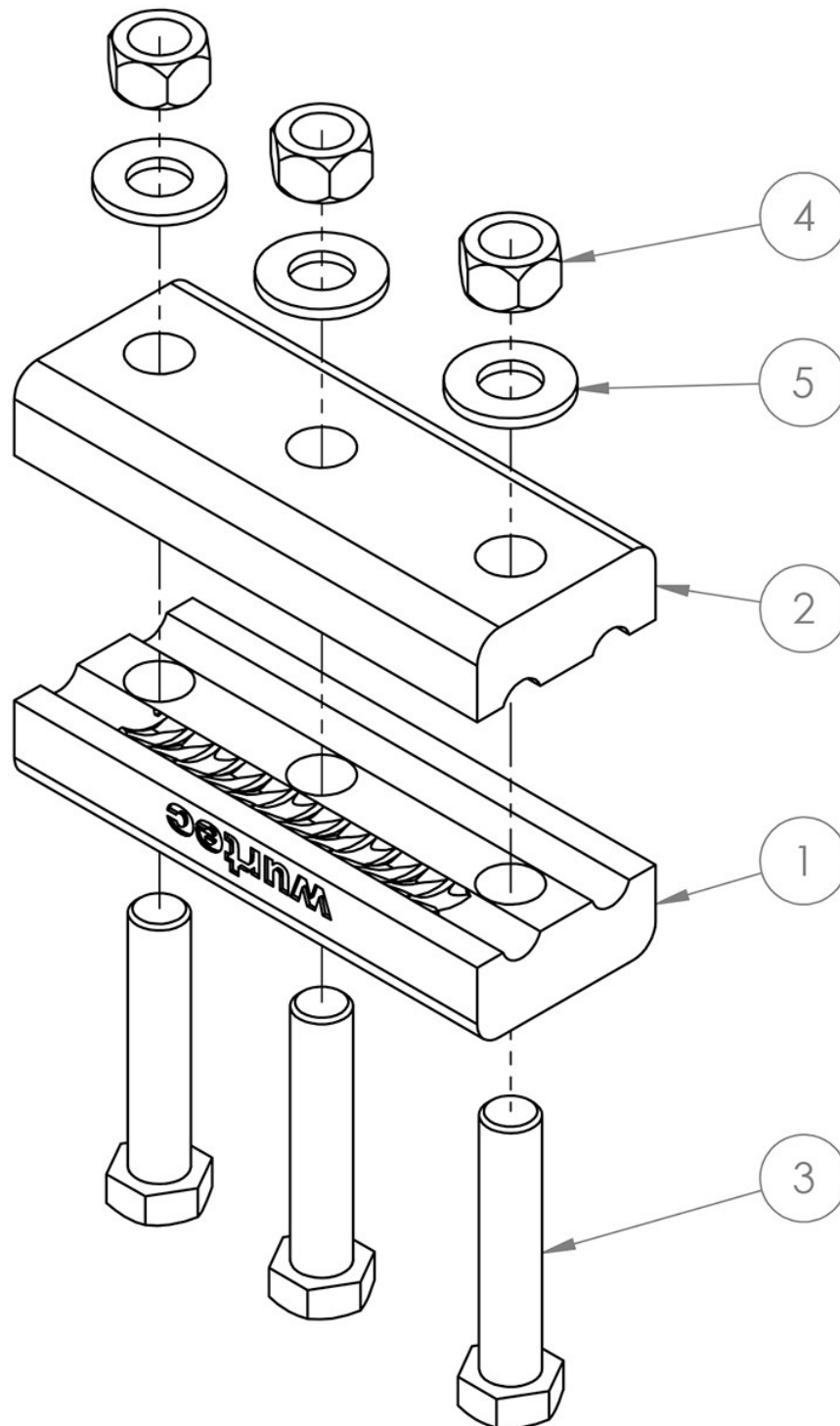
- Insert the included bolts into the recessed pockets and align the second clamp half.
- Ensure the clamps are oriented correctly, with each rope in contact with one set of spiral cast ridges.



Step 3: Tightening the Hardware

- Install the included flat washers and hex nuts and finger tighten. Ensure that both cables are properly seated in the clamp grooves.
- Torque the bolts to 80 ft-lbs in an alternating pattern to ensure equal clamping load.
- *NOTE: DO NOT place any load on either cable until the clamps have been torqued to the appropriate specification.

BILL OF MATERIALS



BILL OF MATERIALS

60-253					
Item	Qty	Part No.	Description	Size	Length
1	1	60-10057150	ROEBLING CLAMP 7/16" (11 MM) BOLT	-	-
2	1	60-10057151	ROEBLING CLAMP 7/16" (11 MM) THRU	-	-
3	3	15213	HEX HEAD CAP SCREW	1/2-13	2 1/2"
4	3	36410	HEX NUT	1/2-13	-
5	3	33086	FLAT WASHER	1/2"	-
60-257					
1	1	60-10057158	ROEBLING CLAMP 7/8" (22 MM) BOLT	-	-
2	1	60-10057159	ROEBLING CLAMP 7/8" (22 MM) THRU	-	-
3	3	15215	HEX HEAD CAP SCREW	1/2-13	3"
4	3	36410	HEX NUT	1/2-13	-
5	3	33086	FLAT WASHER	1/2"	-
60-252					
1	1	60-10057148	ROEBLING CLAMP 3/8" (9-10 MM) BOLT	-	-
2	1	60-10057149	ROEBLING CLAMP 3/8" (9-10 MM) THRU	-	-
3	3	15213	HEX HEAD CAP SCREW	1/2-13	2 1/2"
4	3	36410	HEX NUT	1/2-13	-
5	3	33086	FLAT WASHER	1/2"	-
60-251					
1	1	60-10057146	ROEBLING CLAMP 5/16" (7-8 MM) BOLT	-	-
2	1	60-10057147	ROEBLING CLAMP 5/16" (7-8 MM) THRU	-	-
3	3	15213	HEX HEAD CAP SCREW	1/2-13	2 1/2"
4	3	36410	HEX NUT	1/2-13	-
5	3	33086	FLAT WASHER	1/2"	-
16-055					
1	1	16-055R	CLAMP: ROEBLING; 1/2-9/16" (12-14 MM) RIGHT	-	-
2	1	16-055L	CLAMP: ROEBLING; 1/2-9/16" (12-14 MM) LEFT	-	-
3	3	15213	HEX HEAD CAP SCREW	1/2-13	2 1/2"
4	3	36410	HEX NUT	1/2-13	-
5	3	33086	FLATWASHER	1/2"	-
6	1	60-10040903	16-055 STORAGE BAG	-	-

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BILL OF MATERIALS

16-057					
Item	Qty	Part No.	Description	Size	Length
1	1	16-057L	CLAMP: ROEBLING; 3/4" (18-20 MM) LEFT	-	-
2	1	16-057R	CLAMP: ROEBLING; 3/4" (18-20 MM) RIGHT	-	-
3	3	15213	HEX HEAD CAP SCREW	1/2-13	2 1/2"
4	3	33086	FLATWASHER	1/2"	-
5	3	36410	HEX NUT	1/2-13	-
6	1	60-10040905	16-057 STORAGE BAG	-	-
16-058					
1	1	16-058L	CLAMP: ROEBLING; 5/8-11/16" (15-17 MM) LEFT	-	-
2	1	16-058R	CLAMP: ROEBLING; 5/8-11/16" (15-17 MM)	-	-
3	3	15213	HEX HEAD CAP SCREW	1/2-13	2 1/2"
4	3	33086	FLATWASHER	1/2"	-
5	3	36410	HEX NUT	1/2-13	-
6	1	60-10040906	16-058 STORAGE BAG	-	-