

ALUMINUM WIRE ROPE CLAMP

Part No. 60-05X

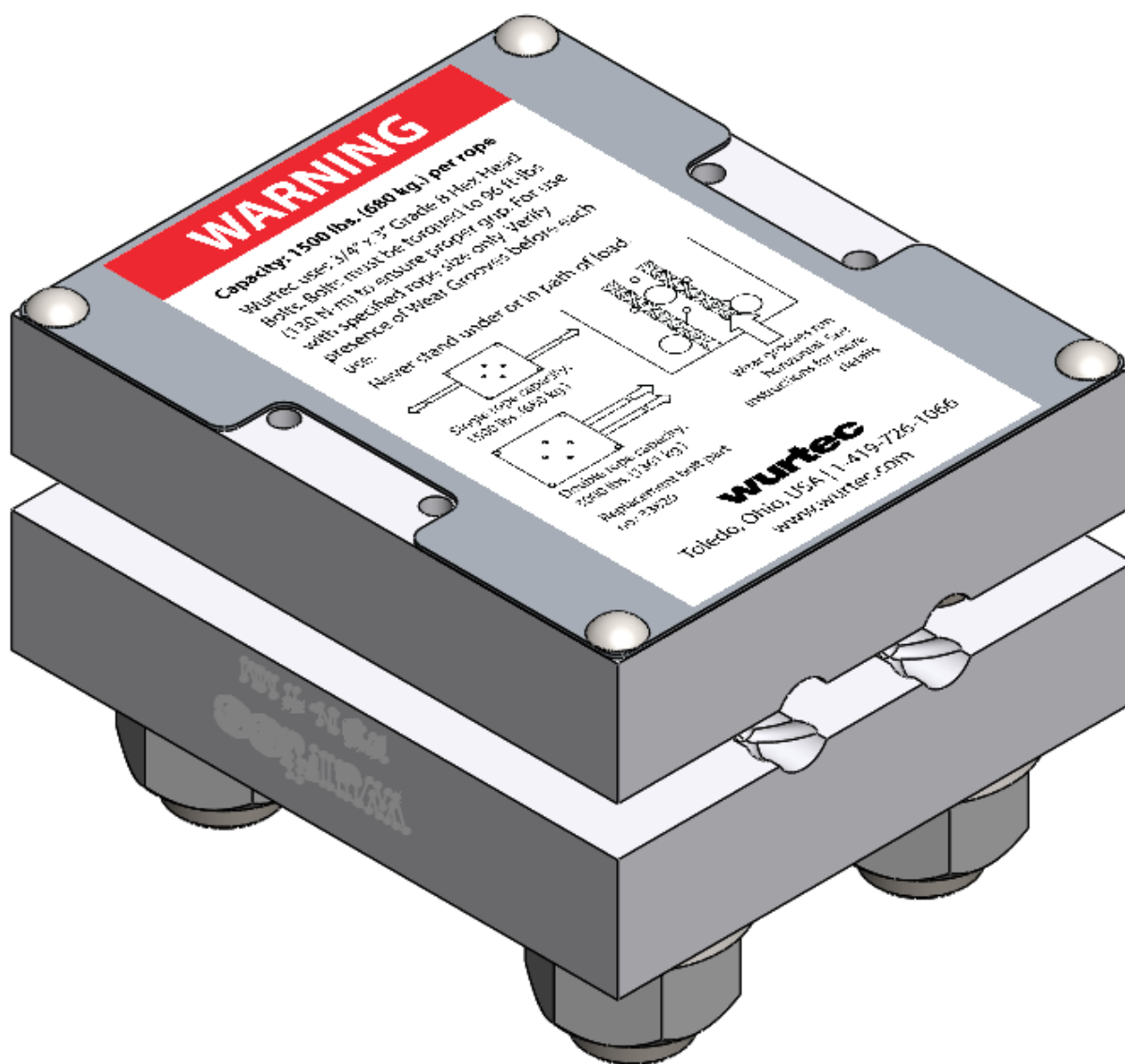


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NOTICE

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

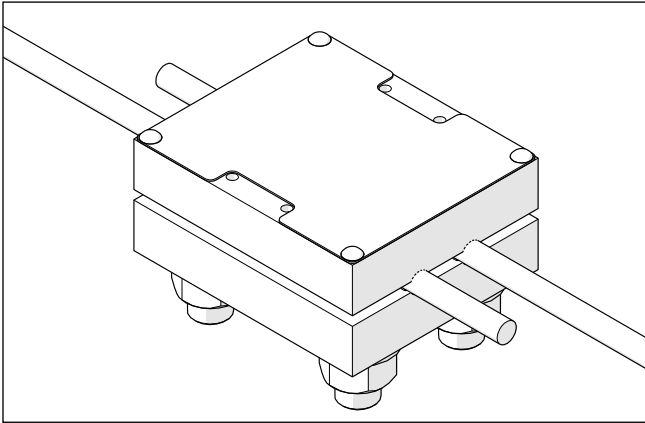
GENERAL REQUIREMENTS

- Clamps should be used with wire rope of the specified size.
- Clamps should be inspected before each use.
- After each use, check for excessive wear. Refer to maintenance for details.

WARNING

- Ensure proper fasteners (3/4" x 3" Grade 8 hex head bolts) are used or serious injury may occur.
- Bolts must be torqued to spec (96 ft-lbs, 130 N-m) or serious injury may occur.
- For use with specified rope size only or serious injury may occur.
- Never stand under or in path of load or serious injury may occur.

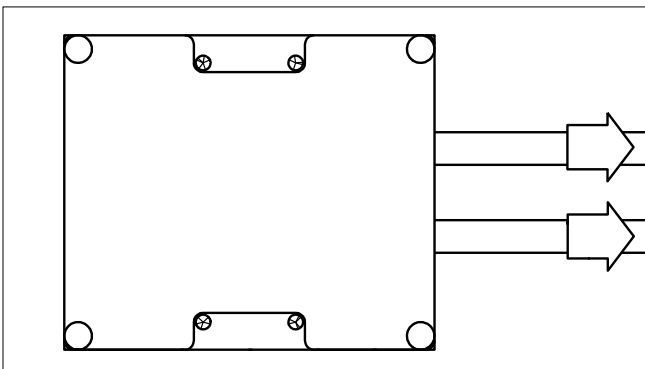
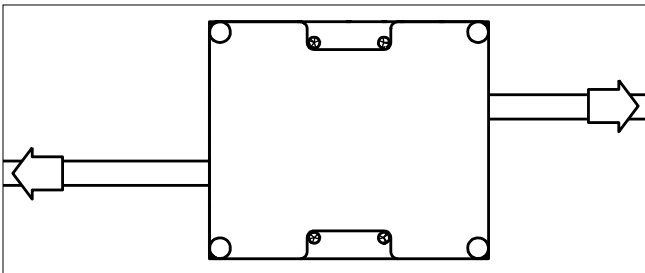
EQUIPMENT DESCRIPTION & INTENDED USE



The **Aluminum Wire Rope Clamps** are to be used to hold two wire ropes of the same size together.

The following are unintended uses of the Rope Clamps:

- 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 rope
- DO NOT use with rope capacities less than the capacity of the clamp in use
- ONLY USE with correct rope size



SPECIFICATIONS

Table 1 defines the Wire Rope Size and Capacity of each clamp.

Part No.	Rope Size (in)	Rope Size (mm)	Capacity (lbs)	Capacity (kg)	Torque Required (ft-lbs)	Weight (lbs)
60-052	7/16	11	1500	680	96	6.92
60-053	7/8	22	2000	907	96	7.61
60-054	3/8	9-10	1500	680	96	6.87
60-055	1/2-9/16	12-14	2000	907	96	7.01
60-056	5/16	7-8	1250	567	96	6.71
60-057	3/4	18-20	2000	907	96	7.47
60-058	5/8-11/16	15-17	2000	907	96	7.19

SAFETY FEATURES

All clamps have two #8 Clearance holes for a spanner wrench to stabilize clamp when in use in environments where meeting torque spec with each bolt is difficult without an additional fulcrum. Wurtec provides a **spanner wrench** for this specific application (Part Number: 60-10040479)

PERSONAL PROTECTION EQUIPMENT (PPE) REQUIRED

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

- Safety glasses
- Hard hat
- Abrasion-resistant gloves

INSTALLATION / ASSEMBLY TOOLS REQUIRED

- Torque wrench
- 1 1/8" socket
- 1/8" allen wrench (Only for maintenance)
- Spanner Wrench (Part Number: 60-10040479)

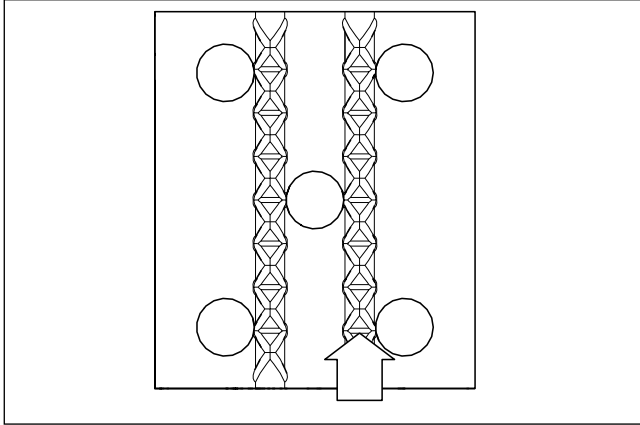
DAILY SAFETY CHECKS

- Check to make sure all horizontal wear grooves are in tact. See Image 2 in Assembly.

MAINTENANCE

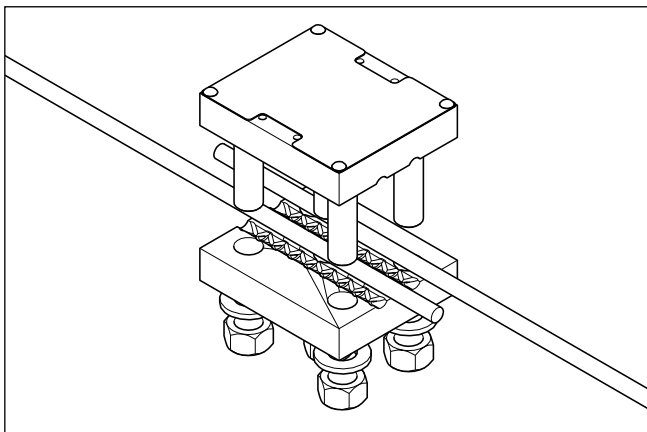
- If 3/4" bolts become damaged, cover can be displaced by removing the #10 screws with a 1/8" allen wrench. Ensure 3/4" bolts are 3" long and at least Grade 8 or equivalent

INSTALLATION INSTRUCTIONS



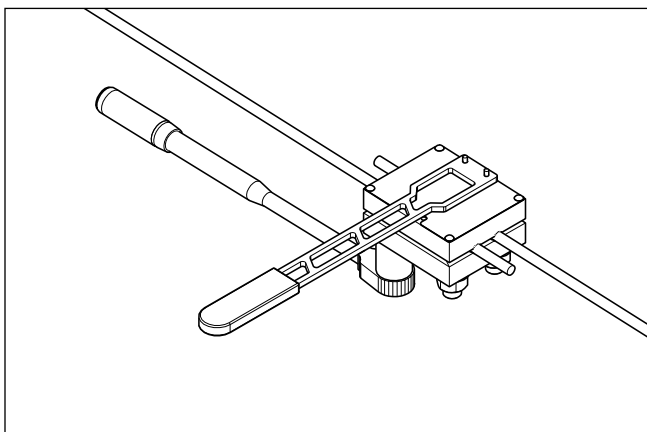
Step1: Perform inspection of wear grooves.

- Before each use, perform an inspection of the wear grooves on the inside of the clamp.
- Horizontal grooves should be visible.



Step 2: Open clamp and insert wire rope.

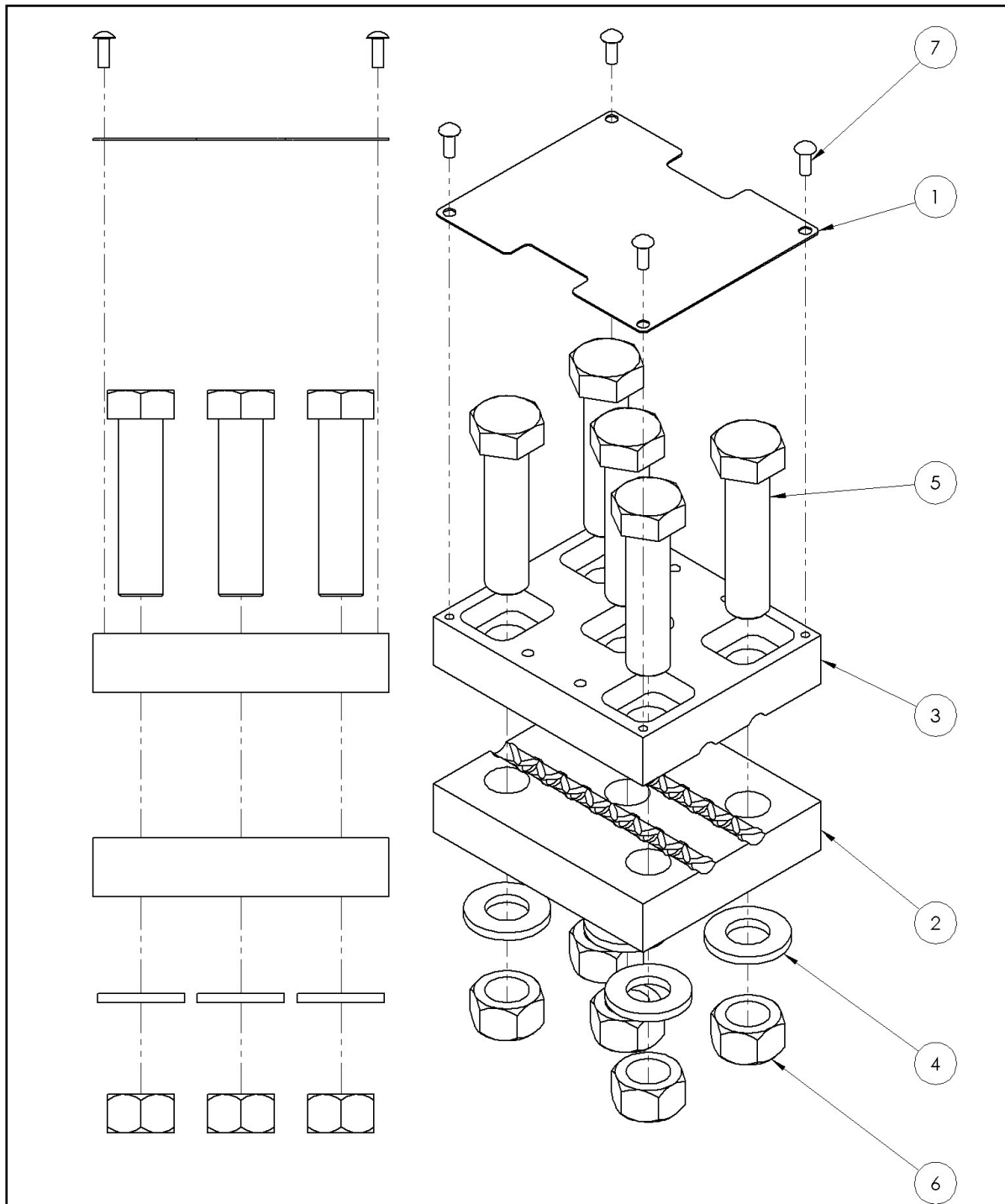
- Remove 3/4" nuts.
- Remove bottom half of clamp.
- Place wire rope within the grooves of the clamp.



Step 3: Close and torque clamp.

- Replace bottom half of clamp and 3/4" nuts.
- Torque nuts to 96 ft-lbs each, starting with the outside corners, then the center. Retightening the outsides again and then confirming the center nut is still at torque spec.
- The use of a **Spanner Wrench** (Part Number: 60-10040479) will likely make this process easier if clamp is in a difficult position to torque the nuts.

BILL OF MATERIALS



BILL OF MATERIALS - SPARE / WEAR

Item	Quantities							Part No	Description	Size	Length	Spare/Wear
	60-052	60-053	60-054	60-055	60-056	60-057	60-058					
1	1							15-10049753	7/16 ALUM CLAMP TAG	-	-	
		1						15-10049751	7/8 ALUM CLAMP TAG	-	-	
			1					15-10049749	3/8 ALUM CLAMP TAG	-	-	
				1				15-10049747	1/2 ALUM CLAMP TAG	-	-	
					1			15-10049745	5/16 ALUM CLAMP TAG	-	-	
						1		15-10049743	3/4 ALUM CLAMP TAG	-	-	
							1	15-10049740	5/8 ALUM CLAMP TAG	-	-	
2	1							60-10049527	AL CLAMP 7/16 IN RIGHT	-	-	Wear
		1						60-10049529	AL CLAMP 7/8 IN RIGHT	-	-	Wear
			1					60-10049531	AL CLAMP 3/8 IN RIGHT	-	-	Wear
				1				60-10049522	AL CLAMP 1/2 IN RIGHT	-	-	Wear
					1			60-10049525	AL CLAMP 5/16 IN RIGHT	-	-	Wear
						1		60-10049518	AL CLAMP 3/4 IN RIGHT	-	-	Wear
							1	60-10049520	AL CLAMP 5/8 IN RIGHT	-	-	Wear
3	1							60-10049528	AL CLAMP 7/16 IN LEFT	-	-	Wear
		1						60-10049530	AL CLAMP 7/8 IN LEFT	-	-	Wear
			1					60-10049532	AL CLAMP 3/8 IN LEFT	-	-	Wear
				1				60-10049523	AL CLAMP 1/2 IN LEFT	-	-	Wear
					1			60-10049526	AL CLAMP 5/16 IN LEFT	-	-	Wear
						1		60-10049519	AL CLAMP 3/4 IN LEFT	-	-	Wear
							1	60-10049521	AL CLAMP 5/8 IN LEFT	-	-	Wear
4	5	5	5	5	5	5	5	33820	HARDENED FLAT WASHER	3/4" x 1.47" OD	-	Spare
5	5	5	5	5	5	5	5	15365	HEX HEAD CAP SCREW	3/4-10	3 In	Spare
6	5	5	5	5	5	5	5	36416	HEX NUT	3/4-10		Spare
7	4	4	4	4	4	4	4	94030	BUTTON HEAD SCREW	#8-24	1/2 In	Spare

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