

M2 SERIES RAIL BLOCKS

Part No. 11-19X-M2

INSTALLATION INSTRUCTIONS

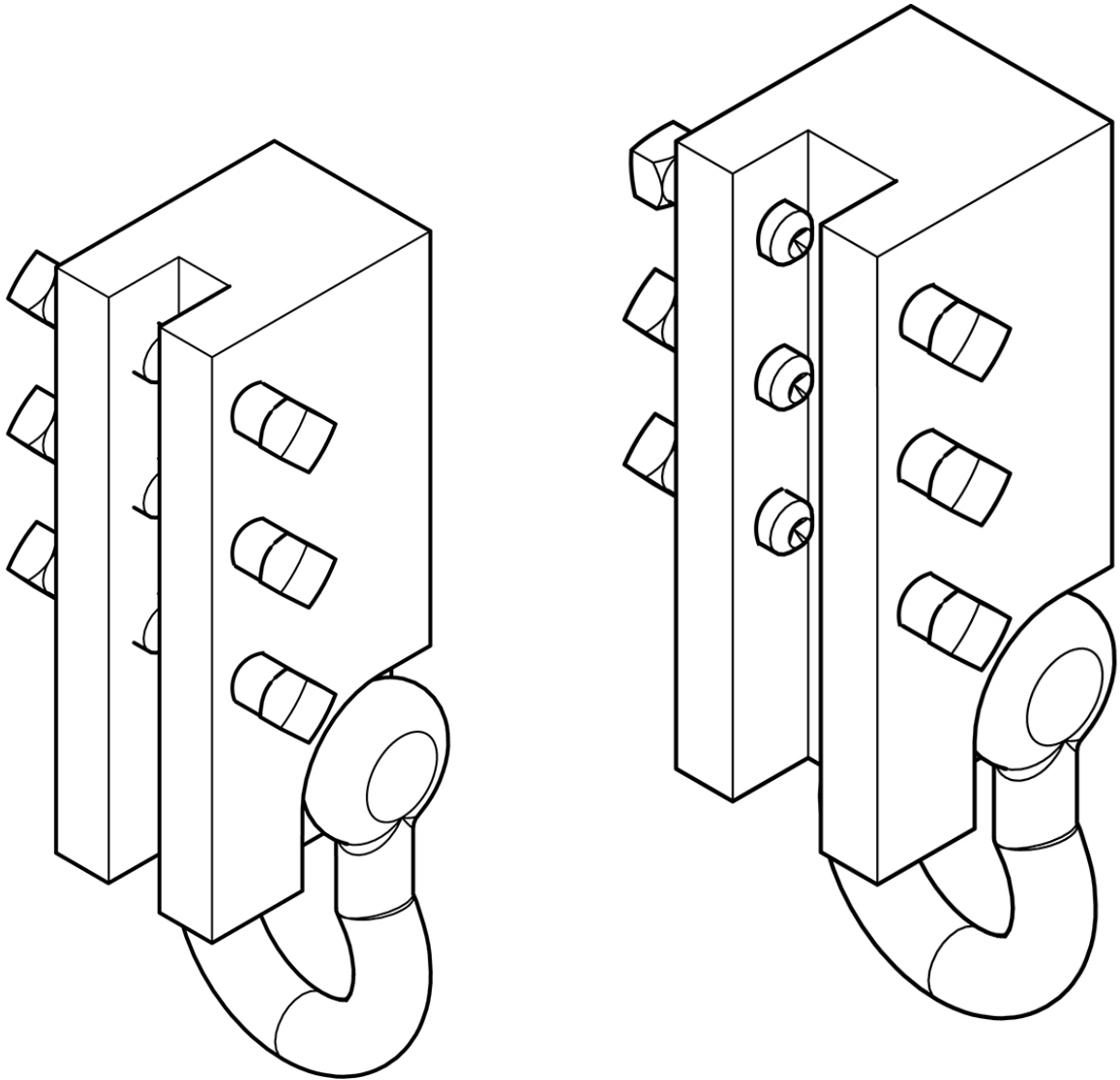


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PRODUCT INFORMATION & SAFETY WARNINGS

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.

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.

EQUIPMENT DESCRIPTION & INTENDED USE

Wurtec's rail blocks have a simple design that allows for quick installation onto a rail. Simply push the rail block onto the rail, then tighten the set screws to the prescribed torque.

Once installed, Wurtec's rail blocks can be used to lift loads, build cars, as a secure space to rest a car or counterweight frame on, or hold support beams in place while building a platform.

WARNING

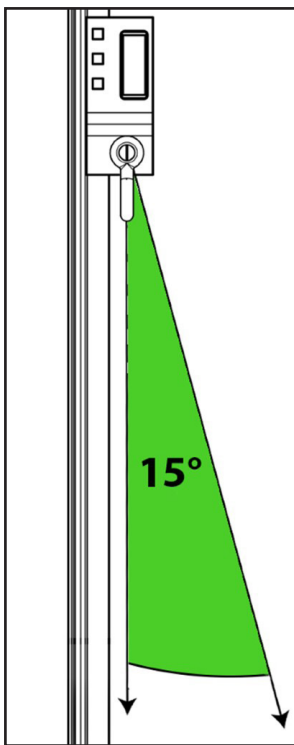
FAILURE TO COMPLY WITH THE FOLLOWING GUIDELINES COULD RESULT IN DEATH OR SERIOUS INJURY

- To prevent overhead loads from falling, ensure the rail blocks are installed correctly and used according to guidelines outlined in this document.
- Use the specification table to verify the rail block type and capacity before installation.
- Always use rail blocks in pairs.
- Tighten all six set screws to the prescribed torque, 70 ft-lbs (94 nm) for 5/8" bolts and 250 ft-lbs (340 nm) for 1" bolts.
- Inspect the rail block, shackle, and set screws before installing. Replace any parts that are worn out or damaged.
- Replace the rail block's set screws after each use.
- Rail Blocks should only be used with the hardware included. Do not use alternate hardware. Contact a Wurtec customer service representative to order replacement parts.

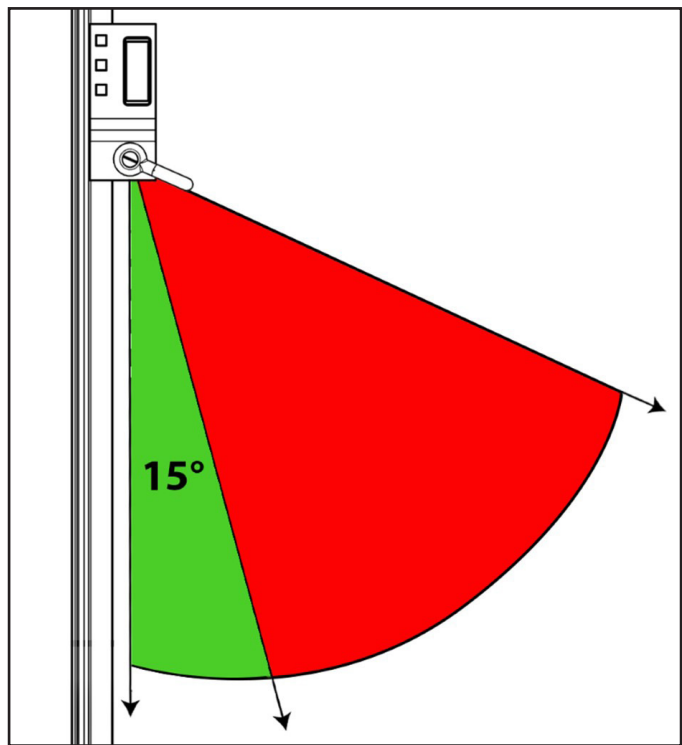
WARNING

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

- When placing the rail block onto the rail, ensure the back is flush with the rail. Misalignment or inversion may result in failure.
- When using rope/chain with rail blocks, ensure the rope is of adequate strength for the load.
- Do not allow anyone to stand under or near the load during hoisting.
- Rail blocks are designed to have all of their load applied to the shackle, with the shackle hanging downwards in the hoistway. Loads should be applied up to 15 degrees of a true vertical load. Rail blocks can fail if the shackle is loaded at more than 15 degrees.
- Ensure the hoistway is clear before installation.



**SAFE USAGE - Shackle with Maximum,
15° Vertical Load**



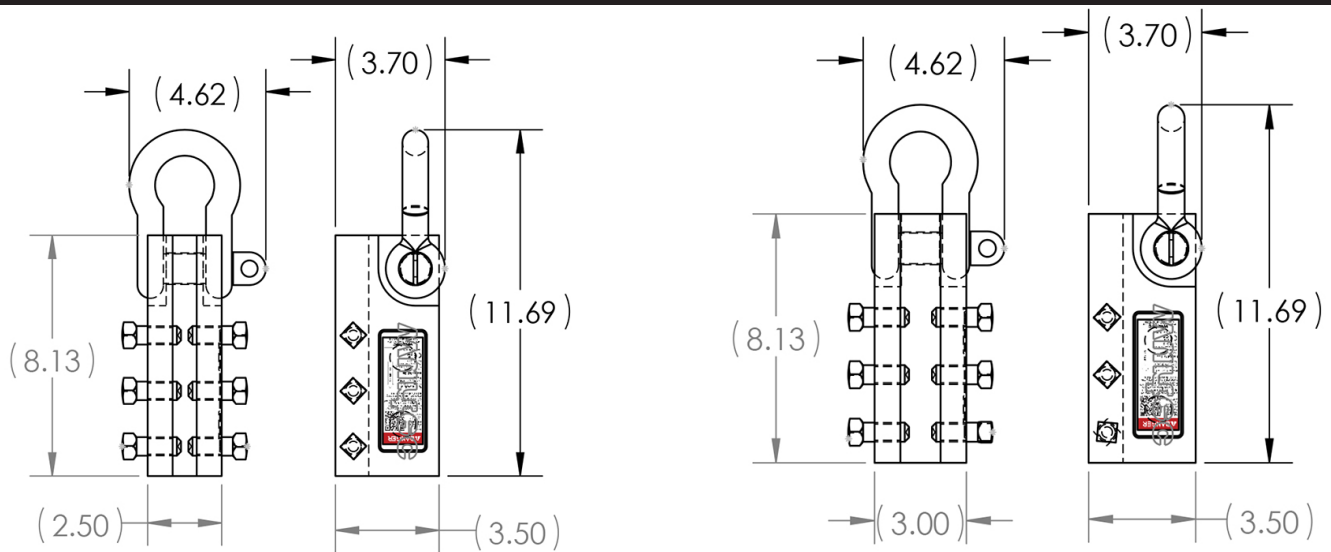
UNSAFE USAGE- Incorrect Use of Shackle

SPECIFICATIONS

Use the following table to determine the correct rail block type and size for your application. Using the wrong size/ type of rail block can lead to rail block failure.

	11-190-M2	11-193-M2
ISO Code	T70-B, T89-B, T114-B, T127-1, T-127-2, T-140-1	T140-2, T140-3
Rail Blade Width	5/8" and 3/4"	1-1/8" to 1-1/4"
Rail Weight	8, 12, 15, & 18 lbs/ft	22 & 30 lbs/ft
Bolt Torque	70 ft-lbs 94 Nm	70 ft-lbs 94 Nm
Set Screw Size	5/8-11 - 1 1/2"	5/8-11 - 1 1/2"
Single Capacity	12,500 lbs 5,670 kg	12,500 lbs 5,670 kg
Capacity in Pairs	25,000 lbs 11,339 kg	25,000 lbs 11,339 kg
Weight	19.8 lbs 8.98 kg	21.4 lbs 9.94 kg
Overall Length	11.69" 29.69 cm	11.69" 29.69 cm
Replacement Set Screw Part No	26159	26159

DIMENSIONS



11-190-M2
5/8" and 3/4" Rail Sizes

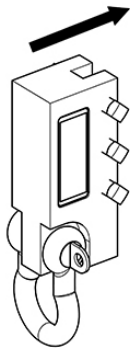
11-193-M2
1-1/8" to 1-1/4" Rail Sizes

REQUIRED TOOLS

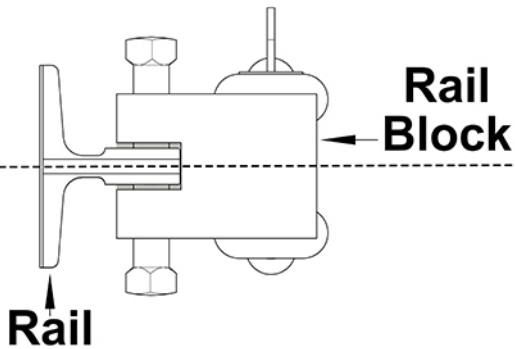
The following are the minimum required tools for installation:

- Torque Wrench
- Square Sockets for 5/8" or 1" bolts.
- Marking Crayon (or similar marking pen)
- Impact Driver or Wrench

INSTALLATION



**Equal Spacing
on Either Side of Rail**



Step 1: Mounting the Rail Block

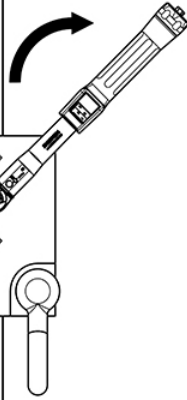
- Rail Blocks can be positioned by one person but may require another person to hold them in place while the set screws are tightened.
- Loosen all of the set screws until the ends are clear of the channel.
- Check the directional tag on the rail block, then push the rail block, clevis side down, onto the rail. Ensure the rail block is flush with the nose of the rail.

Step 2: Centering the Rail Block

- Center the rail block on the rail, then hand-tighten the set screws until they meet the centered rail.

Step 3: Securing the Rail Block

- Torque all six set screws to 70 ft-lbs (94 Nm)
- Important: Always use a calibrated torque wrench to ensure the set screws are tightened to the correct torque values. This step is essential for the proper function and safety of the rail block.



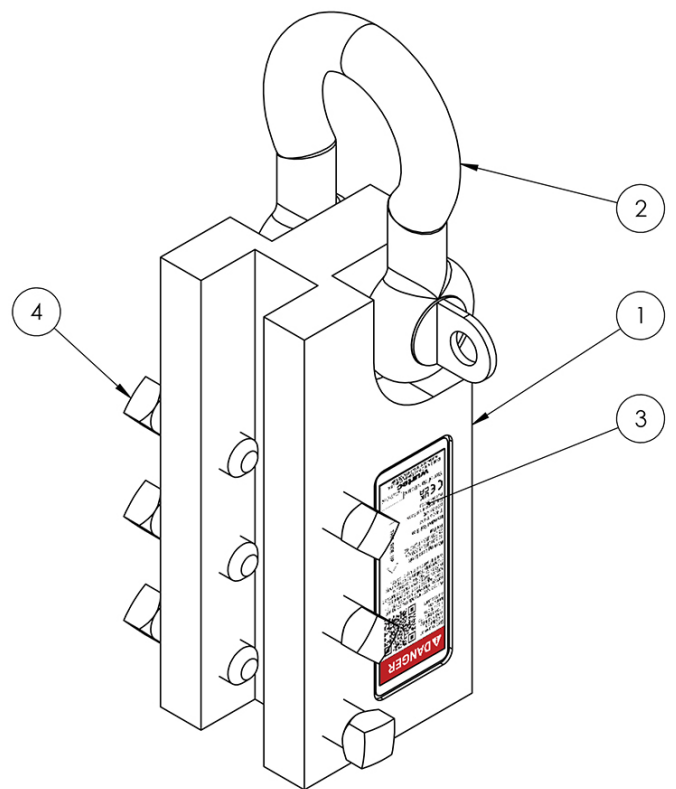
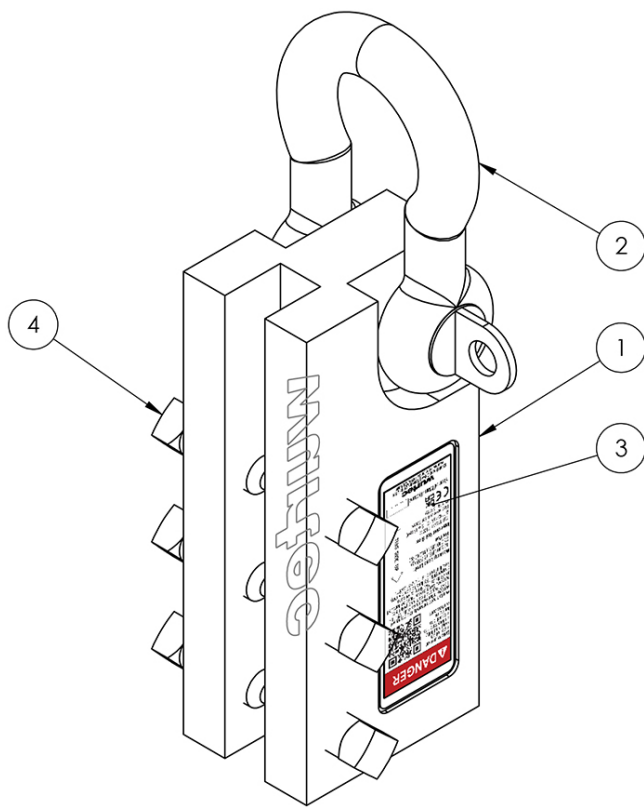
DAILY CHECKS & MAINTENANCE

**Mark
Here**



- After installing the rail block, use a marking crayon (or similar) to mark the rail where the bottom of the rail block sits.
- After daily use, check the marking to see if the rail block has slipped down the rail. The block should be flush with the rail, and the set screws should be tight.
- Check all hardware before use.
- Ensure that the set screws are sharp and intact before use. Wurtec recommends replacing set screws after each use.

BILL OF MATERIALS



11-190-M2					
ITEM	QTY.	PartNo	Description	Size	Length
1	1	15-10088894	8# - 18# MACHINED BLOCK	-	-
2	1	16-034	ANCHOR SHACKLE	8 1/2 TON	-
3	1	15-10088946	8# - 18# DANGER TAG	-	-
4	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4 In
11-193-M2					
1	1	15-10088940	22# - 30# MACHINED BLOCK	-	-
2	1	16-034	ANCHOR SHACKLE	8 1/2 TON	-
3	1	15-10088947	22# - 30# DANGER TAG	-	-
4	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4 In