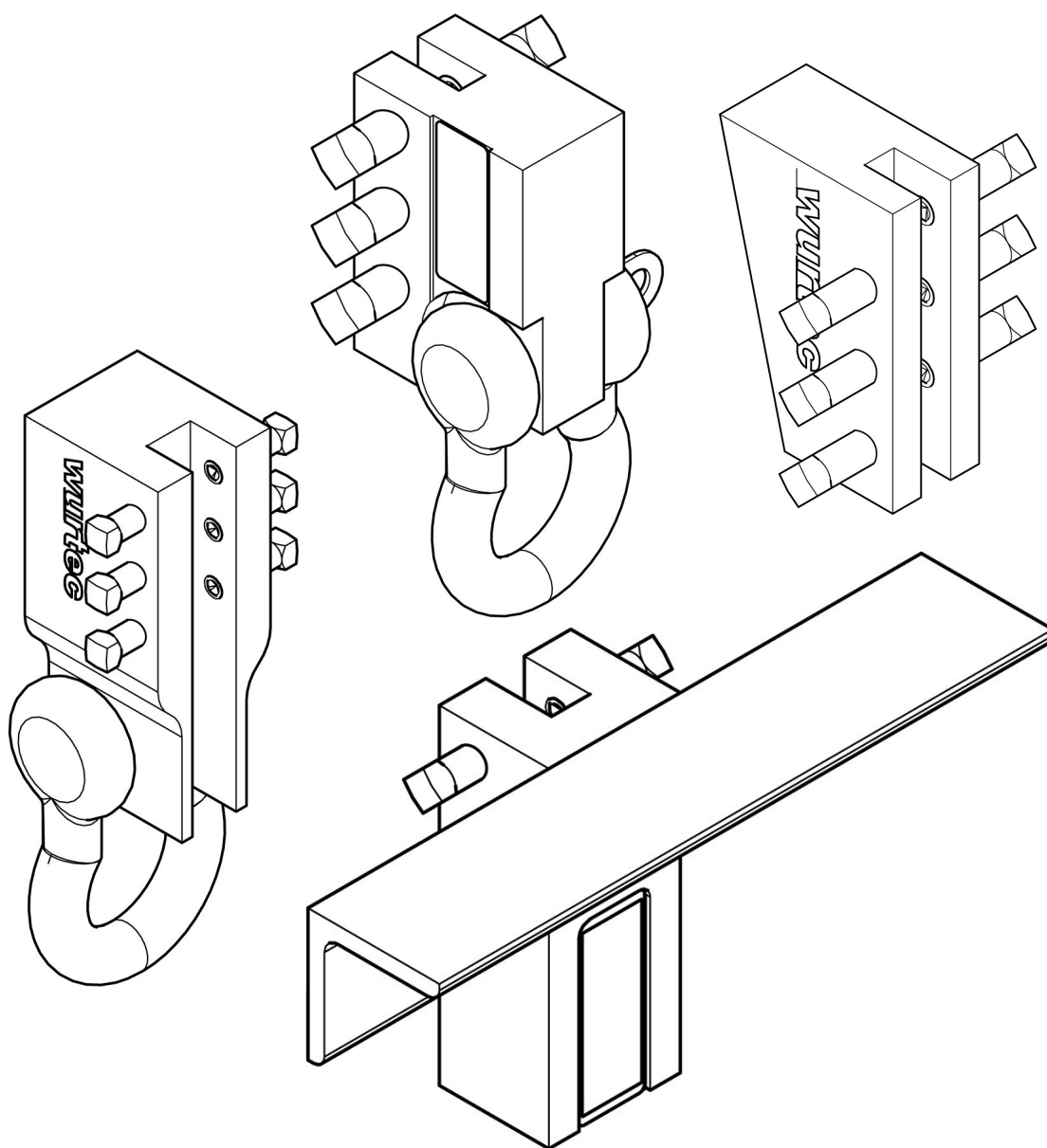


RAIL BLOCKS C €

Part No. 11-18X | 11-19X | 70-1000X



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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:

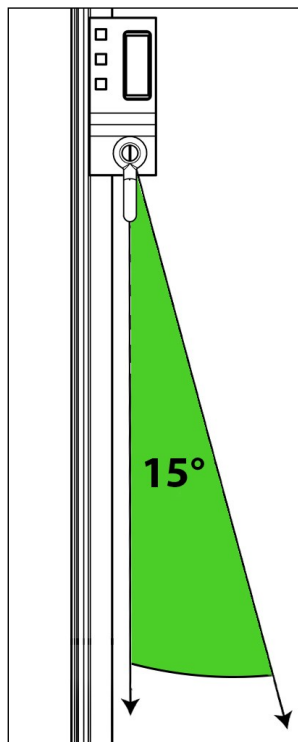
- To prevent overhead loads from falling, ensure the rail blocks are installed correctly and used according to guidelines outlined in this document.
- Use the specification table to verify the rail block type and capacity before installation.
- Always use rail blocks in pairs.
- Tighten all six set screws 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.
- Ensure the hoistway is clear before installation.

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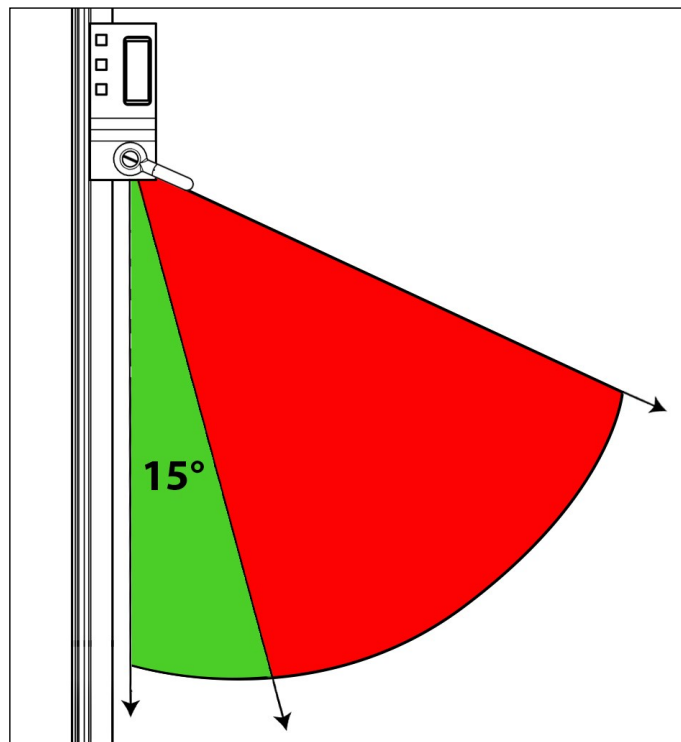
WARNING

Failure to comply with the following guidelines can 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.



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



UNSAFE USAGE- Incorrect Use of Shackle

! WARNING

SPECIFICATION TABLE

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.

Part No.	ISO Code	Rail Blade Width (in • mm)	Weight (lb • kg)	WLL Per Pair (lb • kg)	Rail Weight (lbs / ft)	Set Screw Size (in)	Bolt Torque (ft-lbs / N-m)
Standard Rail Blocks							
11-180	T89 T127-1 T127-2	5/8 • 16	10.4 • 4.7	25000 • 11340	8, 12, 15	5/8-11 - 1 3/4"	70/94
11-181	T140-1	3/4 • 19	15.6 • 7	25000 • 11340	18	5/8-11 - 1 3/4"	70/94
11-183	T140-2 T140-3	1-1/8 to 1-1/4 • 29 to 32	17.2 • 7.8	25000 • 11340	22, 30	5/8-11 - 1 3/4"	70/94
Car Building Rail Blocks							
11-185	T89 T127-1 T127-2 T140-1	5/8 to 3/4 • 16 to 19	22.3 • 10.1	25000 • 11340	8, 12, 15, 18	5/8-11 - 1 3/4"	70/94
11-185-04	T89 T127-1 T127-2 T140-1	5/8 to 3/4 • 16 to 19	35.9 • 16.3	15000 • 6804	8, 12, 15, 18	5/8-11 - 1 3/4"	70/94
11-186	T140-2 T140-3	1-1/8 to 1-1/4 • 29 - 32	23.5 • 10.6	25000 • 11340	22, 30	5/8-11 - 1 3/4"	70/94
11-187	T89 T127 T127-2 T140-1	5/8 to 3/4 • 16 to 19	16.8 • 7.6	25000 • 11340	8, 12, 15, 18	5/8-11 - 1 3/4"	70/94

! WARNING

SPECIFICATION TABLE

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.

Part No.	ISO Code	Rail Blade Width (in • mm)	Weight (lb • kg)	WLL Per Pair (lb • kg)	Rail Weight (lbs / ft)	Set Screw Size (in)	Bolt Torque (ft-lbs / N-m)
Rail Block with Clevis							
11-190-M	T89 T127-1 T127-2	5/8 • 16	20.2 • 9.2	25000 • 11340	8, 12, 15	5/8-11 - 1 3/4"	70/94
11-191	T140-1	3/4 • 19	33.3 • 15.1	25000 • 11340	18	5/8-11 - 1 3/4"	70/94
11-191-M	T140-1	3/4 • 19	28.5 • 12.9	25000 • 11340	18	5/8-11 - 1 3/4"	70/94
11-193	T140-2 T140-3	1-1/8 to 1-1/4 • 29 to 32	33.7 • 15.3	25000 • 11340	22, 30	5/8-11 - 1 3/4"	70/94
11-193-M	T140-2 T140-3	1-1/8 to 1-1/4 • 29 to 32	28.5 • 12.9	25000 • 11340	22, 30	5/8-11 - 1 3/4"	70/94
70-10002008	T70-2 T75-3	5/16 to 3/8 • 8 to 10	14 • 6.4	14000 • 6350	5,6	5/8-11 - 1 3/4"	70/94
Heavy Duty Rail Blocks with Clevis							
70-10008459	T127-1 T127-2 T140-1	5/8 • 16 3/4 • 19	35.7 • 16.2	35000 • 15875	8, 12, 15, 19	1-8 - 2"	250/340
70-10001612	T140-2 T140-3	1-1/8 to 1-1/4 • 29 to 32	41.4 • 18.8	35000 • 15875	22,30	1-8 - 2"	250/340

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.

INSTALLATION / ASSEMBLY TOOLS REQUIRED

The following are the minimum required tools for installing and performing daily checks on the Wurtec rail blocks:

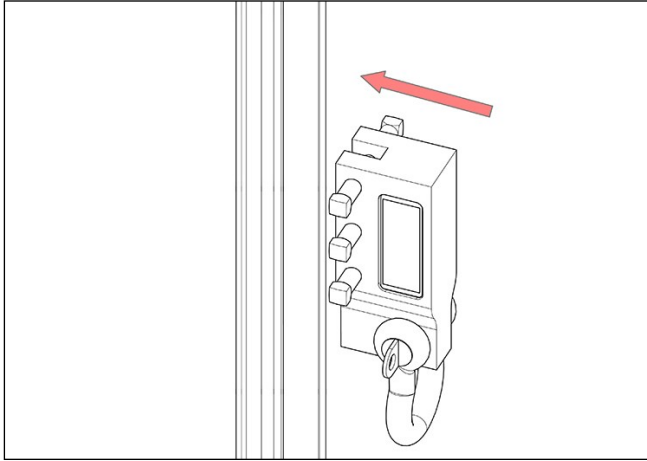
- Torque Wrench
- Square Sockets for 5/8" or 1" bolts.
- Marking Crayon (or similar marking pen)
- Impact Driver or Wrench

PERSONAL PROTECTIVE EQUIPMENT REQUIRED

The following PPE is recommended for installation:

- Safety glasses
- Hard hat
- Abrasion-resistant gloves
- Steel toed boots
- Safety Vest
- Harness and attached lifeline

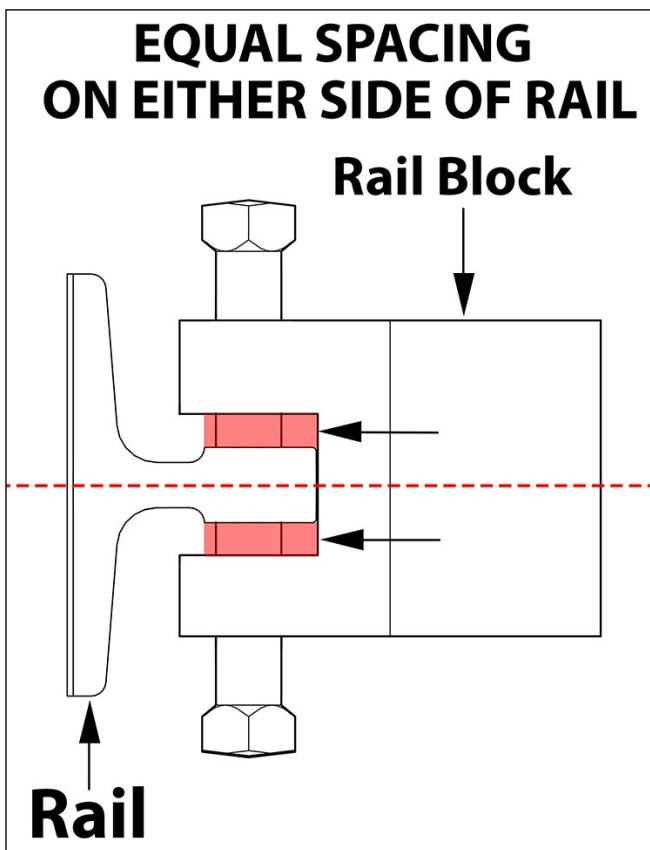
INSTALLATION INSTRUCTIONS



Step 1: Mounting the Rail Block

Step 1: Mounting the Rail Block

- All rail blocks weigh less than 55 lbs. They 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.

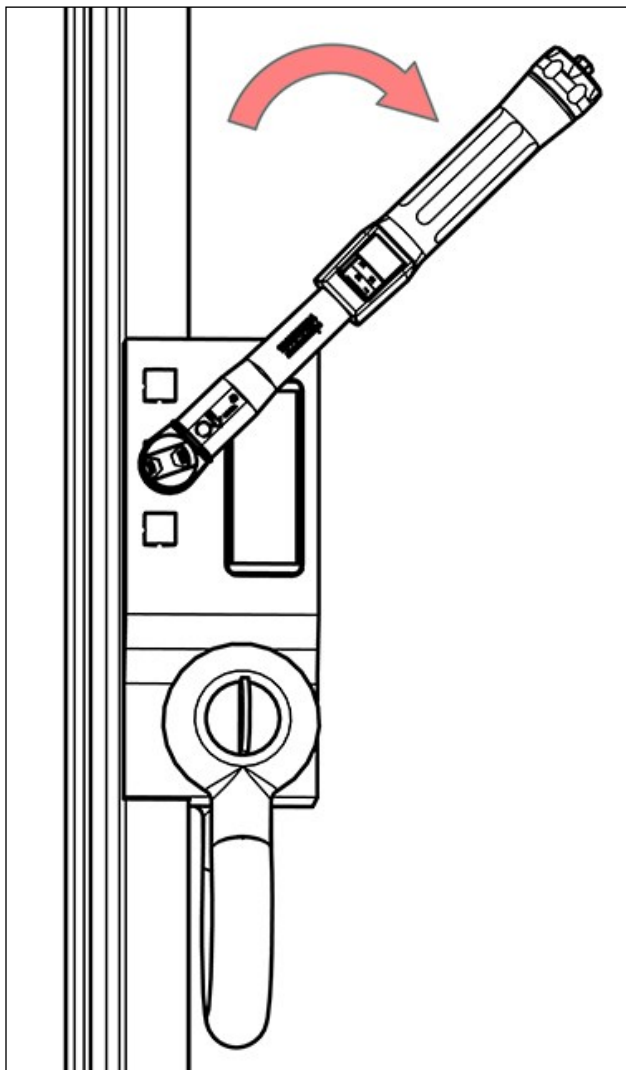


Step 2: Centering the Rail Block

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.

INSTALLATION INSTRUCTIONS

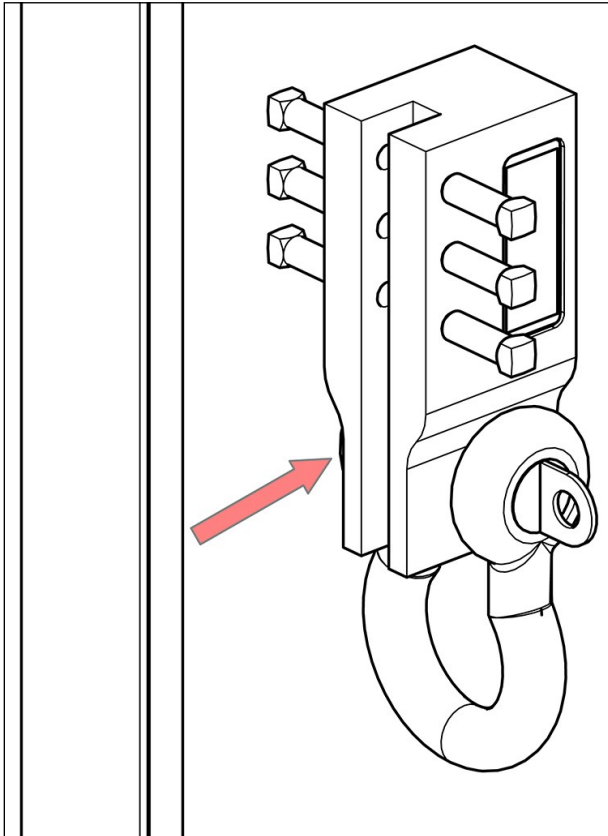


Step 3: Securing the Rail Block

Step 3: Securing the Rail Block

- Use a torque wrench to tighten all six set screws to the prescribed torque:
 - 70 ft-lbs (94 nm) for 5/8" bolts
 - 250 ft-lbs (340 nm) for 1" bolts
- *NOTE: Torque wrench **MUST** be used to ensure proper function of rail block.
- After initial torquing of all six set screws, re-torque each set screw to the required value listed above.

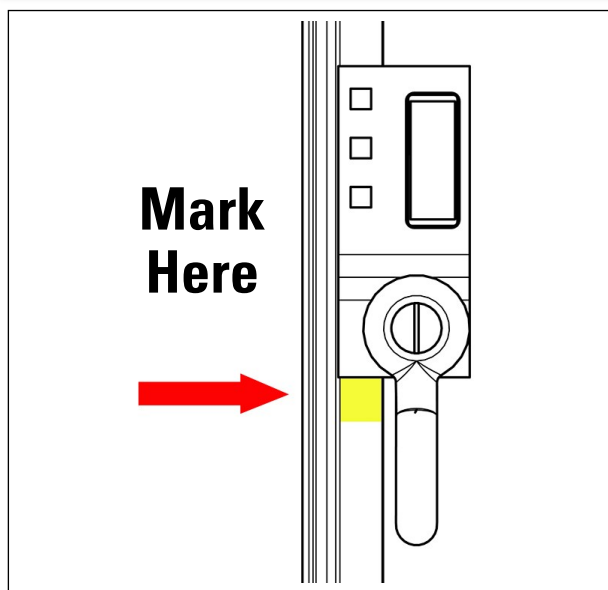
REMOVAL & STORAGE



Removal & Storage

- Use an impact driver or wrench to loosen the set screws.
- Once the set screws are free of the channel, the rail block can be pulled off of the rail.
- Wurtec recommends discarding set screws after use. To order additional set screws, please call Wurtec Sales - 1-800-837-1066.
- Check the rail block and shackle for damage or wear.
- Store in a safe, dry location.

DAILY CHECKS & MAINTENANCE



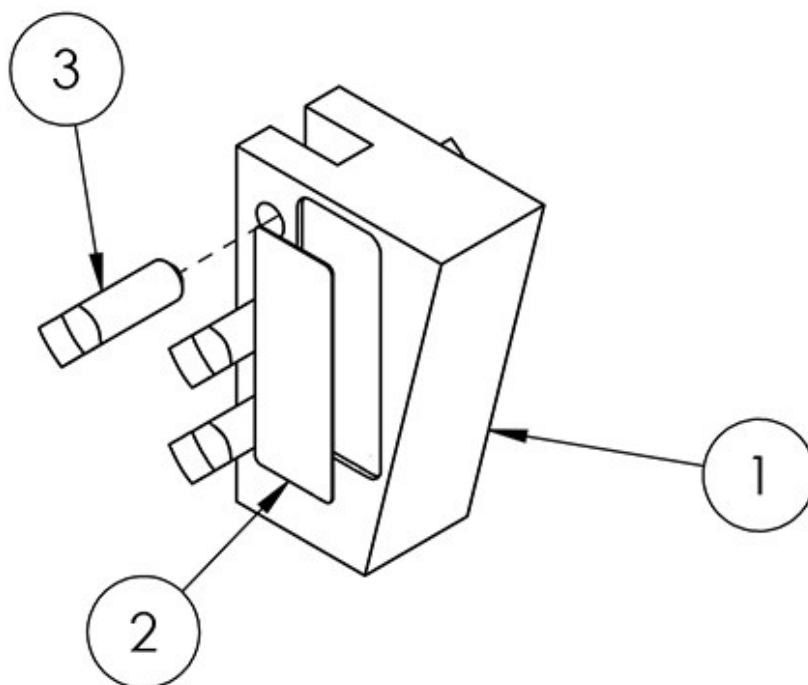
Daily Checks and Maintenance

- 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. Discard and replace screws regularly.

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BILL OF MATERIALS

11-180 (Model Shown)



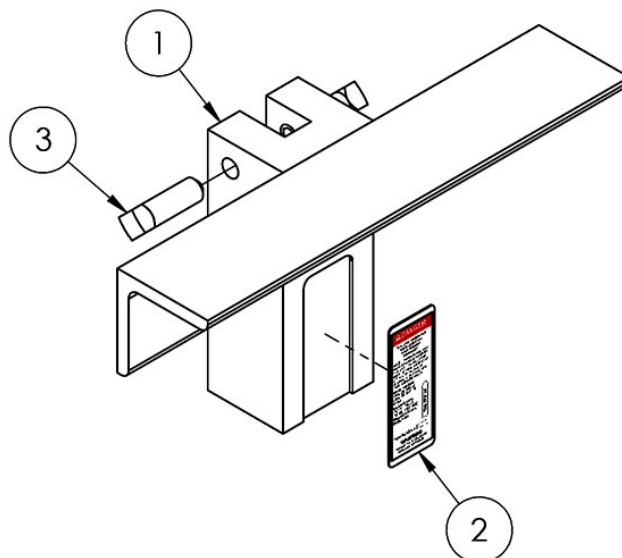
Standard Rail Blocks

Item	Qty	Part No.	Description	Size	Length	Spare/Wear
11-180						
1	1	11-180-00	RAIL BLOCK, 5/8" RAIL	-	-	-
2	1	15-10047349	DANGER STICKER (127-2)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE
11-181						
1	1	11-181-00	RAIL BLOCK, 3/4" RAIL	-	-	-
2	1	15-10047350	DANGER STICKER (T140-1)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE
11-183						
1	1	11-183-00	RAIL BLOCK, 1 1/8" & 1 1/4" RAIL	-	-	-
2	1	15-10047351	DANGER STICKER (T140-2 & T140-3)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE

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BILL OF MATERIALS

11-185 (Model Shown)



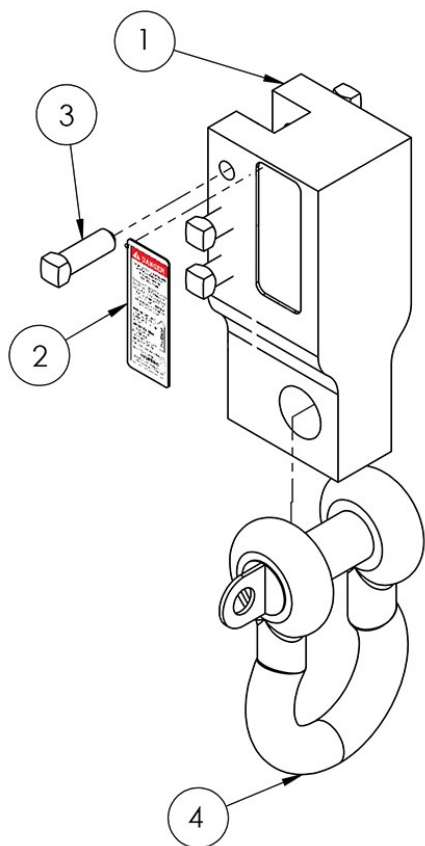
Car Building Blocks

Item	Qty	Part No.	Description	Size	Length	Spare/Wear
11-185						
1	1	11-185-01	5/8" & 3/4" RAIL BLOCK WELDMENT	-	-	-
2	1	15-10054604	DANGER STICKER (T127-2 & T140-1)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE
11-185-04						
1	1	11-185-04-02	5/8" & 3/4" RAIL BLOCK WELDMENT	-	-	-
2	1	15-10047353	DANGER STICKER (T127-2 & T140-1)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE
11-186						
1	1	11-186-01	1 1/8" & 1 1/4" RAIL BLOCK WELDMENT	-	-	-
2	1	15-10047351	DANGER STICKER (T140-2 & T140-3)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE
11-187						
1	1	10065523	5/8" & 3/4" RAIL BLOCK WELDMENT	-	-	-
2	1	15-10054604	DANGER STICKER (T127-2 & T140-1)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE

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BILL OF MATERIALS

11-193 (Model Shown)



Rail Block with Clevis

Item	Qty	Part No.	Description	Size	Length	Spare/Wear
11-190-M						
1	1	11-190-M-00	RAIL BLOCK W/ CLEVIS, 5/8" RAIL	-	-	-
2	1	15-10047346	DANGER STICKER (T127-2 CE MARKED)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE
4	1	16-034	ANCHOR SHACKLE	8.5 TON	-	-

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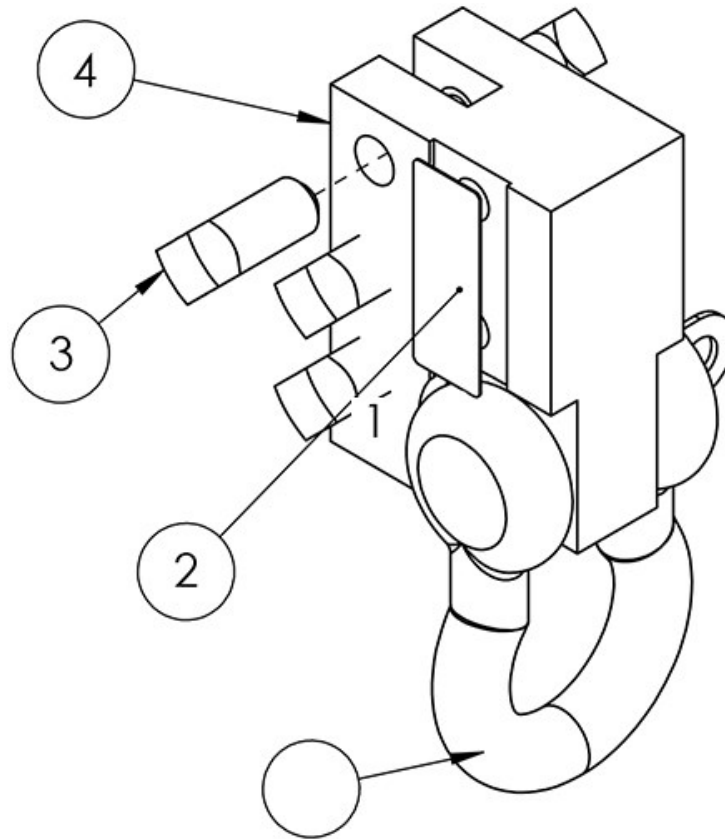
BILL OF MATERIALS

Item	Qty	Part No.	Description	Size	Length	Spare/Wear
11-191						
1	1	11-191-00	RAIL BLOCK W/ CLEVIS, 3/4" RAIL	-	-	-
2	1	15-10047348	DANGER STICKER (T140-1 CE MARKED)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE
4	1	16-037	ANCHOR SHACKLE	14 TON	-	-
11-191-M						
1	1	11-191-M-00	3/4" MACHINED RAIL BLOCK	-	-	-
2	1	15-10047348	DANGER STICKER (T140-1 CE MARKED)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE
4	1	16-037	ANCHOR SHACKLE	14 TON	-	-
11-193						
1	1	11-193-00	RAIL BLOCK W/ CLEVIS, 1 1/8" & 1 1/4" RAIL	-	-	-
2	1	15-10047347	DANGER STICKER (T140-2 & T140-3 CE MARKED)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE
4	1	16-037	ANCHOR SHACKLE	14 TON	-	-
11-193-M						
1	1	11-193-M-00	1 1/8" AND 1 1/4" MACHINED RAIL BLOCK	-	-	-
2	1	15-10047347	DANGER STICKER (T140-2 & T140-3 CE MARKED)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE
4	1	16-037	ANCHOR SHACKLE	14 TON	-	-
70-10002008						
1	1	70-10002009	RAIL BLOCK WITH CLEVIS, 8-10 MM RAIL	-	-	-
2	1	15-10047352	DANGER STICKER (T70-2 & T75-3)	-	-	-
3	6	26160	SQUARE HEAD SET SCREW	5/8-11	1 3/4"	SPARE
4	1	16-033	ANCHOR SHACKLE	6.5 TON	-	-

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BILL OF MATERIALS

70-10008459 (Model Shown)



Heavy Duty Rail Block with Clevis

Item	Qty	Part No.	Description	Size	Length	Spare/Wear
70-10008459						
1	1	70-10008460	RAIL BLOCK BODY, HD	-	-	-
2	1	15-10063897	DANGER STICKER FOR 70-10008459	-	-	-
3	6	26256	SQUARE HEAD SET SCREW	1-8	2"	SPARE
4	1	16-037	ANCHOR SHACKLE	14 TON	-	-
70-10001612						
1	1	70-10001613	RAIL BLOCK BODY, JUMBO HD	-	-	-
2	1	15-10063896	DANGER STICKER FOR 70-10001612	-	-	-
3	6	26256	SQUARE HEAD SET SCREW	1-8	2"	SPARE
4	1	16-037	ANCHOR SHACKLE	14 TON	-	-

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DECLARATION OF CONFORMITY**EC Declaration of Conformity****Manufacturer**

Wurtec Inc. (C/O Henning GmbH & Co KG)
Loher Str 26A & 30A
Schwelm
58332
Germany

Product description: Lifting accessories for attachment to elevator rails.
Type: 11-190
11-190-M
11-191
11-191-M
11-193
11-193-M
70-10002008
70-10008459
70-10001612

Model: Rail Block with Clevis

The Wurtec Rail Block with Clevis is in conformity with the specification of the EN 2006/42/EG (article 2c and annex Vb) and is made in accordance with general mechanical rules.

Person authorized to compile technical information and empowered to draw upon the declaration on behalf of the manufacturer:

Terry Rodebaugh
Wurtec Engineering Manager
Loher Str 26A & 30A
Schwelm
58332
Germany

Year of Affixation of **CE** marking: 2022

Toledo, Ohio USA 4-20-22
(place, date)

Director of Engineering
(undersigned, title)


(signature)