

PRECISION DUAL-LINE RAIL ALIGNMENT CLAMPS

Part No. 10-280 to 10-284

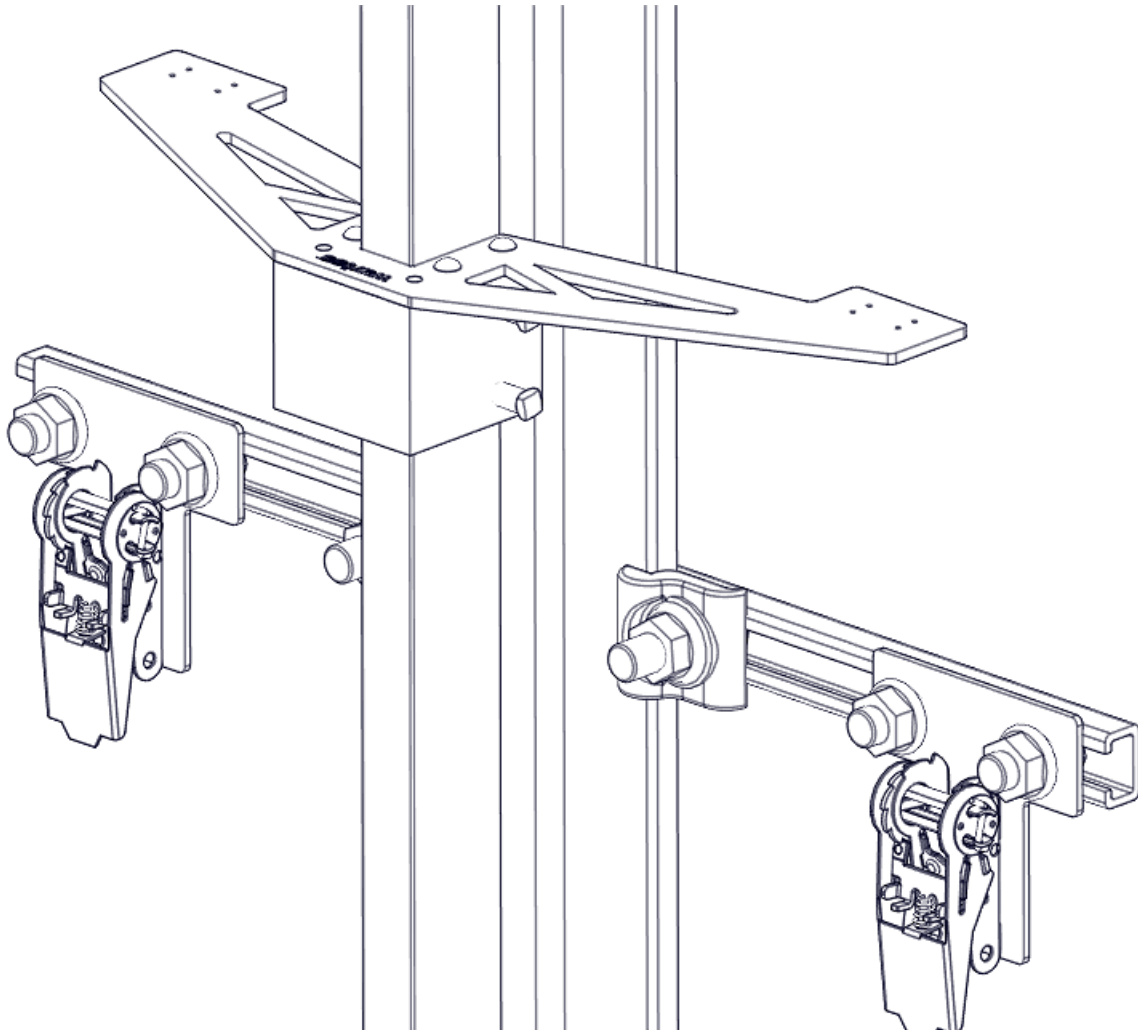


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NOTICE

GENERAL WARNINGS

1. 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.
2. 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.
3. 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.

BEFORE EACH USE

- Ensure proper fasteners are used.
- Ensure proper precision rail alignment clamp for rail size is used.
- Inspect hardware before use. After each use, check for excessive wear. Refer to maintenance for details.

EQUIPMENT DESCRIPTION & INTENDED USE

Precision dual-line rail alignment ratchet clamps are used to position and tension (2) plumb lines during rail installation in a hoistway. The position and tension of the plumb lines are used for rail alignment purposes. The ratchet clamps are assemblies made of (2) sub-assemblies: the ratchet strut and the precision alignment plate.

(4) precision dual-line rail alignment clamps are available, each designed to match a different rail size. See the table below.

Rails Part Number	Rails Nose Width	Ratchet Strut	Precision Aligement Plate
T114/B	5/8"	10-280	10-281
T121-1/B	5/8"	10-280	10-281
T127-2/B	5/8"	10-280	10-281
T140-1/B	3/4"	10-280	10-282
T140-2/B	1-1/8"	10-280	10-283
T140-3/B	1-1/4"	10-280	10-284

PERSONAL PROTECTIVE EQUIPMENT

The following PPE are recommended when installing rails:

- Safety glasses
- Hard hat
- Work boot with steel toe and sole
- Fall protection harness and lifeline
- Abrasion-resistant gloves

INSTALLATION / ASSEMBLY TOOLS REQUIRED

- Sockets and wrenches: 7/16", 9/16", and 15/16"
- SAE ratchet wrench
- Measuring tape
- Allen wrench: 3/16"

INSTALLATION / OPERATION

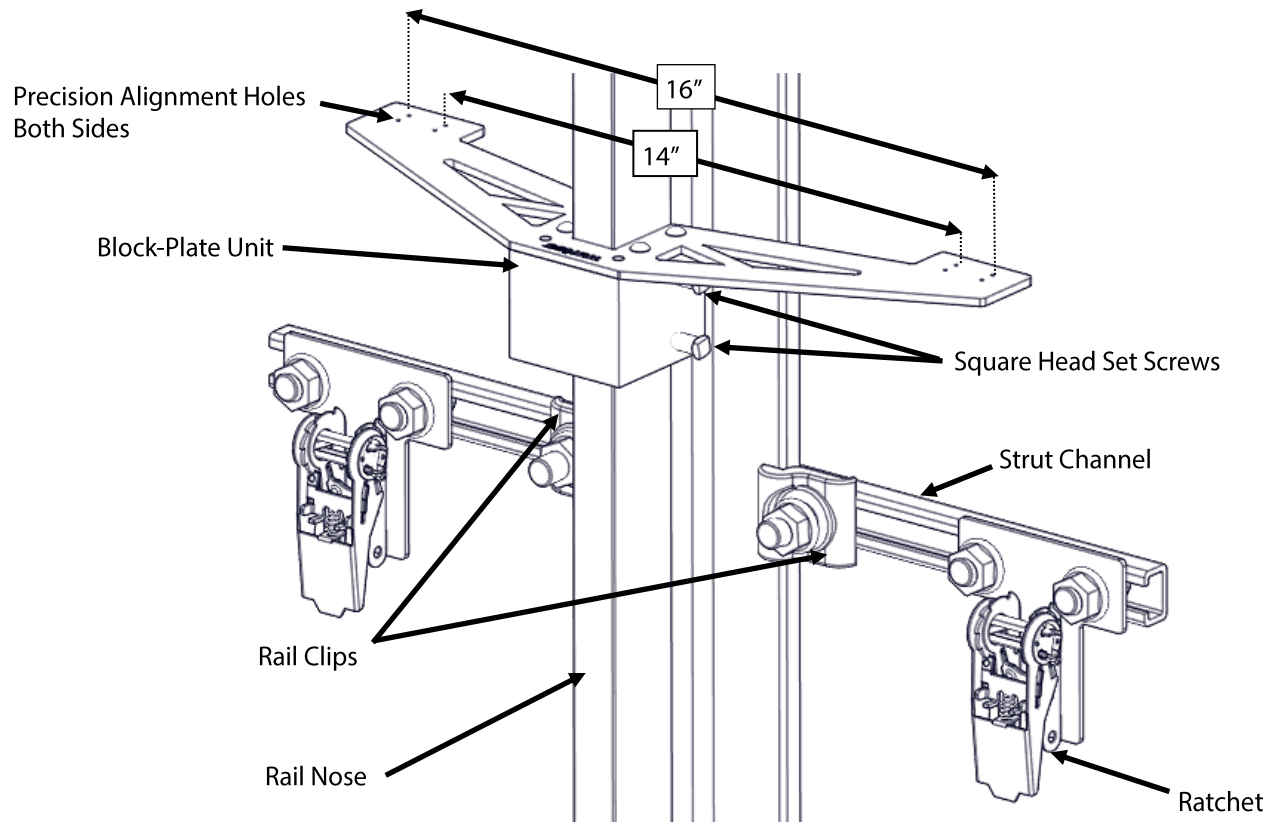
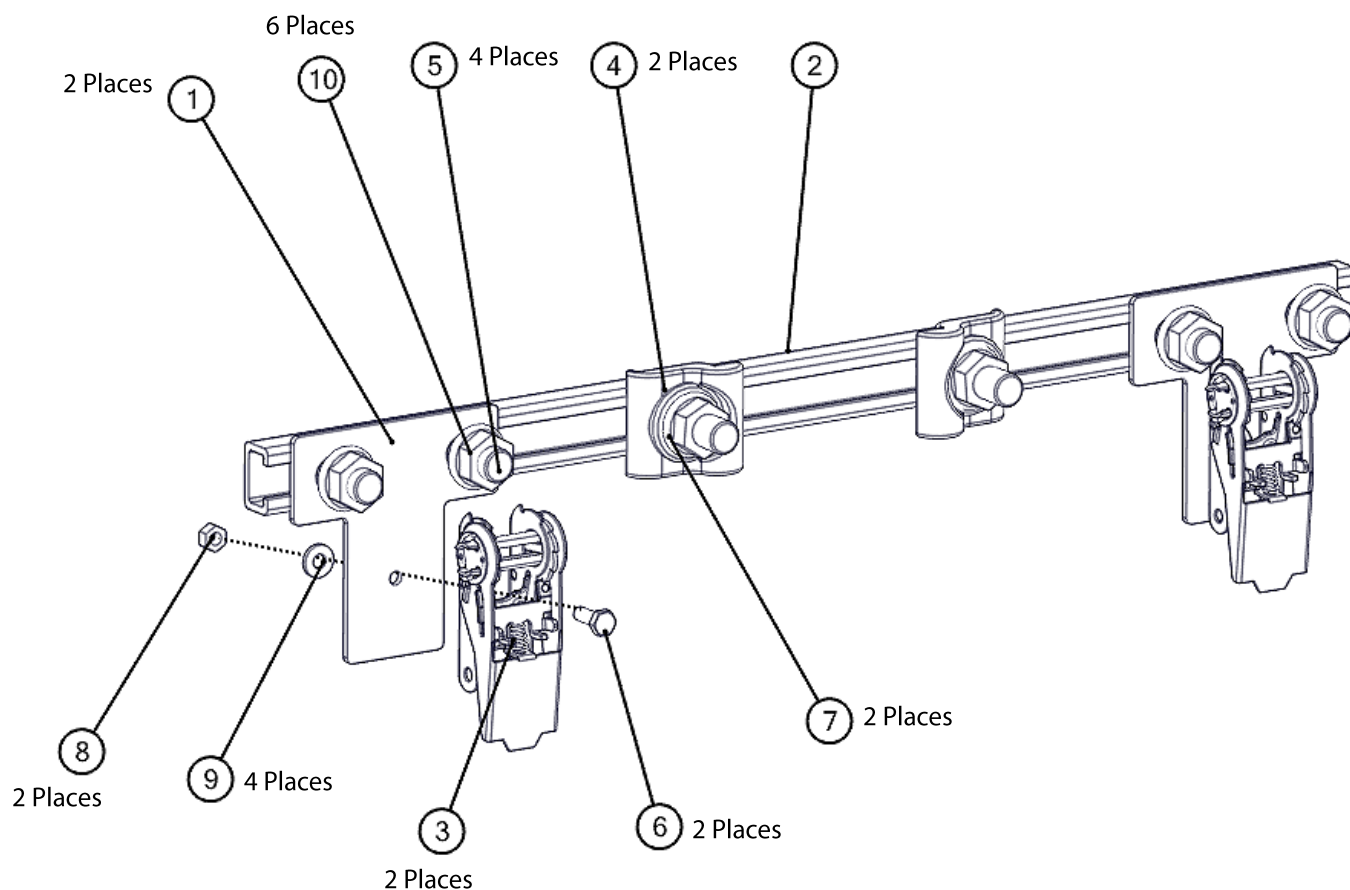


Image 01. Installation/Operation

- Set king and queen rails.
- Drop the plumb lines from the top of the hoistway.
- Mount the strut channel with the ratchets on the back of either the queen or the king rail using the rail clips and the 5/8" hardware. Ensure that the rail is properly aligned and that the ratchets are equidistant from the rail centerline.
- Mount the plate-block unit to the rail a couple inches above the strut channel unit. Fix it using the square head set screws on the side of the block.
- To operate, feed (2) plumb line wires through the precision alignment holes on the plate, (1) on each side, so that they are either 14" or 16" apart as needed.
- Swing open the ratchet handle and feed the plumb line through the ratchet slot.
- Tighten the plumb lines until they are straight and slightly tensioned using the ratchet handles.

BILL OF MATERIALS - RATCHET STRUT 10-280

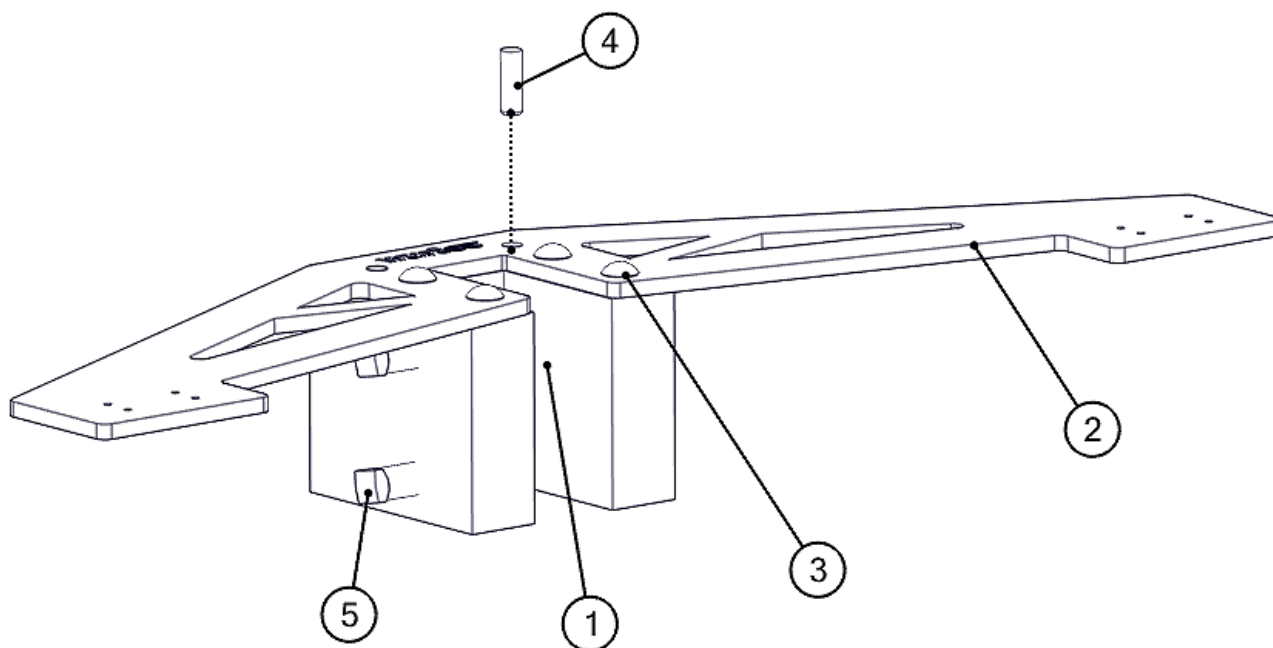


BILL OF MATERIALS - SPARE

Item	Qty	Part No	Description	Size	Length	Spare/Wear
1	2	10-10055200	Ratchet Mounting Plate	-	-	-
2	1	10-10055187	Dual Plumb Line Ratchet Strut	-	-	-
3	2	10-195-01	1" Ratchet	-	-	-
4	2	CB15-F	Forged Rail Clip	-	-	Spare
5	4	13307	Hex Head Cap Screw	5/8-11	1-1/4 In	Spare
6	2	13003	Hex Head Cap Screw	1/4 -20	3/4 In	Spare
7	2	13311	Hex Head Cap Screw	5/8-11	2 In	Spare
8	2	36102	Hex Nut	1/4-20	-	Spare
9	4	33078	Flat washer	1/4"	-	Spare
10	6	37349	Serrated Hex Flanged Nut	5/8-11	-	Spare

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BILL OF MATERIALS - PRECISION ALIGNMENT PLATE - 10-281 TO 10-284



BILL OF MATERIALS - SPARE

Item	Qty	Part No	Description	Size	Length	Spare/Wear
1	1	See table below	Rail Block Dual-Line	-	-	-
2	1	See table below	Precision Alignment Plate	-	-	-
3	4	94051	Button Head Cap Screw	1/4"-20	3/4"	Spare
4	2	26751	Dowel Pin	1/4"-20	3/4"	Spare
5	2	26071	Square Head Set Screw	3/8"-16	1-1/2"	Spare

Rail Part No.	Rail Size	Block Part No.	Plate Part No.
T117/B	5/8"	10-10056484	10-10056729
T127-1/B	5/8"	10-10056484	10-10056729
T127-2/B	5/8"	10-10056484	10-10056729
T140-1/B	3/4"	10-10056590	10-10056757
T140-2/B	1-1/8"	10-10056615	10-10056770
T140-3/B	1-1/4"	10-10055191	10-10056756