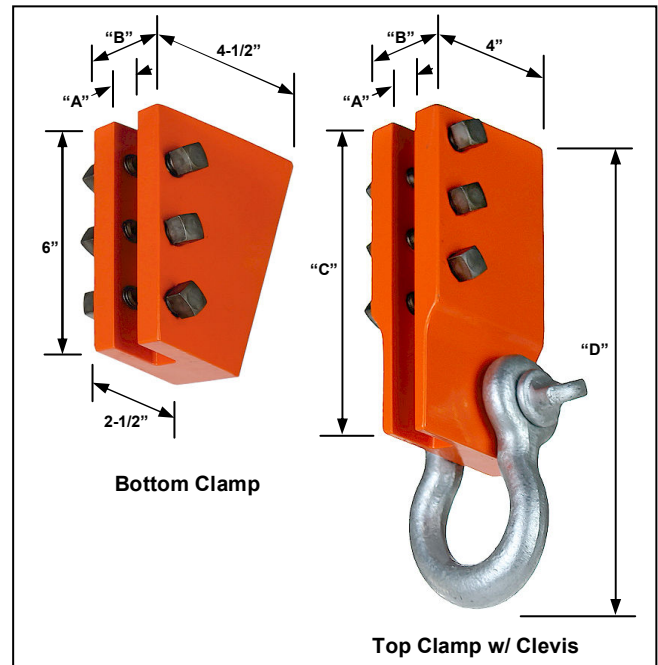


ELEVATOR GUIDE RAIL CLAMPS RCB & RCT

RAIL CLAMPS FOR USE ON 8, 12, 15, 18.5, 22.5 & 30 LB. RAILS

Model	Clamp Type	Max.* Load, lb.	Rail, lb.	Dimensions			
				"A"	"B"	"C"	"D"
RCB	Bottom	39,000**					
RCT	Top	36,800**	8,12,15	11/16"	2.0"	8.0"	11-1/2"
RCS	Set						
18.5RCB-J	Bottom	39,000					
18.5RCT-J	Top	36,800	18.5	25/32"	3.0"	9-1/2"	14-1/2"
18.5RCS-J	Set						
22.5RCB-J	Bottom	39,000					
22.5RCT-J	Top	36,800	22.5	1-5/32"	3.0"	9-1/2"	14-1/2"
22.5RCS-J	Set						
30RCB-J	Bottom	39,000					
30RCT-J	Top	36,800	30	1-9/32"	3.0"	9-1/2"	14-1/2"
30RCS-J	Set						

NOTE: Set contains two (2) Top and two (2) Bottom Clamps.
 *Load distribution should be equal on all four (4) clamps.
 Recommended load on each clamp is 1,750 lb. Maximum load on one (1) clamp shown with anchor bolt torque 70 ft-lb.
 **Independent Testing Laboratory Rail Clamp Test Results.
 Complete copy available upon request.



OVERVIEW

The purpose of this manual is to provide the user with detailed instructions on the proper installation and use of **Quality Elevator Products Rail Clamps**. This includes:

- Hazards associated with the use of this product
- Explanations of the features and functions of this product
- Installation and operation instructions
- Daily inspection and maintenance

After reading this manual, the reader will be able to install rail clamps and use them to safely lift loads and/ or rest cars and counterweights.



CAUTION !

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 Quality Elevator Products, Inc.

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



WARNING !

Working at height is an inherently dangerous activity during which serious injury or death may occur due to you falling or causing an object to fall.

- **Always** use safe means to access a high work area.
- **Always** have an accessible safe means to evacuate in case of emergency.
- **Always** employ personal fall protection equipment.
- **Always** employ guardrails.
- **Always** keep the work area free of loose objects and trip hazards.
- **Always** provide falling object protection.
- Wire ropes, fittings, and pulleys **will fail if** worn out, misused, abused, damaged, or improperly maintained. Failure may cause serious injury or death!
- **Always** inspect wire ropes, fittings, or pulleys that are worn out, damaged, or abused before use.
- **Never** use wire ropes, fittings, or pulleys if worn out, damaged, or abused. Replace immediately.
- **Always** check that the capacity of wire ropes, fittings, and pulleys are rated for the load to be applied.
- **Never** overload wire ropes, fittings, or pulleys!
- **Always** check that fittings and pulleys match the wire rope being used.
- **Never** modify wire ropes, fittings, pulleys, or attachment points.
- **Inform yourself:** Read, understand, and follow the manufacturer's instructions for use, inspection, maintenance and replacement of all protection equipment.
- **Inform yourself:** Read, understand, and follow all regulatory agency rules and guidelines for working at height.



Overhead loads can fall, causing damage to equipment and property, severe injury, or death.

- Do not allow people to stand under or near the load during installation.
- Use of the incorrect clamp can result in damage to equipment and property, severe injury, or death.
- Rail Clamps shall only be used with included hardware. Alternate hardware can fail, resulting in damage to equipment and property, severe injury, or death. Contact Quality Elevator Products Customer Service for replacement parts if misplaced, damaged, or worn.
- Quality Elevator Products recommends replacing set screws after each use.

INSTALLATION & MAINTENANCE

INSTALLATION TOOLS

The following is the minimum required for installing and performing daily checks on the Rail Clamps. They can be installed by one person who would have all of these tools:

- Torque wrench
- Bits for 5/8 bolts

MAINTENANCE

Ensure set screw cups are still sharp and intact before each use.

INSTALLING RAIL CLAMPS

All Rail Clamps weigh less than 55 lbs. They can be positioned by one person but may require another to hold them in place while the set screws are tightened.

A. POSITION RAIL CLAMPS

When placing the Rail Clamp onto the rail, ensure the back of the throat is flush with the rail. Each Rail Clamp has a tag indicating which direction to point upward. Misalignment or inversion may result in failure, causing severe injury or death.

B. TIGHTEN SET SCREWS

Tighten all (6) set screws to the prescribed torque. Afterward, mark the rail directly below the Rail Clamp as a reference for daily checks. Torque to 70 ft-lbs (94 Nm) for 5/8" bolts.



Failure to tighten to the prescribed torque may result in failure, causing severe injury or death.

DAILY CHECKS

- Inspect Rail Clamp to ensure it is flush with the rail and has not slid down the rail.
- Check all hardware, confirm all set screws are in place and tightened.

INTENDED USE



All Rail Clamps have intended rail sizes. Use of Rail Clamps outside of their intended use may result in failure, leading to severe injury or death.

BOTTOM RAIL CLAMPS

These clamps are designed for a large load to rest on top. A common use is to rest a car on them. They should be oriented with the larger face pointing upwards.

TOP RAIL CLAMPS WITH CLEVIS

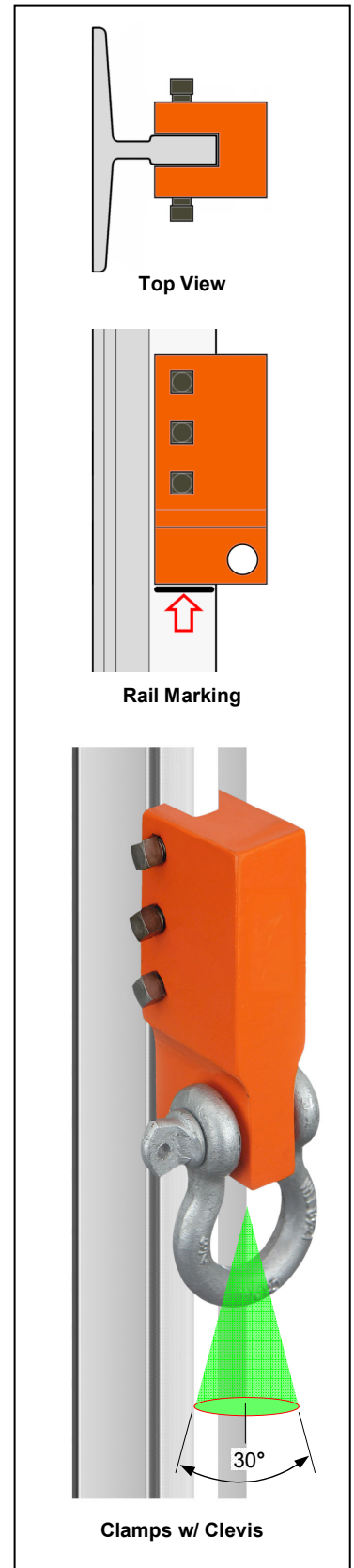
Designed to have all their load applied to the shackle. Loads are to be applied within 15° of a true vertical load. These should be oriented so that the shackle hangs downward in the hoistway.



When using rope with Rail Clamps, ensure the rope is of adequate strength for the load. Inadequate strength could result in severe injury or death.



Do NOT allow anyone to stand under or near the load during hoisting. Use a fall protection device to ensure safety while securing Rail Clamps at height.



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ELEVATOR PRODUCTS, INC.