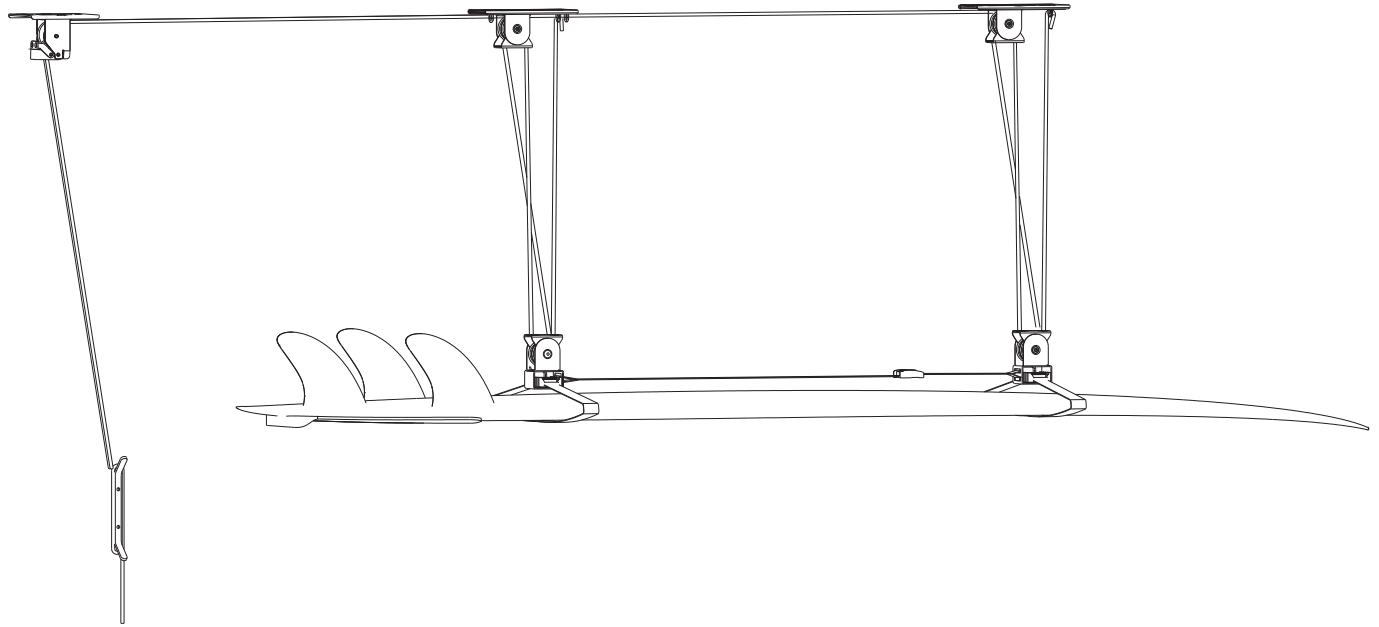


# ▲ TEAL TRIANGLE



## INSTALLATION GUIDE

### HEAVY DUTY ELITE HOIST



SCAN THIS QR CODE FOR  
THE FULL INSTALL VIDEO.

SCAN THIS QR CODE FOR  
EXTRA TIPS FOR INSTALLING  
THIS PRODUCT.



# IMPORTANT INFORMATION

---

Heavy Duty Elite Hoist

Manufactured for Spire LLC in Vietnam

Quantity: 1

**WARNING! The product is NOT intended for use by any person under the age of 18 years old. You must be over the age of 18 to install or use the product.**

**WARNING! Strictly follow all instructions to avoid an accident, damage to property, personal injury or death.**

**WARNING! Do not use this product for human suspension. Components can fail causing person to fall, possibly resulting in serious injury or death.**

**WARNING! When operating system, make sure the area below object is clear of persons. If object comes down too quickly, this can cause an accident.**

## **READ THE ENTIRE USER MANUAL BEFORE INSTALLATION**

The User Manual you received with your product provides instructions on how to install and use your product. The instructions are written for a person with a basic understanding of tools and procedures. Read the entire manual before proceeding. If you do not understand any portion of the instructions, do not attempt installation, and email [support@tealtriangle.com](mailto:support@tealtriangle.com).

## **CORRECTLY INSTALL THE PRODUCT**

Read and follow all instructions carefully.

Failure to properly install and use the product could allow the product to dismantle or tip over, injuring persons or personal property in the process. Accordingly, it is critical that the product be installed correctly and according to the instructions in the User Manual.

## **USE TOOLS SAFELY**

The procedures in the User Manual may require climbing ladders and/or operating power tools. Make sure you are familiar with these tools and their safety procedures before attempting to use such tools during installation. Always be aware of electrical wires during installation. Failure to do so could result in an electrical shock or death.

## **CAUTION**

It is the consumer's responsibility to install this system in accordance with all codes, ordinances, and local regulations.

When installing the product, it is the consumer's responsibility to ensure the structural integrity of the structure it is being mounted to.

The product is intended for the storage of sporting equipment only. Do not use it for any other purpose.

This system has a maximum capacity listed on the next page. Overloading the system could result in damage to property or injury.

Use extreme caution when loading and unloading equipment from this system.

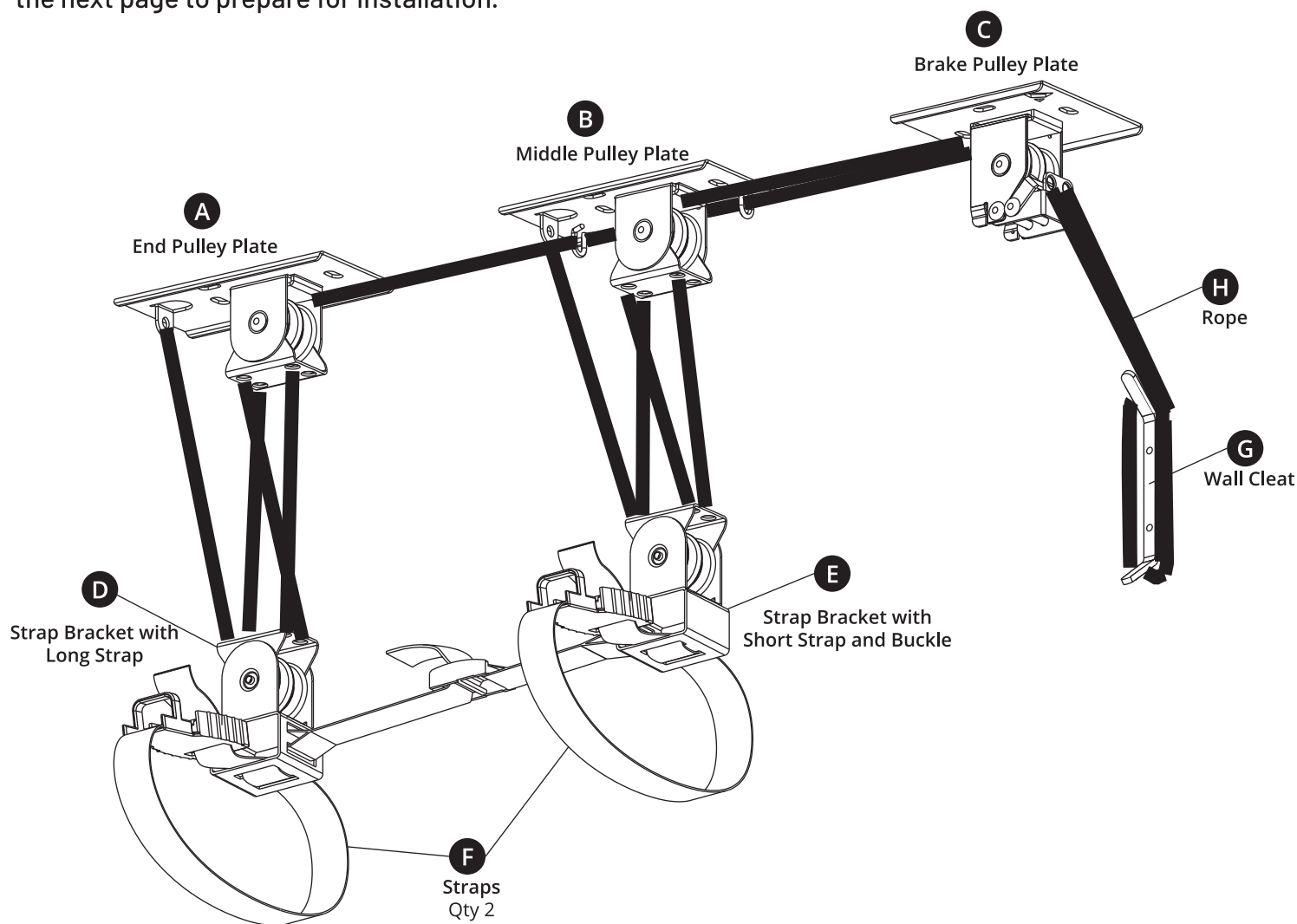
It is the consumer's responsibility to ensure that the system is in proper working condition before loading objects onto the system. Check tightness of all bolts and screws periodically. Failure to properly maintain the system could result in damage to property or injury.

## **WARNING AND DISCLAIMER**

Spire LLC (d/b/a Teal Triangle) expressly disclaims any and all liability for personal injury, property damage or loss, whether direct, indirect, incidental, resulting from the incorrect mounting, improper use, inadequate maintenance, or neglect of this system.

# Hoist Parts

This image shows a fully installed hoist. Use it to understand the parts and refer to it during installation. See the next page to prepare for installation.

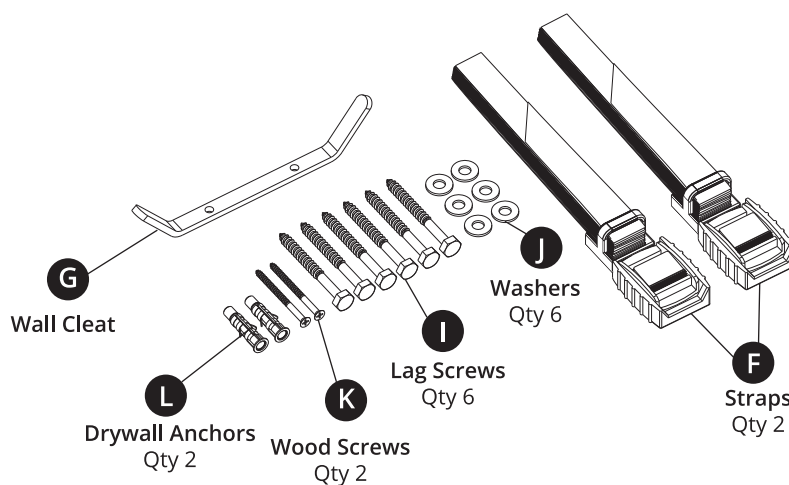


## REQUIRED TOOLS:

Drill  
12mm socket  
3/16" (5mm) drill bit  
3/32" (2.5mm) drill bit  
Phillips head screwdriver  
Stud finder  
Pencil

## WEIGHT LIMITS:

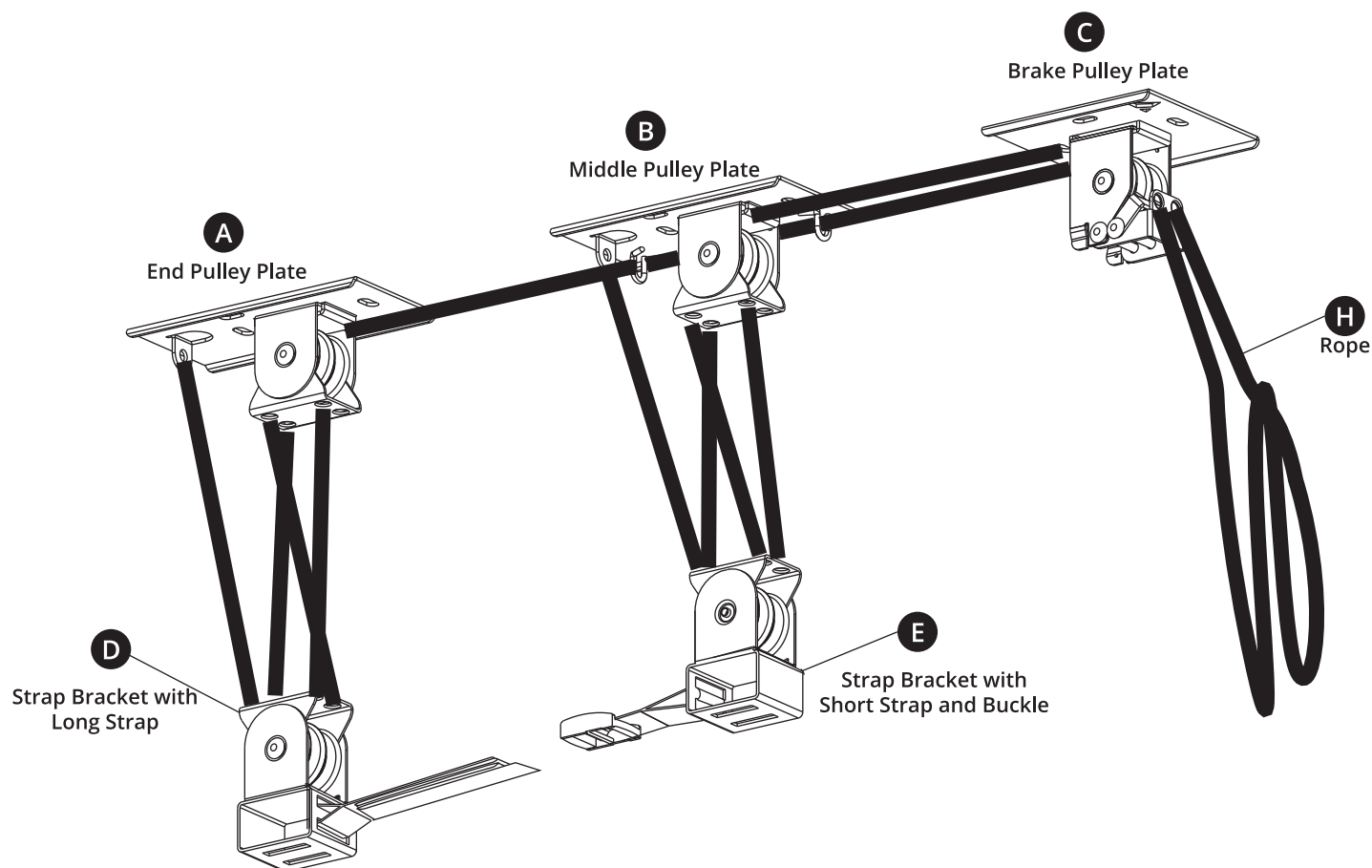
75 lbs. max per strap bracket  
150 lbs. max total



**These parts come unassembled**

# Unpacking the Hoist and Preparing for Installation

This image shows how the hoist comes in the box and how to unpack it and prepare it for installation



All of these parts are packaged individually and connected with rope between them. Remove the bags from all parts EXCEPT FOR THE ROPE (for now).

Unpack the parts and arrange them on a table in this orientation. This is how they will look on the ceiling but more spread out. The extra rope sticks out of the brake pulley.

Note the Middle Pulley Plate (B) has 2 loops welded onto the side that has a rope through them. This is the only difference between parts A and B, but the rope is assembled so that it will only work with this part inbetween A and C. It does not matter if part D or E is below A or B, as long as the straps sewn onto the brackets are facing each other.

You may have to tighten the knots that are looped through the punched holes. They may not fully tighten until there is a load on them. Untangle any of the ropes and make sure that the straps are facing each other on parts D and E. This may require rotating any parts so the ropes do not overlap between A, B, and C - they should be straight across like shown in the image. The ropes between the ceiling plates (A & B) and the strap brackets (D & E) will cross over but should not be twisted or rubbing on each other.

Hold the rotating end of the brake pulley (C) up so that it lets rope through to give slack to the rope between parts A and B. After reading through the following planning steps - lay these parts out roughly on the floor under where you will install them. Give enough slack in the rope so you can hold part A and D against the ceiling while the other parts stay on the floor.

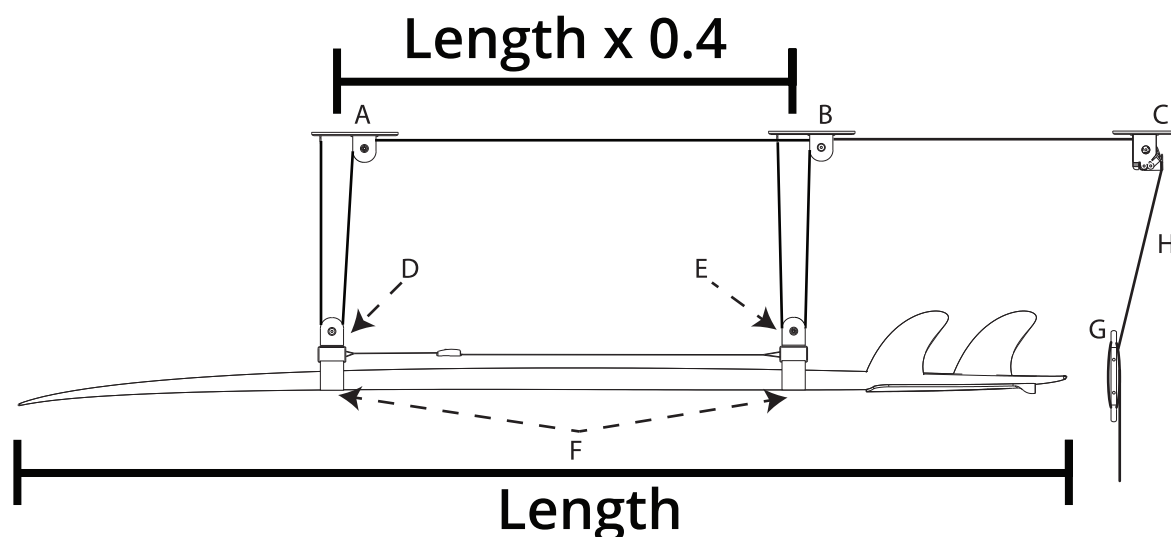
## Plan and Install Parts



### Do not untie or disassemble the rope!

**NOTE:** Most of these images are shown without or with simplified images of the rope for clarification. The rope is not meant to be untied or disassembled.

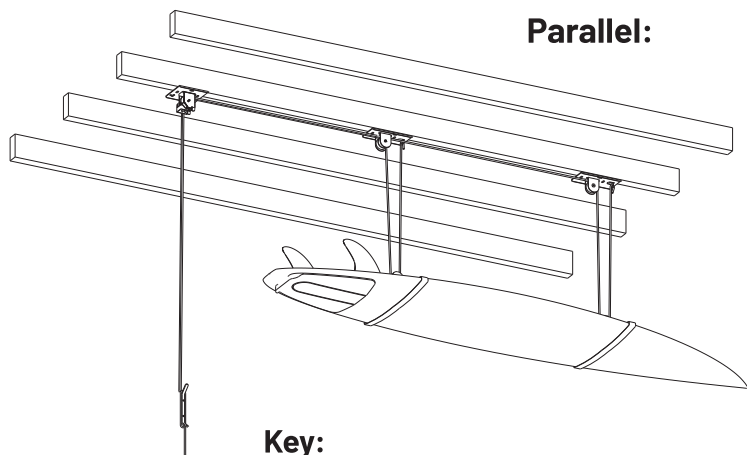
1



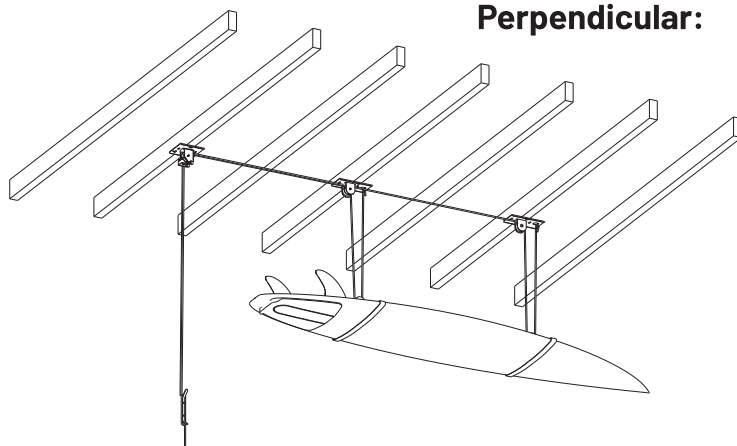
2

You must mount the Ceiling Plates to wood ceiling joists. Find the direction of your joists and determine where you will install the Ceiling Plates. Use the images to determine how you will install your hoist and which holes you will use on the ceiling plates.

**Parallel:**



**Perpendicular:**

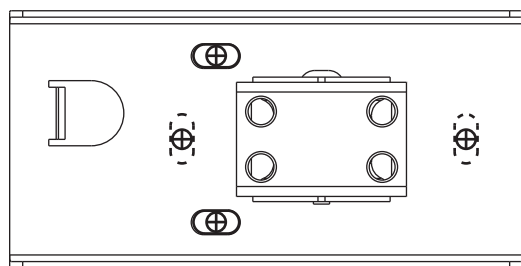


**Key:**

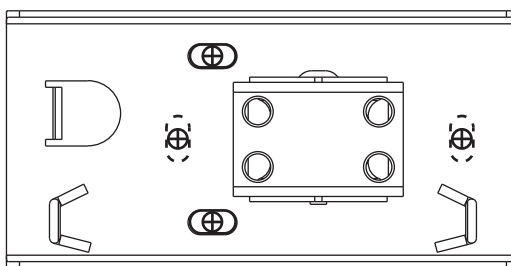
⋯ Parallel Joist

○ Perpendicular Joist

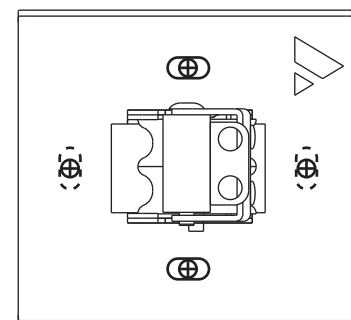
⊕ Drill Hole



A



B



C

**3****Parallel Mounting:**

If parallel, only one joist is required. Mark the center of the joist near where you will install the ceiling plates. If the joists are covered with drywall, use a stud finder to locate and mark the center of the joists.

**3****Perpendicular Mounting:**

If perpendicular, 3 joists are required. Choose 3 joists that have a gap between them that is closest to the distance you found in Step 1. Mark the center of the joists you are using near where the ceiling plates will be installed. If the joists are covered with drywall, use a stud finder to locate and mark the center of the joists.

**4**

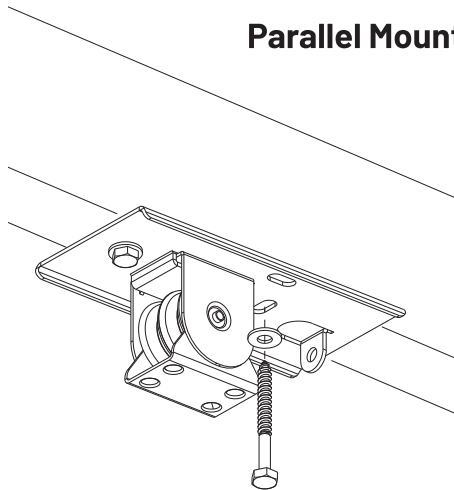
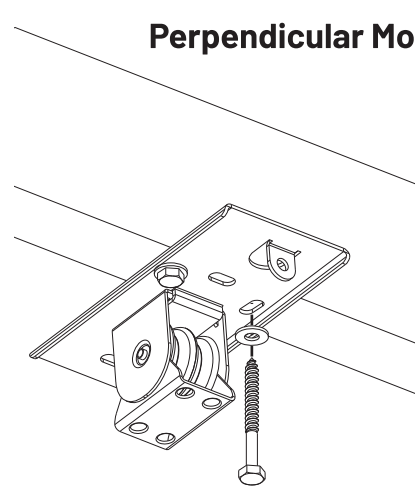
Hold the ceiling plates against the ceiling at the centerline of the joist and mark the hole locations with a pencil at the center of the slots.

**5**

Pre-drill pilot holes in the ceiling joists at the locations you marked with a 3/16" (5mm) drill bit

**6**

Install the ceiling plates with Lag Screws (I) and Washers (J) into the pilot holes using a 12mm socket. Look at the overview images in the beginning and make sure the ceiling plates are in the correct orientation when mounting.

**Parallel Mounting:****Perpendicular Mounting:****7**

To determine where you will install the Wall Cleat (G), find a location on a wall near the end of the Brake Pulley Plate (C) where the rope comes out. The wall cleat should be mounted at an easy height to reach but out of the way, somewhere around shoulder height. It is best to mount the wall cleat into a wall stud, but a drywall anchor can also be used.

a. If mounting wall cleat to a stud: use a stud finder to locate a wall stud near where the rope comes out, then use a stud finder to mark the stud centerline at the height you will mount the wall cleat. Pre-drill pilot holes with a 3/32" (2.5mm) drill bit. Install the wall cleat with the Wood Screws (K) in the pilot holes.

b. If mounting the wall cleat to drywall: it is recommended to use a stud finder or wire detector to ensure you do not drill into electrical wires, plumbing lines, or anything else behind the drywall. Drill anchor holes with a 3/16" (5mm) drill bit. Press the Drywall Anchors (L) into the holes, then install the wall cleat with the Wood Screws (K) into the drywall anchors.

# Assemble straps and operate hoist

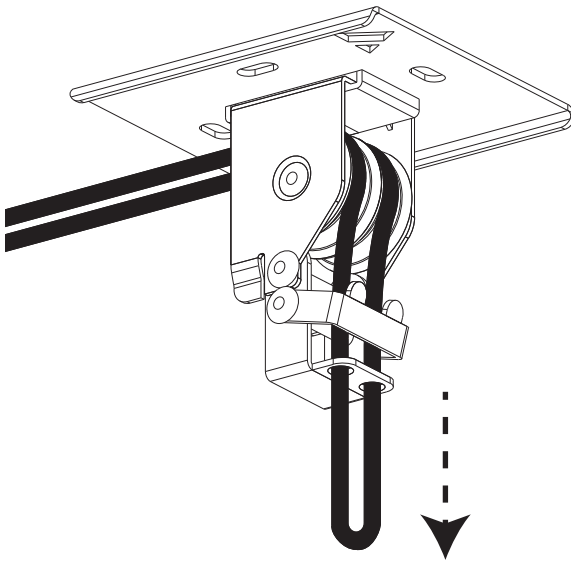
**Need to know:** The free end of the rope coming out of the brake is two ropes that are looped at the end. Each rope can be individually adjusted to straighten the object you are lifting when first setting it, but most of the time you will pull both of them together and treat it as a single rope.

1

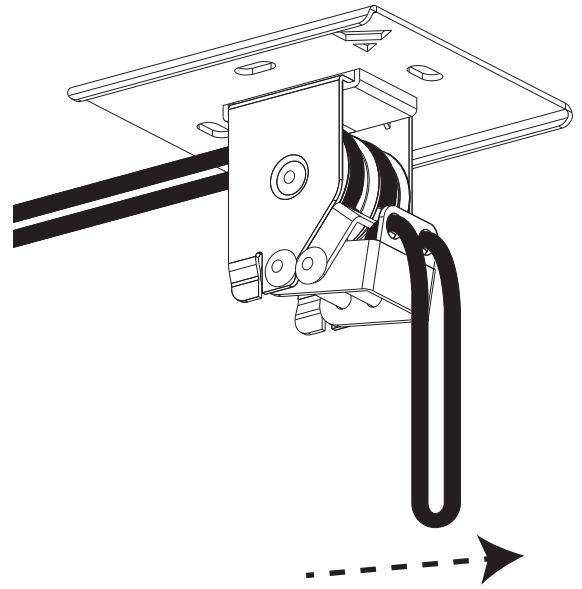
The ropes may have fallen out of the grooves of the pulleys - place them back into the grooves. To set the brake to prevent the hoist from lowering, move the free rope end in a straight line toward the direction the rope comes out of the brake pulley.

2

To release the brake and lower your object, grab the rope tightly and prepare to hold the weight of your object. Pull straight down on the free end of the rope until the brake releases and raise the rope toward the ceiling to lower your object.



Hold tightly and pull down to unlock



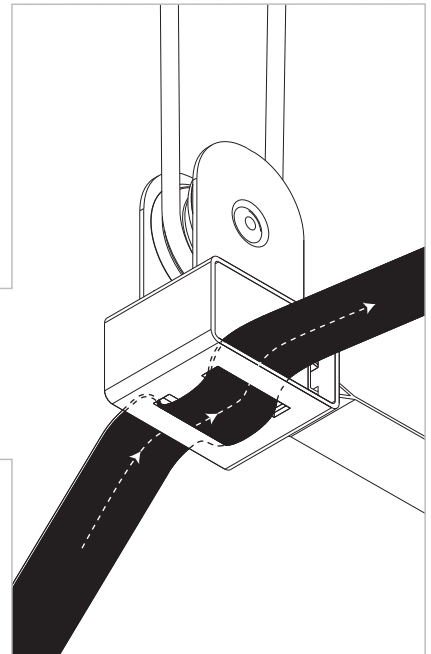
Pull away and release to lock

3

To attach your object, place it below the hoist and use the rope and brake to set the Strap Brackets (D & E) to a height just above the object. Place the Straps (F) underneath the object you are storing so that the ends come over the top and align them under the Strap Brackets.

4

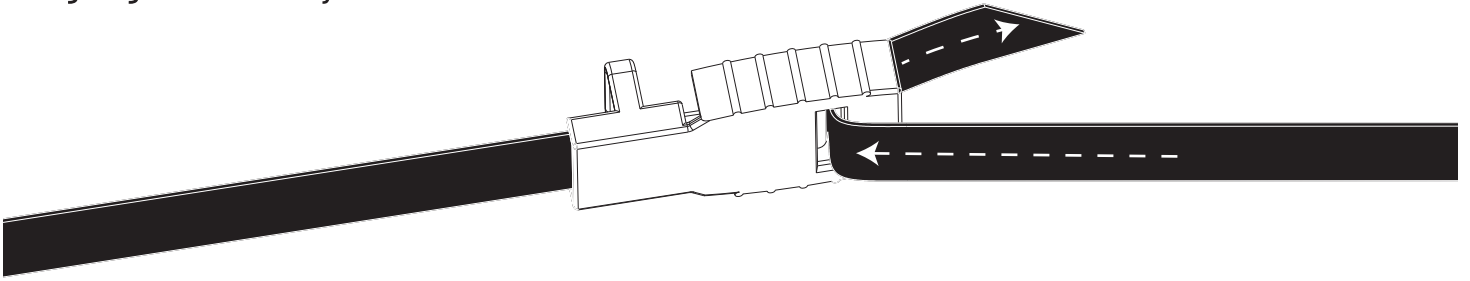
Orient the Strap so that the buckle is facing up and the strap is not twisted. Weave each Strap end through the cutouts in the bottom of the Strap Brackets





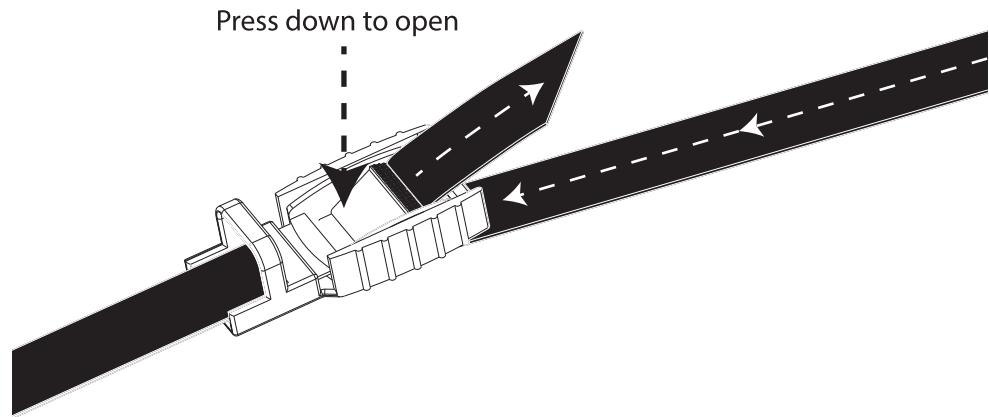
5

Press down on the buckle release to open it and guide the strap end from the bottom through the slot in the silicone buckle cover and through the opening in the buckle. The buckle must be used with the strap coming up through the bottom and out of the top, it will slip if the strap is going the other way.



6

Pull the end of the strap to tighten and adjust the straps so that your object sits tight against the strap bracket. The tighter you make the strap, the closer your object will be to the ceiling.



7

Take the free end of the rope and adjust each side separately to straighten the Strap Brackets above the object.

8

Pull the rope evenly to raise the object toward the ceiling, and engage the brake when it reaches the desired height.

9

Wrap the extra rope around the wall cleat to keep it free from knots, and to serve as a backup for the brake pulley.



**Before putting any weight on the system, make sure it is set up correctly and looks exactly like the overview image**