



# CARGO NETS

## INSTALLATION & OPERATION MANUAL



**WARNING** – Improper assembly or use of this product and the activity of climbing has risks that can lead to injury, paralysis, and even death. Read these instructions and warnings before assembly, installation, and use!

**CONTACT US**  
[shop@grohplayrooms.com](mailto:shop@grohplayrooms.com)

**FIND MORE RESOURCES AT**  
[shopgrohplayrooms.com](http://shopgrohplayrooms.com)

# SAFETY INFORMATION



## READ BEFORE INSTALLATION AND USE



**FAILURE BY THE USER TO HEED ANY AND ALL INSTRUCTIONS, WARNINGS AND CAUTIONS FOR THE CORRECT INSTALLATION, OPERATION, CARE, AND MAINTENANCE OF CLIMBING PRODUCTS MAY RESULT IN SERIOUS INJURY OR DEATH.**

The grOH! Shop's climbing and gross motor play products are designed and specified for recreational use as a self-installable climbing product. Use of equipment for any purposes other than that intended by the manufacturer is not recommended.

Owners and users of any climbing/gross motor products purchased from The grOH! Shop are responsible for the safety and supervision of any person using the product and for ensuring proper installation and operation procedures are followed at all times. Proper installation requires careful planning and fastener placement for Cargo Nets including the supporting wall's structural elements. Owners and users are highly encouraged to have an experienced, licensed, & insured general contractor install gross motor features, including Cargo Nets.

It is the responsibility of the installer to verify existing walls meet the minimum structural requirements listed in this document and are of sound construction without any defects. The grOH! Shop is not responsible for verifying the structure for Cargo Net attachment.

Installation of our products is the responsibility of the customer, who assumes any liability for damage to property or injury. While every attempt is made to embody the highest degree of protection in all equipment, we cannot, however, guarantee freedom from injury. The user assumes all risk of injury due to use. All merchandise is sold on this condition, which no representative of the company can waive or change. Equipment should be inspected periodically by user for damage and wear and tested for stability.



## **WARNING- CLIMBING IS A DANGEROUS ACTIVITY**

Climbing is inherently dangerous and may result in serious injury or death of a participant. Our Cargo Nets are designed and specified for recreational climbing as an indoor-only self-installable climbing product which can be mounted on any appropriate support structure that meets its loading specifications including Concrete Masonry Unit (CMU), Concrete, Metal Studs, and Wood Studs. Brick is NOT an acceptable attachment structure.

Users of The grOH! Shop's Cargo Nets are solely responsible for learning, implementing, and conveying to participants proper climbing techniques, including falling and good judgment. This includes knowing and observing the product's capabilities and limitations and ensuring the climbing area is free and clear from all obstructions including, but not limited to: furniture, protrusions, structures, or other objects, climbers, or observers. Users must be aware of all necessary precautions and dangers and must educate all participants in the proper use of Cargo Nets as well as all third-party equipment such as fall attenuation padding.

# SYMBOLS EXPLAINED



## ENSURE THAT YOU READ AND UNDERSTAND ALL SAFETY PROCEDURES

The following safety symbols are used throughout this manual to highlight potential dangers. One or more precautions may be associated with practices and procedures described within this manual. Failure to adhere to any precautions highlighted can result in death, serious injury, or equipment damage.



### DANGER

Indicates a hazardous situation exists that, if not avoided, will result in serious injury or death.



### WARNING

Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or death.



### CAUTION

Indicates a potentially hazardous situation that, if not avoided, may result in injury or equipment damage.

Please read the following statement and contact The grOH! Shop, in writing, if the intent of this document is unclear or questions arise. **YOU SHOULD NOT OPERATE THE PRODUCTS IN THIS MANUAL IF YOU DO NOT FULLY UNDERSTAND HOW TO OPERATE THEM SAFELY!**

This manual contains information on the proper assembly and use of Cargo Nets and includes all product warranty information. Ensure that this manual is readily available to users at all times.

# OPERATING INSTRUCTIONS

Users of Cargo Nets are solely responsible for the safety and supervision of any person installing or using the product. This includes learning, practicing, and conveying to participants proper climbing techniques, including falling. Ensure the climbing area is free and clear from all obstructions including but not limited to: furniture, protrusions, structures or other objects, and other climbers. Users must inform participants of all necessary precautions and dangers and must educate all participants in the proper use of the Cargo Net as well as all third-party equipment such as fall attenuation padding.

Owners and users are to adhere to the following operating requirements:

- Climbers cannot exceed 250 lbs.
- Adult supervision is required by all users under 6 years of age.
- Proper fall technique is required.
- One (1) user at a time.
- Do not walk close to or behind a climber.
- Do not jump from the Cargo Net.
- Do not attach any item to the Cargo Net.
- Do not use the equipment in a manner other than intended.



## **NEVER USE A CARGO NET AS AN ANCHOR**

Do not use any part of the net as an anchor component.



## **ALWAYS USE AN APPROPRIATE FALL ATTENUATION SURFACE DURING USE**

# PREPARATION FOR INSTALLATION

## SELECTING A SUPPORT STRUCTURE

The mounting option for your Cargo Net is largely based on the skill level of the climbers. An simple rule of thumb you can use as a jumping-off point:

- \***Beginner Climbers:** Net fully secured on all four sides *(recommended)*
- Mid-level Climbers:** Net secured on two or three sides
- High-level Climbers:** Net secured on one side (the top)

When selecting a location and installation method for your Cargo Net, always ensure:

- You have the specified fasteners for your particular supporting structure.
- The support structure is of sound construction and without any defects. The groOH! Shop is not responsible for verifying the structure.
- The climbing area is free and clear from all obstructions including, but not limited to: furniture, protrusions, structures or other objects.

### BEGINNER CLIMBERS

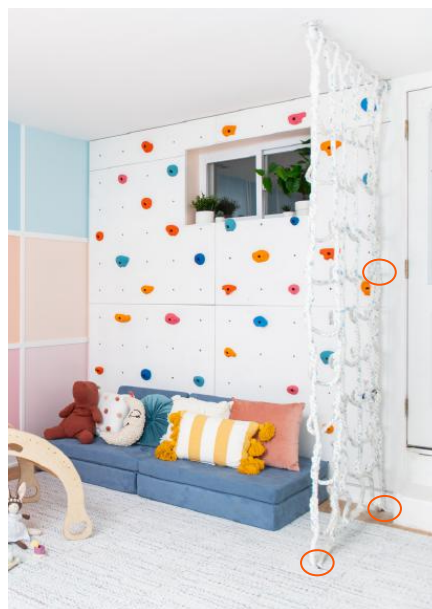
(FULLY SECURED ON ALL 4 SIDES)



FOR **MOST TAUT NET AND MOST STABLE** CLIMBING

### MID-LEVEL CLIMBERS

(SECURED ON 2-3 SIDES)



FOR **LESS TAUT NET AND MORE CHALLENGING** CLIMBING

### HIGH-LEVEL CLIMBERS

(SECURED ON TOP)



FOR **LOOSE NET AND VERY CHALLENGING** CLIMBING

# PREPARATION FOR INSTALLATION

## CHOOSING AN INSTALLATION METHOD

There are two installation methods you can choose from when installing your Cargo Net: **Framed or Unframed.**

The grOH! Shop recommends framing your cargo net to be safety-inclusive for climbers of all ages!

### FRAMED CARGO NET (2"X6" FRAME NOT INCLUDED)



FLUSHMOUNT ANCHORS AROUND ENTIRE PERIMETER

FOR **MOST TAUT NET AND MOST STABLE CLIMBING**

### UNFRAMED CARGO NET (PIPE MOUNTED)



3 FLUSHMOUNT ANCHORS

FOR **LESS TAUT NET AND MORE CHALLENGING CLIMBING**

# TOOLS & MATERIALS



## TOOLS AND MATERIALS NEEDED FOR INSTALLATION (PROVIDED BY OWNER)

- Pencil
- Stud Finder
- Tape Measure
- Drill & Drill Bits
- Mounting Material-Safe Screws
- Step Ladder
- Level
- 2" x 6" Lumber *(if framing, recommended)*
- Pipes and Fittings *(if not framing)*

## TOOLS AND MATERIALS NEEDED FOR INSTALLATION (PROVIDED BY GROH!)



Cargo Net



Flushmount Anchors  
(No screws)

# FRAMED NET

## INSTRUCTIONS FOR A FRAMED CARGO NET



**EVERY SPACE IS DIFFERENT. CONSULT WITH A GC.  
THE INFORMATION BELOW IS RECOMMENDATION ONLY.**



### **CENTER OF STUD/JOIST REQUIRED**

**ALL FRAMES ARE REQUIRED TO ATTACH TO TWO STUDS/JOISTS MINIMUM  
WITH TWO STRUCTURAL SCREWS INTO THE CENTER OF EACH STUD/JOIST.**



**THE CARGO NET CANNOT BEAR THE WEIGHT AS STRUCTURAL SUPPORT  
FOR ANY OTHER FEATURES.**

### **INSTRUCTIONS FOR INSTALLING CARGO NET FRAME**

#### **STEP 1: BUILD 2" X 6" FRAME**

- Using 2"x6"s from your local hardware store, create your frame to the dimensions of your space.
- Finish the frame to your preference. This could include paint or stain.
  - We highly recommend sanding and sealing before installing your net onto the frame.

#### **STEP 2: FIND AND MARK WALL STUDS (FOR WOOD OR METAL STUDS) AND CEILING/FLOOR JOISTS**

- Determine the area on your wall in which you want to mount your frame.
- Using a stud finder, locate and mark all studs in the designated climbing area. Ensure to mark the center of each stud.

#### **STEP 3: MOUNT THE FRAME**

- Attach the frame to your wall (if against a wall) screwing into the center of the stud. Use the correct fasteners for your stud type.
- Repeat as necessary for the ceiling and floor, using the correct fasteners for your ceiling joists and floor type.
- Use a level continuously to ensure the frame is level.
- When attaching to CMU or Concrete walls or flooring, consult a local professional for specified fasteners and required spacing depending on your wall type.

#### **STEP 4: MOUNT THE NET**

- Mark where the flushmount anchors should be installed, evenly spaced throughout the frame. Drill pilot holes if desired.
- Using the provided flushmount anchors, begin at the top of the net and install the anchors centered vertically on the 2"x6".
- Work your way around the net until all anchors are installed.



# PIPE MOUNT: PREP



**EVERY SPACE IS DIFFERENT. CONSULT WITH A GC.  
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## THE GOLDEN RULE:

**DO NOT UTILIZE A PIPE OVER 24" LONG. ANYTHING WEIGHT BEARING GREATER THAN 24" HAS TO BE INSTALLED IN SEPARATE PIECES, WITH A TEE JOINT AND ADDITIONAL FLANGE SECURED INTO A CEILING JOIST.**

## PURCHASING A PIPE MOUNT

Purchase 3/4" threaded Galvanized Steel or Black Iron Pipe and fittings from your local hardware store to create a mounted pipe to thread the net's loops through. See suggested pieces below for a cargo net 4' wide, mounted into the ceiling.



Flange  
90° Elbow



24" Pipe



Flange  
2" Fitting  
Tee Joint Fitting



24" Pipe



Flange  
90° Elbow



This pipe is mounted to a stud in the wall and a joist in the ceiling. The only thing affected is the number of elbow fittings needed.



**Absolutely NO Cross Tee Fittings**



# PIPE MOUNT: PAINT

## PAINTING A PIPE MOUNT (IF DESIRED)



THERE ARE CERTAIN LIMITATIONS TO SPRAY PAINTING PIPES. LONGEVITY IS THE BIGGEST LIMITATION AS SPRAY PAINT IS LIKELY TO CHIP OR CRACK ON METAL WITH REPEATED USE.

Your 3/4" threaded Galvanized Steel or Black Iron Pipe can be primed, spray painted, and sealed, if desired. We recommend MONTANA-CANS spray paint.

### PAINT RECOMMENDATION:

#### **Montana Primer- Metal**

Apply several thin coats and allow ample dry time

#### **Montana GOLD Spray Paint**

(gold denotes semi-gloss finish, not color)

#### **Montana Varnish**

Gloss, Semi-gloss, or Matte



This brand is available in some retail locations or at [montana-cans.com](http://montana-cans.com)



THE GROH! SHOP HAS NO AFFILIATION WITH MONTANA-CANS. THIS IS A RECOMMENDATION BASED ON EXPERIENCE WITH A TRIED-AND-TRUE PRODUCT WE TRUST.

# PIPE MOUNT: INSTALL



## INSTRUCTIONS FOR INSTALLING A PIPE MOUNT



**EVERY SPACE IS DIFFERENT. CONSULT WITH A GC.  
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### **CENTER OF STUD/JOIST REQUIRED**

**ALL FRAMES ARE REQUIRED TO ATTACH TO TWO STUDS/JOISTS MINIMUM  
WITH TWO STRUCTURAL SCREWS INTO THE CENTER OF EACH STUD/JOIST.**



**THE CARGO NET CANNOT BEAR THE WEIGHT AS STRUCTURAL SUPPORT  
FOR ANY OTHER FEATURES.**

## **INSTRUCTIONS FOR INSTALLING CARGO NET PIPE (TO CEILING)**

### **STEP 1: ASSEMBLE PIPE AND THREAD NET ON**

- Using your pipes, assemble your mount and thread the cargo net on. Ensure all of the pipes are secured as tight as possible.
- ASSEMBLE THE ENTIRE MOUNT WITH THE NET. DO NOT INSTALL FLANGES FIRST.

### **STEP 2: FIND AND MARK CEILING JOISTS**

- Determine the area on your ceiling where you want to mount your pipe. You may need additional 3/4" plywood blocking if structural elements are not in your desired location. The mount **MUST** be installed to a structural element, such as a joist or blocking. **NO EXCEPTIONS.**
- Using a stud finder, locate and mark all joists in the designated climbing area. Ensure to mark the center of each joist.

### **STEP 3: MOUNT THE PIPE**

- Mark the appropriate location for the holes and drill a pilot hole for your fasteners.
- Using the correct fasteners for your joist type, have a friend assist you in holding up the mount and net to secure the flange into the joist.
- Repeat for each flange.

### **STEP 4: ADDING FLUSHMOUNT ANCHORS FOR STABILITY**

- Use the correct fasteners for your wall and/or flooring to securely install additional flushmounts at the corners or locations around the perimeter of your net.
- If attaching to CMU or Concrete walls or flooring, consult a local professional for specified fasteners and required spacing depending on your wall type.

# FAQ

## FREQUENTLY ASKED QUESTIONS

### DIY INSTALLATION

#### DO I NEED A CONTRACTOR TO INSTALL THE CARGO NET?

The grOH! Shop recommends only DIY-friendly products anyone can successfully install. However, we recommend that an experienced, licensed, and insured contractor install your gross motor features. Whoever installs this product should follow directions laid out in this guide.

#### WHAT TOOLS DO I NEED TO INSTALL? WHAT DOES MY WALL NEED TO BE MADE OF? DO I NEED TO BUY SCREWS?

A drill, level, and stud finder are required for install. You will need to buy screws depending on your mounting surface materials. CARGO NETS ARE NOT APPROVED FOR OUTDOOR USE. DO NOT install to brick or rock veneer.

### FLOORING

#### DO I NEED PADS ON THE FLOOR?

We always recommend floor protection. Check out our [FLOORING OPTIONS](#).

#### IS THERE A FALL SPACE REQUIREMENT FOR THE CARGO NET?

The grOH! Shop recommends a 6' (six foot) minimum perimeter around active play features for maximum falling or dismounting clearance.

#### WHAT SHOULD I GET?

For walls less than 10' tall, crash mats are sufficient. Safety mats are sold separately and available in The grOH! Shop for purchase!

### MAINTENANCE

#### DO I NEED TO DO ANYTHING TO TAKE CARE OF THE NET?

Our cargo nets are very low maintenance, pretty much zero. Any dirt can be wiped off with a damp cloth. You'll want to periodically make sure all mounting hardware is secure.

## ELEVATE YOUR KIDDO'S PLAY (LITERALLY!)

Your cargo net will revolutionize your kiddos' playtime! Gross motor play is vital to proper development!



## INTERESTED IN A GROH! MURAL?

Enjoy a signature grOH! mural on your walls, ceiling, climbing panels, or anywhere you like! Check out all of our murals at [shopgrohplayrooms.com](http://shopgrohplayrooms.com)!



## SHARE PHOTOS WITH US!

Please share photos! We love to see how your space has transformed!

*Don't worry, we won't share photos without your written consent!*



### CONTACT US

[shop@grohplayrooms.com](mailto:shop@grohplayrooms.com)

### FIND MORE RESOURCES AT

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