

# JAIL BRAKE

## INSTRUCTIONS & SAFETY GUIDE



Instructions and  
safety information for  
your Jail Brake device  
contained inside.  
For use with all size devices.

**5R**  
**7R**  
**HD**

# WARNINGS

## **The Jail Brake is designed for use by trained professionals!**

This device requires training, followed by practice in a controlled area with light loads until cause and effect are well understood. Lowering heavy objects is dangerous and requires knowledge, not only of device and threaded rope but anchor point strength and shock loading risks as well. Jail Brake LLC, its dealers, and distributors are not responsible for the use or misuse of any products. Products are provided with the understanding that the purchaser and/or user are thoroughly familiar with their correct application and proper use. Descriptions and drawings are given to show various uses or techniques, and are not substitute for proper training. Regular and thorough inspection of safety products should be performed to identify worn, tattered, frayed, or damaged devices. Such findings or known shock-loaded equipment should be tagged and retired to non-personal use, properly disposed of or destroyed to prevent further use. Thoroughly inspect target and work site for potential hazards and adjust accordingly. When rigging trees, aside from inspecting tree's trunk and anticipated anchor point(s), also inspect tree parts that might break free in the process of removing connected sections! And also, as a general statement, tree failures can occur underground, so carefully inspect the surrounding ground for signs of root decay or other weaknesses.

**DO NOT CONNECT** Jail Brake anchor loops with SNAP OR OTHER METAL CONNECTOR (always connect sling with girth hitch directly to sling loop).

**DO NOT ATTEMPT TO CONTROL ROPE WITHIN 2- FEET OF DEVICE**  
(hands could get sucked into rope path).

**DO NOT OPERATE WITHOUT FIRST BUNDLING LONG HAIR OR REMOVING LOOSE CLOTHING.**

**MAKE SURE YOU HAVE ENOUGH ROPE TO LAND TARGETED LOAD SAFELY**  
onto landing zone.

**DON'T OVER ESTIMATE THE STRENGTH** of your anchor point(s) or ropes.

Protect all components of your system from sharp edges, cutting, abrasion, climactic exposure, and pendulum falls.

## INFO ON THE GO

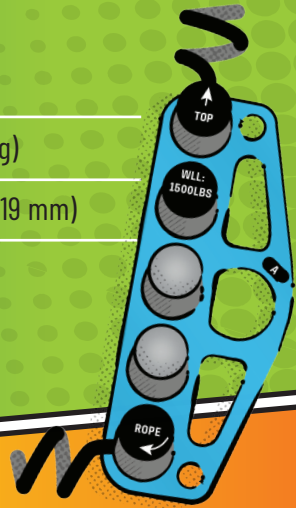


**Download  
Scannable  
for JB info  
on the go!**

Jail Brake's are equipped with NFC technology that allows users to access training information, manufacturing data and compliance info with a tap of your phone. Scan the QR code to download the Scannable app and access Jail Brake info on the go.

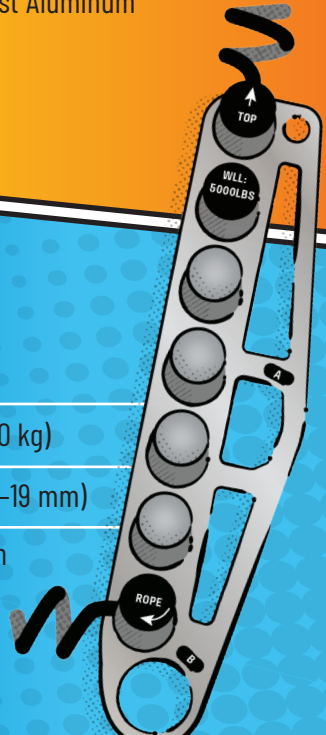
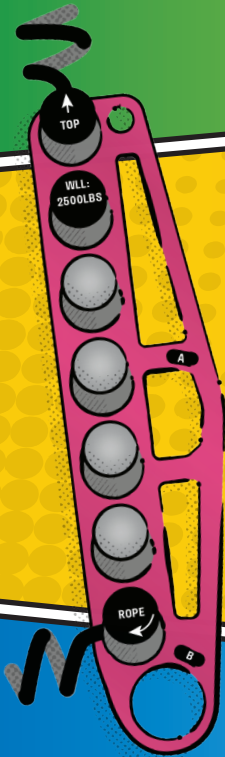
# SR

Weight	6.5 lbs
Working Load Limit (5:1)	1,500 lbs (680 kg)
Min/Max Rope	7/16" - 3/4" (11-19 mm)
Material	Cast Aluminum



Weight	8 lbs
Working Load Limit (5:1)	2,500 lbs (1,125 kg)
Min/Max Rope	7/16" - 3/4" (11-19 mm)
Material	Cast Aluminum

# 7R



# HD

Weight	8.5 lbs
Working Load Limit (5:1)	5,000 lbs (2,250 kg)
Min/Max Rope	7/16" - 3/4" (11-19 mm)
Material	Cast Aluminum

# JB ANATOMY

## Top Pigtail Rope Guide

It's extremely important that the user confirms the rope is passed through this before threading the device.

## Rungs

Rope gets serpentine through the rungs to create friction. Jail Brake HD and 7R have seven rungs, while the 5R has five.

## Bottom Pigtail Rope Guide

Ensure that rope is wrapped around right side of bottom pigtail before passing through this rope guide.

## Accessory Loop

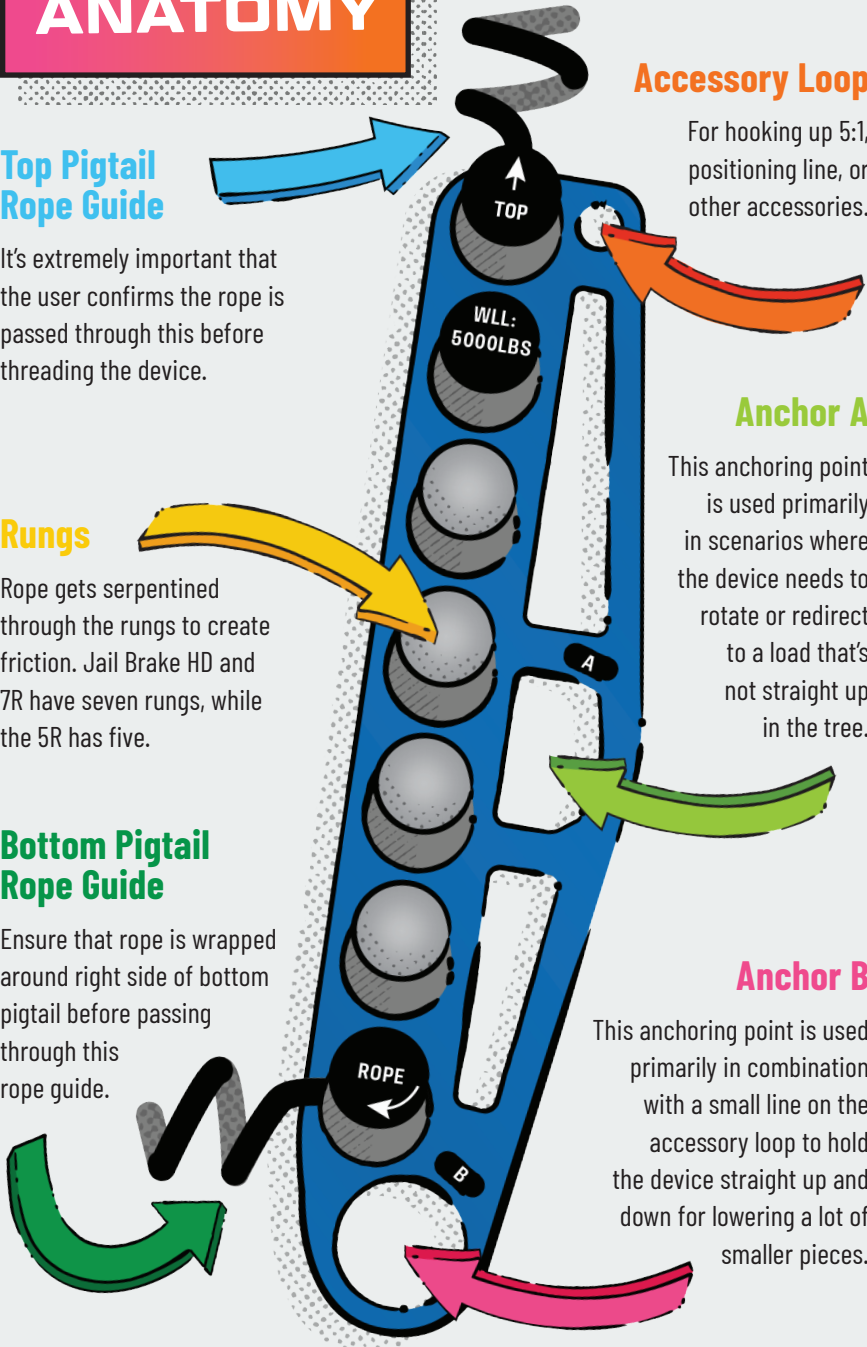
For hooking up 5:1, positioning line, or other accessories.

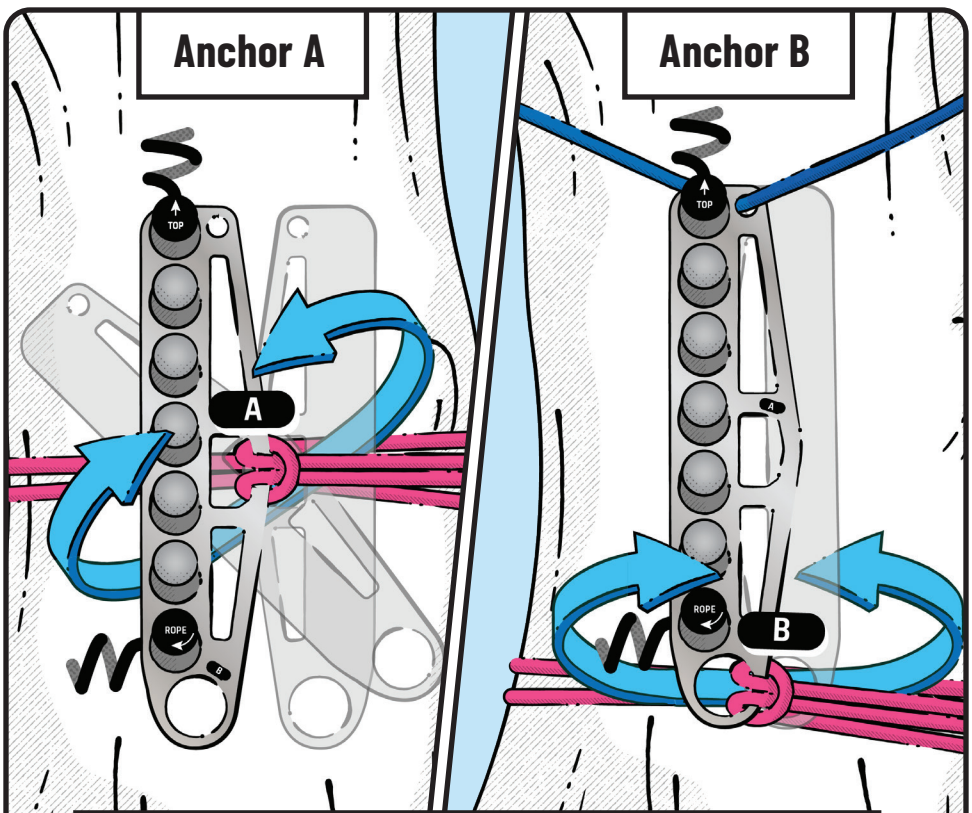
## Anchor A

This anchoring point is used primarily in scenarios where the device needs to rotate or redirect to a load that's not straight up in the tree.

## Anchor B

This anchoring point is used primarily in combination with a small line on the accessory loop to hold the device straight up and down for lowering a lot of smaller pieces.



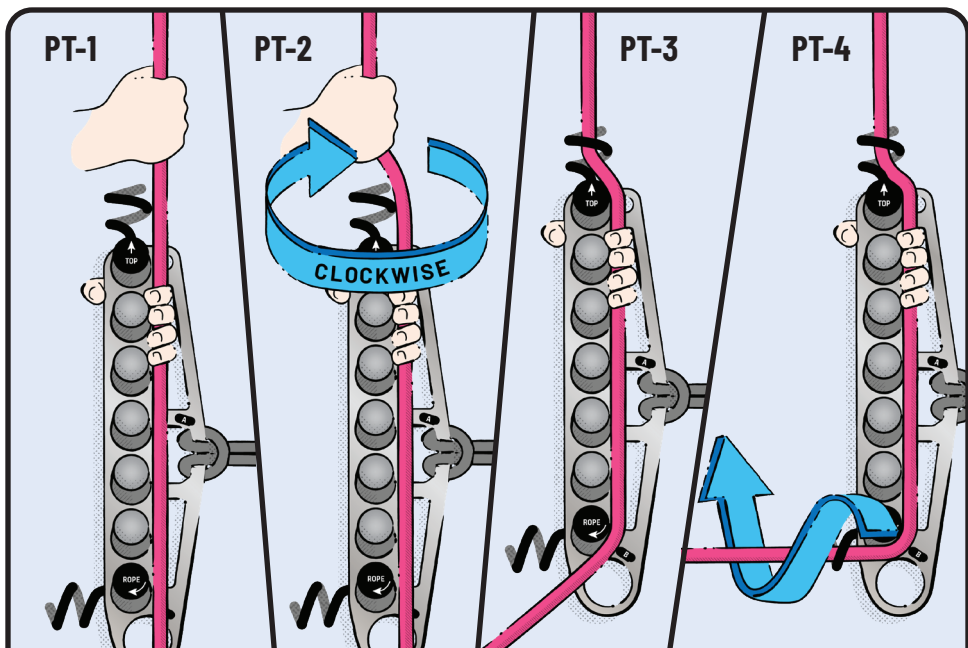


## RIGGING AND SECUREMENT OPTIONS

Both rigging options require a flexible attachment method, such as a whoopie sling or spliced eye sling. **Do not use a rigid attachment** such as a carabiner.

**Anchor A Rigging** allows the device to pivot and twist about the center of the unit (see Anchor A image). For use when removing larger limbs, limbs out of other trees, or entire trees.

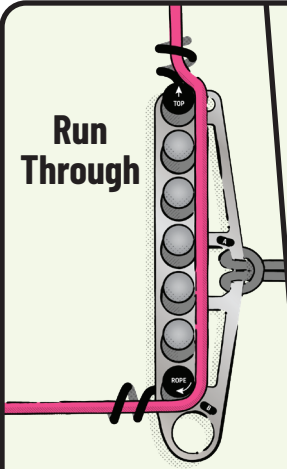
**Anchor B Rigging** allows the device to pivot about the bottom of the unit (see Anchor B image), or if using an accessory line like the blue one pictured, it can be tied in a straight up position for easy loading and unloading. This is primarily used for trimming smaller branches that won't put significant stress on the top pigtail rope guide when falling. A redirect block could be used just above the device to also reduce stress on pigtails.



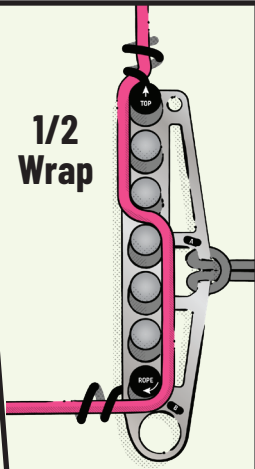
## QUICK START INSTRUCTIONS

1. When anchoring to tree, use Anchor A or Anchor B with a large sling or rope and, using a cow hitch, tie to the base of the tree you will be rigging from.
2. Once secure and you've chosen what piece of the tree you will be cutting/ lowering, hold rope against rungs with one hand (see PT-1). With your free hand, hold the rope above the top pigtail rope guide and move rope in clockwise motion to twist into the pigtail (see PT-2).
3. Depending on weight of load and inherent friction in rigging setup, choose number of rungs to use. Note: it is always safer to use more rungs than needed while learning to use the device.
4. After rungs are threaded, make sure rope wraps around the bottom of the last rung according to the engraved arrow marking (see PT-3).
5. Twist rope into bottom pigtail rope guide (see PT-4).
6. To pull tension, pull down on rope coming into top of device and pull on bottom rope at the same time.
7. Device is loaded and ready for weight bearing load.

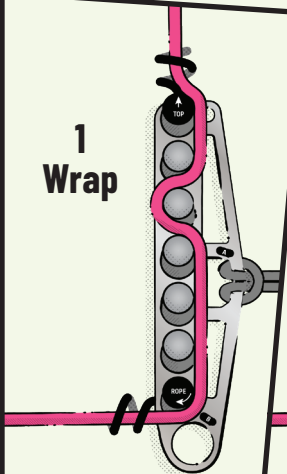
**Run Through**



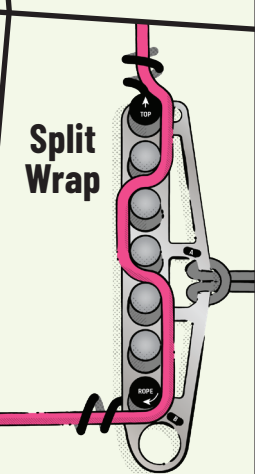
**1/2 Wrap**



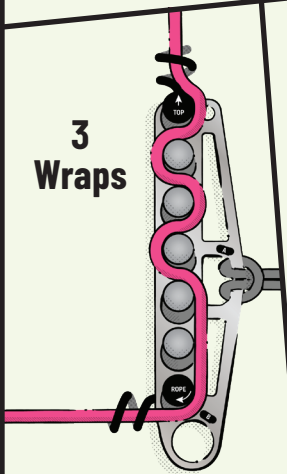
**1 Wrap**



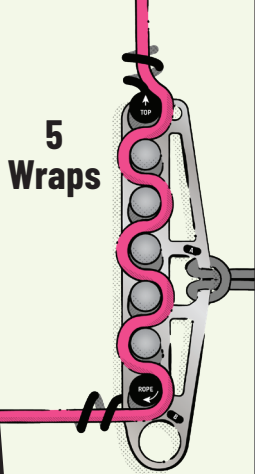
**Split Wrap**



**3 Wraps**



**5 Wraps**

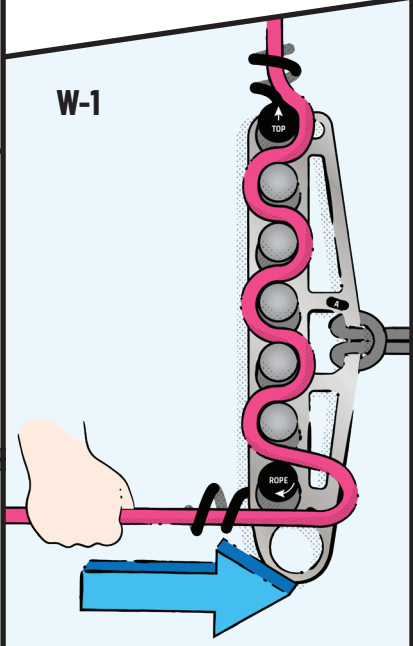


## WRAP OPTIONS

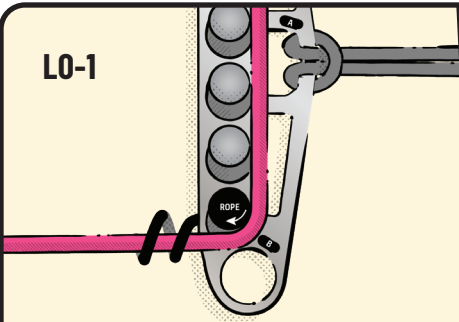
With the Jail Brake, more wraps will allow for a higher load, dependent on the rope diameter. Even set at Run Through, the Jail Brake provides friction under load.

If the device is over wrapped, do not attempt to remove wraps while under load. Simply feed slack into the bottom pigtail and continue lowering (see W-1).

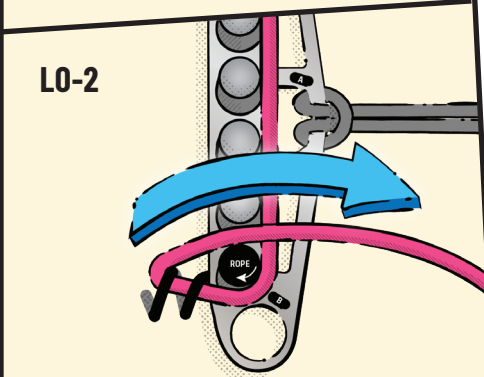
**W-1**



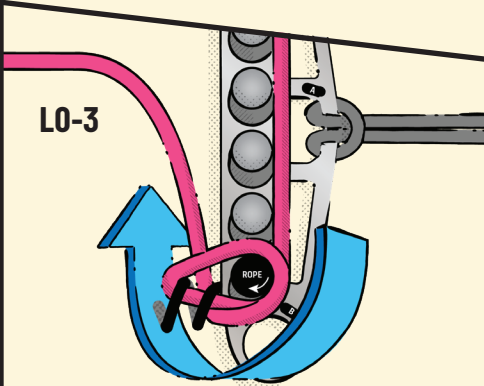
L0-1



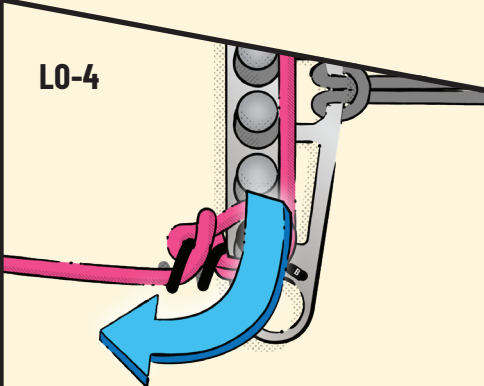
L0-2



L0-3



L0-4



## LOCKING OFF

The Jail Brake device allows you to easily lock-off the rope utilizing the rungs and the bottom pigtail rope guide.

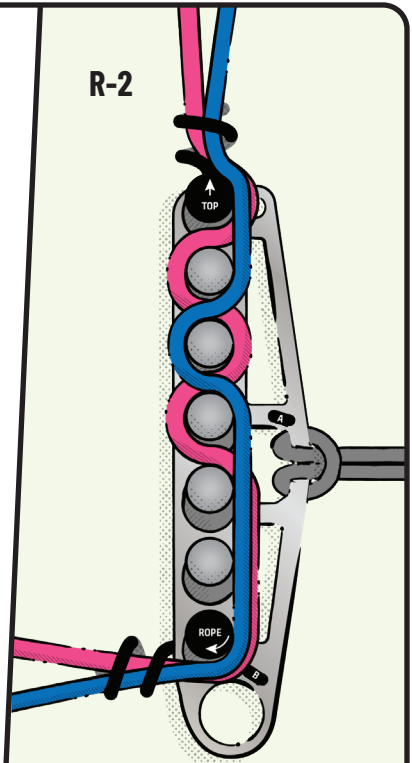
1. To lock-off, leave rope threaded through bottom pigtail (see L0-1).
2. Pull rope back through bottom two rungs (see L0-2).
3. Pull rope back around the bottom rung, under the bottom pigtail and to the back (see L0-3).
4. Finally, pull rope over itself and thread back into bottom pigtail (see L0-3).

## USING TWO ROPES

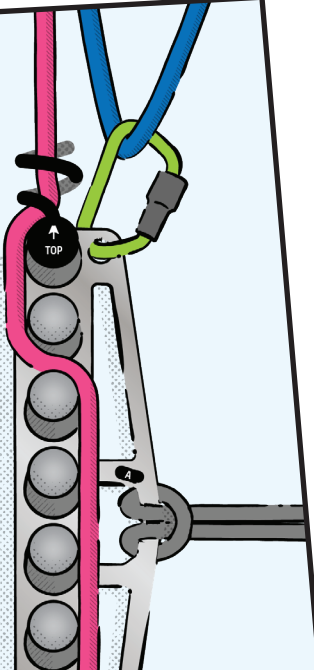
The Jail Brake device allows a **single** operators to use two ropes simultaneously. To use two ropes, hold ropes together and guide through pigtails at the same time to ensure that the ropes don't get twisted. Each rope can have a different rope configuration (see R-2) and can be controlled individually by the ground operator.

If using two ropes, there will not be room to safely lock-off using the bottom pigtail rope guide.

R-2



AL-1



## ACCESSORY LOOP

To attach 5:1, positioning line, or other accessories to Jail Brake, connect or run through the accessory loop at the top of the device (see AL-1).

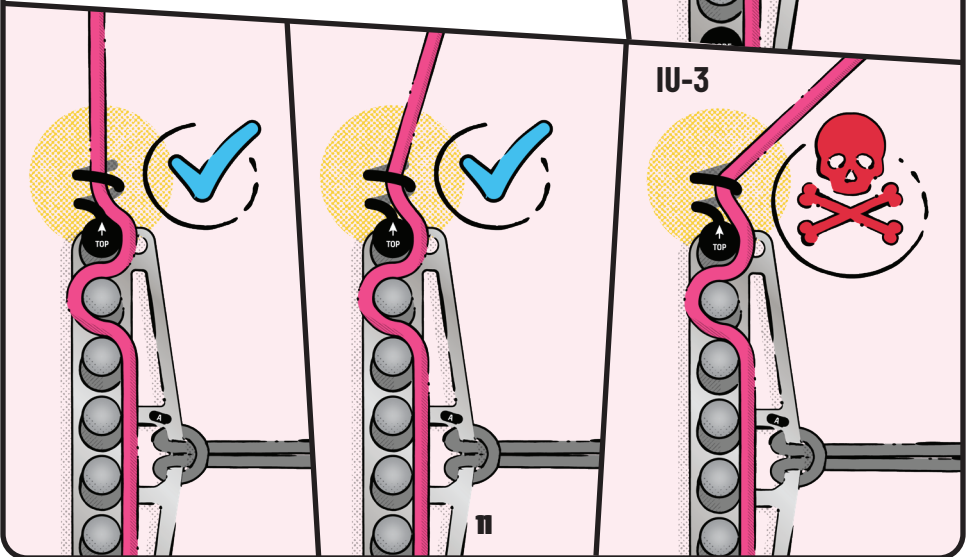
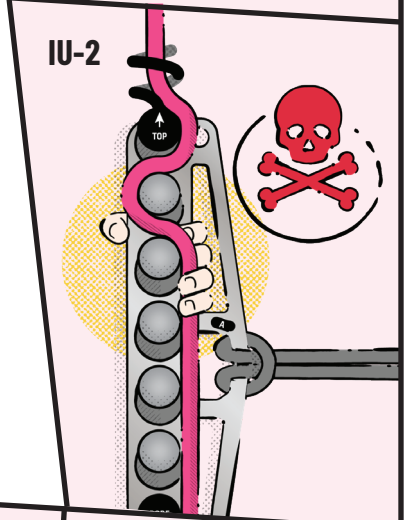
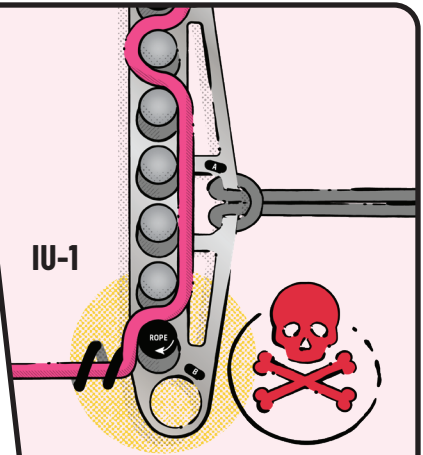
# IMPROPER USE

Improper use of the Jail Brake can result in shock loading, putting the ground operator at risk and/or creating stress to the device itself.

**Do not bypass the final rung** (see IU-1). Always wrap rope around rung as indicated by the arrow.

**Do not put fingers between rope and Jail Brake when device is under load** (see IU-2). If over wrapped, feed slack through bottom pigtail (see W-1).

**Do not create load on top pigtails** (see IU-3). Pigtails are rope guides only. Pigtails are designed to bend and not fail, but are not designed to be load bearing. Extreme angles can put load on pigtails and compromise Jail Brake.



**BY  
ARBORISTS.  
FOR  
ARBORISTS.**



**JAIL BRAKE**

## **FEATURES:**

**Zero** hockles, melted or glazed ropes

Run **two ropes** simultaneously

**Multiple** mounting options

Mounts on **any** diameter tree

Designated loop for attaching an **accessory**

True **1/2 wrap** capabilities

Weights only **8 lbs.** (7R)

Extremely **smooth operation**

Fast and easy **lock-off**

**Never** binds up under load

Working load limits range is **1,500-5,000 lbs.**

**5:1** safety rating

No taking off "over wraps" – simply **introduce slack**

**Scannable** technology for mobile info

**JailBrake.net**