

# ON ROPE 1

For the Serious Rope User...

Caving  
Arborists  
Recreation  
Rappelling  
Firefighting  
Stunt Riggers  
Rock Climbing  
Mountaineering  
Industrial Users  
Adventure Racing  
Search and Rescue  
Challenge Courses  
Military Operations

Custom Sewn Gear and  
Rope Climbing Systems for  
All Professions and Pursuits

Catalog No. 10  
Products & Gear

Effective 12-1-06

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Friends,

On Rope 1 is now moving into our 12th year of business. Taking a look back, we find that we have designed, tested, and built thousands of harnesses, bags, belts and other pieces of gear with these primary goals in mind - comfort, reliable, practical, dependable, affordable, lightweight, and, above all, safe!

Through it all, we have tried to maintain the fine balance between these goals. Lighter might not always mean safe, cheaper materials may not be reliable or easy to use, and comfort often comes at the expense of compactness. All in all, it is our goal to continue to balance every piece of gear we make against these standards.

With your business, you have told us that we are meeting your needs. Thank you for your continued support and confidence in our equipment. We promise to continually strive for even better gear over the coming years.



**Bruce Smith**  
President, On Rope 1



Cover Photo by Tim Curtis - Stephens Gap Cave. On Rope are Jonathon Roberts (left) and Brandon Powers.

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## Products

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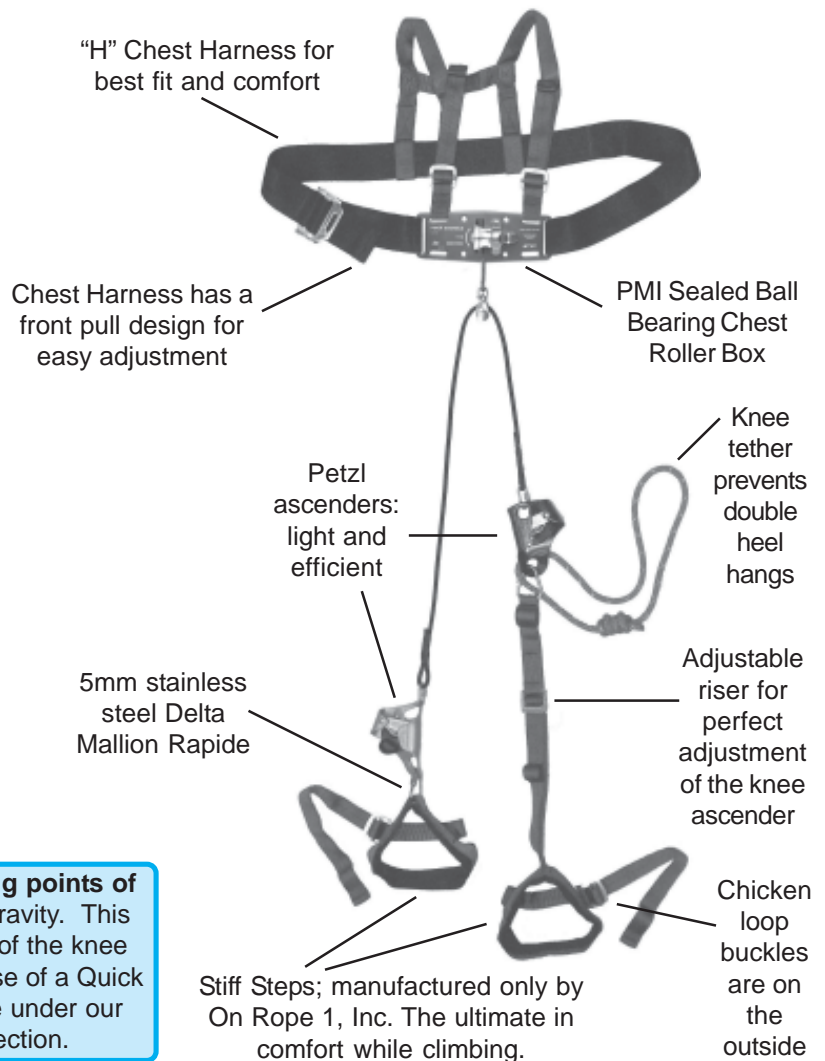
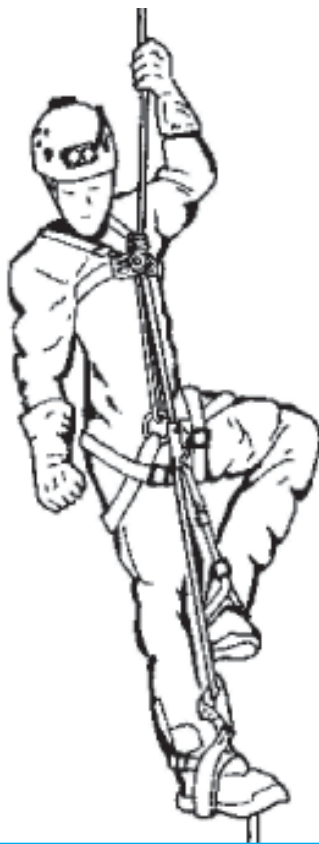
## OR1 Double Bungie Ropewalker

F20

\$295.00

Best Seller

- D A Double Bungie Ropewalker is the **fastest and most efficient rope climbing system** in the world.
- D Since the ascenders do not need to be manually advanced, this climbing system is perfect for long drops and allows the user to be "hands free" while climbing.
- D Most body types will find that this system is easy and versatile.
- D While climbing, the user remains in an upright position.
- D To stop and rest, the user need simply attach a QAS (item # F04, page 7) or upper ascender to the rope, tethered to his or her harness, and sit.
- D This system includes:
  - 1 - OR1 "H" Chest Harness (F09)
  - 1 - PMI Sealed Ball Bearing Chest Roller Box (HD26108)
  - 1 - OR1 Bungie Cord Assembly (F03)
  - 1 - Petzl Basic (B18)
  - 1 - Tether (8mm loop that connects to the Petzl Basic and then to the seat harness)
  - 1 - Petzl Croll (B16)
  - 1 - OR1 Stiff Step - Right (F01)
  - 1 - OR1 Stiff Step - Left (F02)
  - 1 - 8mm Tether Safety Cord
- D Upgrades and options:
  - Upgrade the chest harness to an OR1 Hammock Chest Harness - \$19.50 (item # is "HAM" - sizing on page 2)
  - Replace the right stiff step with an OR1 Tandem Stiff Step - \$4.75 (item # is "F01TR")
  - Replace the Petzl Croll and Basic with CMI Ultrascenders and corresponding Maillon Rapides - \$19.30 (item # is "ULTUP")



A full protection climbing system has **two gripping points of attachment** at or above the climber's center of gravity. This often requires a tether attached from the bottom of the knee ascender to the seat harness and the additional use of a Quick Attachment Safety (QAS). The QAS is available under our "Ropewalker Components & Accessories" section.

## OR1 Sizing Information

### Stiff Steps

- D Measuring is not a precise science; there are many variables to consider such as:
  - Boot width
  - Boot type - padded or thin boots effects size
  - Amount of use - Nylon will shrink up to 10% after repeated wet/dry conditions
- D As a general rule, the following chart will apply for most situations:

Men's Boot Size	Boot Circumference	Stiff Step Size to Order
6 - 8 (average female)	14"	15
8 - 9 1/2	15"	16
10 - 13	16"	17

- D Double check by loosely measuring the boot circumference at the instep (2 vertical fingers between the laces and the measuring tape) and add 1 inch. This additional inch is lost during sewing and the protrusion (left and right) of the steel plate in the instep.
- D Again, remember that nylon shrinks 5-10% over the years.
- D If needed, custom sizes can be made for you.

### Bungie Cords

- D The bungie cord length is almost directly proportional to a person's height and assuming the following:
  - The user wears his/her chest roller high above the nipple line,
  - The knee ascender is at the knee cap, and
  - The foot ascender is on top of the boot.
- D A person with long legs or a long waist may consider the next size up if borderline or between sizes.

Height	Bungie Cord to Order
4'10" - 5'3"	Small
5'3" - 5'10"	Medium
5'10" - 6'5"	Large
Other?	Call

### Hammock Chest Harnesses

- 1) With your arms down by your sides, have a friend measure around your chest high under your armpits.
- 2) Subtract 10" from this measurement to get your size.
- 3) Choose the measurement closest to that number without going over the next size up.

For example, if you measure 44" around, subtracting the 10", your size is a 34". A large measures 33", an XL 38". You would need a large.

Chest Measurement minus 10"	Hammock Size
18"	XS
24"	S
28"	M
33"	L
38"	XL

### "H" Chest Harnesses

- D With your arms down by your sides, have a friend measure around your chest just under your armpits.

Chest Size	Harness Size
30-50"	M
33-57"	L
Other?	Call

## Custom Requests

- D Custom cut items, custom sewn items or custom color schemes may not be returned to On Rope 1, Inc.

Prices in this catalog are subject to change without notice.

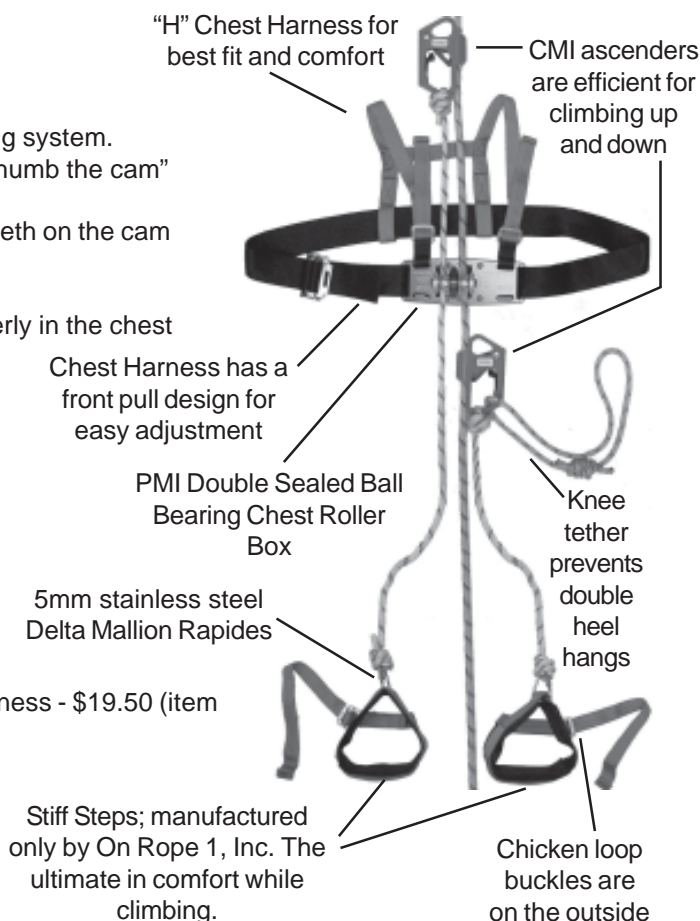
# Ropewalker Systems

## OR1 Mitchell Climbing System

F30

\$318.00

- D The Mitchell Climbing System is a fast and versatile rope walking system.
- D Since both ascenders are in the climber's hands, it is easy to "thumb the cam" allowing for easy self starts and down climbing ease.
- D OR1 suggests CMI Ultrascenders because they have straight teeth on the cam which allow for easier operation.
- D A practiced user can descend as fast as he/she can ascend.
- D Rope is used for the ascender cords so the system works properly in the chest rollers.
- D This system includes:
  - 1 - OR1 "H" Chest Harness (F09)
  - 1 - PMI Sealed Ball Bearing Chest Roller Box (HD26109)
  - 2 - CMI Ultrascenders - short (ULTAS02-2)
  - 1 - Long cord (F07)
  - 1 - Short cord (F08)
  - 1 - OR1 Stiff Step - Right (F01)
  - 1 - OR1 Stiff Step - Left (F01L)
  - 1 - 8mm Safety Tether
- D Upgrades and options:
  - Upgrade the chest harness to an OR1 Hammock Chest Harness - \$19.50 (item # is "HAM" - sizing on page 2)
  - Jumar Upgrade - \$42.00 (434400-UP)



## OR1 Mast Climbing System

F31

\$438.00

The OR1 Mast Climbing System is the most efficient, fastest mast/rope climbing system available. The average person can climb a 50' mast in about 1 minute!

- D One person operation: there is no need for a group to haul each other to the top of the mast to repair lights, antennas, or pulleys
- D Self starting: No need to have someone hold the lower end of the rope.
- D Down climb as fast as you climb!
- D Sit and rest with both hands free while working or taking pictures. No cumbersome Bosun Chair - this system includes a safer, comfortable, form-fitting seat harness.
- D Steel inserts in the foot stirrups. Climb in any type of footwear - or none!
- D This system includes:
  - 1 - F30 Mitchell climbing system (components listed above)
  - 1 - F04 Quick Attachment Safety (QAS) for sitting and resting
  - 1 - F70 Endurance seat harness (Specify size when ordering - see page 11)
- D Upgrades and recommendations:
  - On Rope (BK13011) - A ready reference that is considered the "Bible" of Single Rope Techniques. \$30.00 - Autographed free!
  - Padded Endurance upgrade - \$28.50 (item # is "PEND" - see page 11)
  - Upgrade to Hammock Chest Harness - \$19.50 (item # is "HAM" - sizing on page 2)
  - Jumar upgrade \$42.00 (434400-UP)
  - Work Bucket (F32) - 14" deep X 8" in diameter. Custom made for working on masts. \$18.00



# Ropewalker Components & Accessories

## OR1 Right Stiff Step

F01

\$22.75



- D** A sewn foot loop with a metal insert in the tread of the loop makes this stirrup the most comfortable stirrup a climber will ever use.
- D** A stainless steel Delta Maillon Rapide is used for the top attachment.
- D** Practice in sneakers, Texas, boat shoes, even street shoes.
- D** Stiff steps are the foundation and paradigm shift in the climbing world.
- D** Buckles are on the outside of all steps unless otherwise requested.
- D** Three standard sizes: 15, 16, 17. See "Sizing Information" below for details.

## OR1 Left Stiff Step w/ Adjustable Riser

F02

\$31.00



## OR1 Pair of Stiff Steps

F0102

\$52.50

- D** The left stiff step w/ adjustable riser (F02) and the right stiff step (F01, not the tandem step).
- D** See "Sizing Information" below for details.

## Mitchell Stiff Steps

F01 (right)

\$22.75

F01L (left)

\$22.75

F0101L (pair)

\$45.00

- D** A pair of short stiff steps is available with opposing buckles.
- D** Good for Mitchell, knot climbers, Helical users and other lesser known systems.
- D** See "Sizing Information" on page 2 for details.

## Stiff Steps

**D** Measuring is not a precise science; there are many variables to consider such as:

- Boot width
- Boot type - padded or thin boots effects size
- Amount of use - Nylon will shrink up to 10% after repeated wet/dry conditions

**D** As a general rule, the following chart will apply for most situations:

Men's Boot Size	Boot Circumference	Stiff Step Size to Order
6 - 8 (average female)	14"	15
8 - 9 1/2	15"	16
10 - 13	16"	17

**D** Double check by loosely measuring the boot circumference at the instep (2 vertical fingers between the laces and the measuring tape) and add 1 inch. This additional inch is lost during sewing and the protrusion (left and right) of the steel plate in the instep.

- D** Again, remember that nylon shrinks 5-10% over the years.
- D** If needed, custom sizes can be made for you.

## Right Tandem Stiff Step

F01T

\$27.50

- D** This step has a 4" stiff riser at the top of the step to prevent the step from rotating uncomfortably when tandem climbing.
- D** Ergonomically designed to prevent ankle twisting.



## OR1 Mitchell Cords

F08 (short)

\$3.00

F07 (long)

\$4.50

- D** Made of strong and durable 9mm (5/16") static rope, these cords are the proper length for Mitchell users up to 6'8".
- D** The rope on the long cord works well through the chest roller.

## OR1 Soft Steps

F5001 (each)

\$14.00

- D** These foot loops do not have stiff plates in the instep.
- D** Available in size 17 only.
- D** Specify left or right step when ordering individually.

# Ropewalker Components & Accessories

## OR1 QAS - Quick Attachment Safety

F0401 \$69.85

- D** QAS, third cow's tail, or Jumar safety, call it what you wish.
- D** A handled ascender with a rope lanyard that is fully adjustable from 10" to 40" (harness eye to ascender eye).
- D** The adjustment is achieved through the careful engineering of a Triple Wrapped Prusik Hitch.
- D** By having the ability to adjust the lanyard length, the ascender will always be at just the right length.
- D** Choose from a right or left Petzl Ascension.
- D** Other ascenders are available (prices will vary). See the "Climbing Hardware" section (page 18) for information.



## OR1 Reversed QAS

F0401R \$75.00

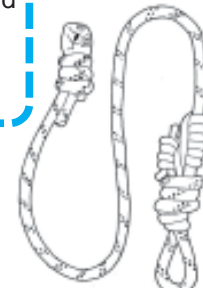
- D** If you use a chest plate with double rollers and run your QAS through one of the rollers, OR1 recommends that you use a reversed QAS.

Our QAS and Adjustable Lanyard both come with detailed user documentation.

## OR1 Adjustable Lanyard

F04 \$10.00

- D** Ever wished an ascender could reach just a little further?
- D** The OR1 QAS has the ability to adjust to the exact length needed.
- D** Shorten for climbing, lengthen to cross a tough obstacle.
- D** Either way, the adjustable lanyard is a necessity for any climber.
- D** Adjustment range of 10"-40".



Fully lengthened



Fully shortened

## Accessory Carabiners

K755.05 (key, anodized, 50mm) \$4.50  
K705.06 (key, anodized, 65mm) \$5.00

- D** This little accessory carabiner can be quite useful when a small clip is needed.
- D** Commonly used to clip your double-bungee system to the chest plate.



K755.05

K705.06

- D** Our accessory carabiners feature a "key" lock will not hang on clothes or in the hole like other hook versions can.



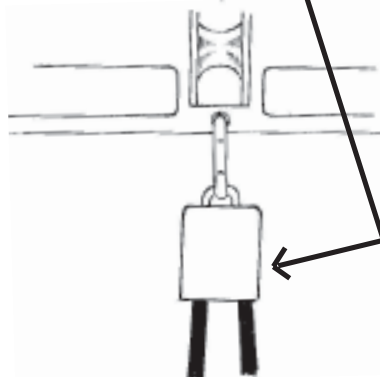
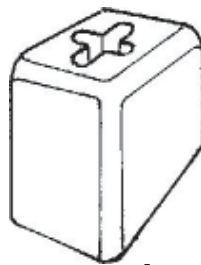
Key Lock

Hook Lock

## OR1 Pinch Protector

R80 \$8.25

- D** Occasionally, the chest pulley sucks either clothing or chest hairs into the pulley.
- D** This hollowed-out, milled piece of nylon is the perfect solution.



## OR1 Bungee Cord Assembly

F03 (w/ hardware) \$15.00  
F06 (just cord) \$10.00

- D** These 1/4 inch extra bouncy cords are hand made in the USA.
- D** It includes a quality small pulley with a brass sheave, two 3.5mm Maillon Rapide quick links and an appropriate attachment device at the top.
- D** The end loops are secured with stainless steel clamps and covered with shrink tubing.
- D** See sizing chart below when ordering .



HEIGHT	BUNGIE CORD TO ORDER
4'10" - 5'3"	Small
5'3" - 5'10"	Medium
5'10" - 6'5"	Large

