R.A.C.E. System
(Rapid Access Casualty Extraction)
INSTRUCTION GUIDE

REF 90-0063 (MTC) | REF 90-0077 (COY)

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ZZ-0757 · REV062725

R.A.C.E. System

(Rapid Access Casualty Extraction)

PEGASUS ROPES

Contents:

QTY 1 Havoc Rope 150ft - 9.5mm

QTY 1 Rope Edge Guard

QTY 7 rockD Carabiner

QTY 1 TriRig Rigging Plate

QTY 1 Anneau Sling, 60cm

QTY 1 Anneau Sling, 120cm

QTY 1 Adjust. Footape

QTY 1 Hasty Harness

QTY 1 GRIGRI 2 Belay

QTY 1 Basic Ascender

QTY 1 TIBLOC Ascender

QTY 1 BELAY Reverso 4

QTY 4 Pulley, Mini Machined

Lightweight, multiple use casualty evacuation system enabling first responders/medical providers to ascend, descend, hoist & lower both rescuer & casualty to safety

Combines 150 ft of lightweight durable 9.5mm Havoc Assault Rope with the latest in lightweight multipurpose hardware all in a super compact storage platform.

Illustrated directions included for rigging 3:1, 6:1, and 9:1 systems in different configurations for a wide variety of rescuer options.

Nylon bag features bottom zipper hardware pouch with 6 MOLLE/PALS loops for hardware organization and 4 elastic loops for stowing straps, anchor and foot loops.

Front pocket allows for optional storage of helmet and rope guard.

Rope compartment features two-bar-tacked internal webbing loops for rope ends.

Carriage options include 4 Point D-ring configurable modified side and/or backpack carry-style adjustable strap.

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COLOR	ITEM#	NSN#
MTC	90-0063	----
COY	90-0077	----

COY MTC

Kit Dimensions:
H 15 in. x W 10 in. x D 7.5 in.

Wt: 10 lb 14 oz

WARNING

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WARNING:

**Rescue, Rappelling, Canyoneering and Rope Access are inherently dangerous activities. Proper training is mandatory before conducting activities. Failure to follow all instructions and care for your rope can result in serious injury or death. Any person using Pegasus Ropes assumes all risks and responsibilities for any and all damages or injuries of any kind.*

**All systems are designed for non traditional rescue with minimal hardware and anchors.*

**A secondary anchor should be used when possible.*

**During training a belay system with a second rope should be used.*

General Use and Inspection:

Pegasus ropes have been designed specifically for rescue and rope access applications. Proper training is required before using this product.

Knots reduce the working load of ropes. Carefully choose the type of knot used for terminations. A retraced figure 8 knot is the recommended termination.

All ropes wear out over time and should be retired when signs of excessive wear or dynamic shock loads are applied to the rope. It is important to inspect the rope both before and after use to make sure that it is safe to use.
If the rope shows any of the following problems it should be retired from use.

Check the entire length of the rope for soft spots, bulges, excessive wear, discoloration or glazing.

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Abrasion:

Sheath damage is the most common reason for rope retirement. Carefully inspect the sheath for fraying on more than half the sheath, holes exposing the core and pulls.

Chemical Contamination:

Exposure to chemicals can reduce the strength of the rope without showing signs of damage. Chemicals like fuels, battery acid and vehicle fluids can cause damage to the sheath and core of the rope. Be careful to keep the rope away from chemicals and other items which can transfer chemicals to the rope.

Sharp Edges:

An edge guard should always be used to protect the rope. Take care to protect the rope from anything that will cause abrasion or cut the rope.

High Temperatures:

Do not expose ropes to high temperatures or near open flames while in use or in storage. High temperatures can damage the rope fibers that can cause strength loss.

Cleaning:

The Pegasus ropes should be cleaned with warm water.
Make sure to rinse thoroughly and hang dry.
Do not use a dryer for drying the rope.

Storage and Transportation:

Ropes should be stored out of direct sunlight, away from chemicals and excessive heat.
Store and transport in rope bag and backpack.

Rope Life:

Frequent/Weekly Use: 3 to 6 months

Occasional/Monthly Use: 1 to 2 years

Infrequent Use: 3 to 5 years

Descending with **GriGri2** or **Reverso**

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Components:

One main rope

2 Locking Carabiners

1 GriGri2 or Reverso

Set-up (GriGri2):

Set the anchor point. Attach locking carabiner to anchor sling.

Attach rope to locking carabiner. Tie a stopper knot in the tail end of rope to prevent rappelling off the end of the rope.

Route rope through GriGri2. Attach GriGri2 to locking carabiner. Test pull on rope to make sure it is fed properly.

Make sure all carabiners are locked.

Use handle on GriGri2 to allow rope to pass through the device. If there are any problems release handle to engage cam and stop rope movement.

Set-up (Reverso):

Set the anchor point. Attach locking carabiner to anchor sling.

Attach rope to locking carabiner. Tie a stopper knot in the tail end of rope to prevent rappelling off the end of the rope.

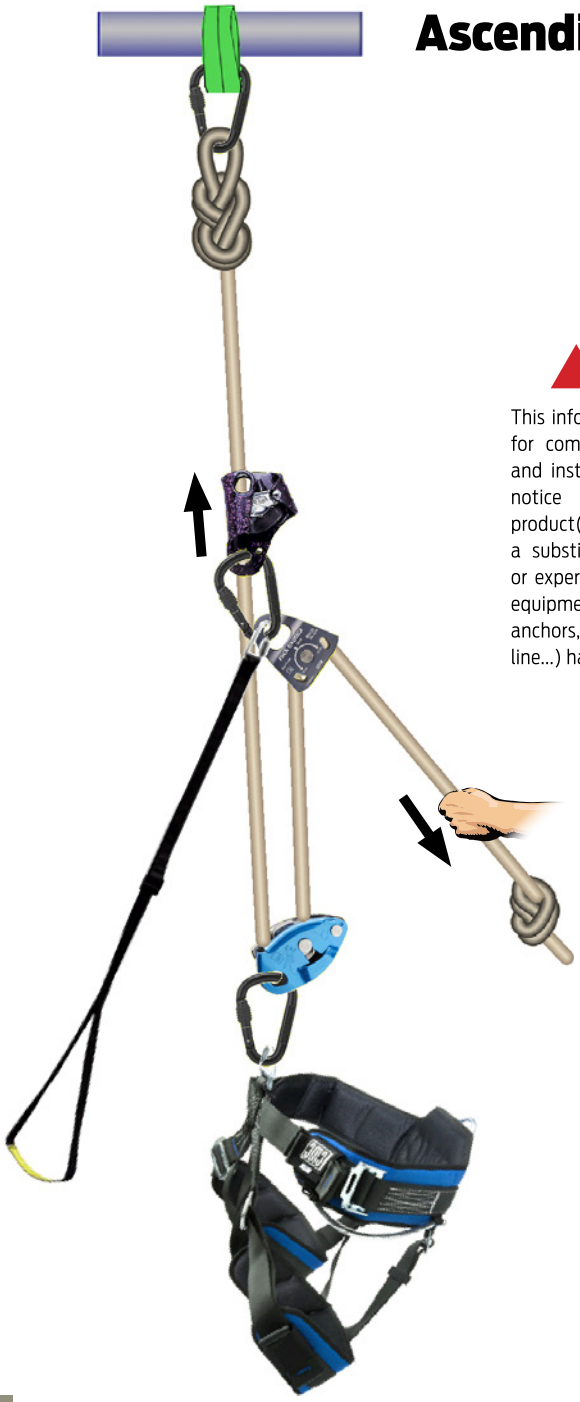
Make a bite in rope and feed through slot in Reverso.

Clip locking carabiner through bite, wire loop and harness.

Make sure all carabiners are locked.

Use brake hand to slow or stop yourself coming down the rope.

Ascending Rope



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Components:

One main rope

3 Locking Carabiners

1 GriGri2

1 Pulley

1 Basic Ascender

1 Adjustable Foot Tape

Set-up:

Set the anchor point.
Attach locking carabiner to anchor sling.

Attach rope to locking carabiner.

Route rope through GriGri2. Attach GriGri2 to locking carabiner.
Test pull on rope to make sure it is fed properly.

Thread the rope through the pulley.
Attach Basic ascender to rope and clip locking carabiner, pulley and foot tape to Basic ascender.

Make sure all carabiners are locked.
Tie a stopper knot in the tail end of rope to prevent rappelling off the end of the rope.

Pull tail end of rope while stepping up on foot tape.
Release tension on foot tape and raise Basic ascender.

Repeat step 6 to ascend the rope.

3:1 (Z-Rig) Haul System

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Components:

One main rope

3 Locking Carabiners

1 GriGri2

1 Pulley

1 Tibloc

Set-up:

Set the anchor point.
Attach locking carabiner to anchor sling.

Route rope through GriGri2.
Attach GriGri2 to locking carabiner on anchor sling.
Test pull on rope to make sure it is fed properly.

Thread the rope through the pulley.
Attach Tibloc to rope and clip locking carabiner through Tibloc and pulley.

Make sure all carabiners are locked.
Tie a stopper knot in the tail end of rope to prevent rope from back feeding through devices.

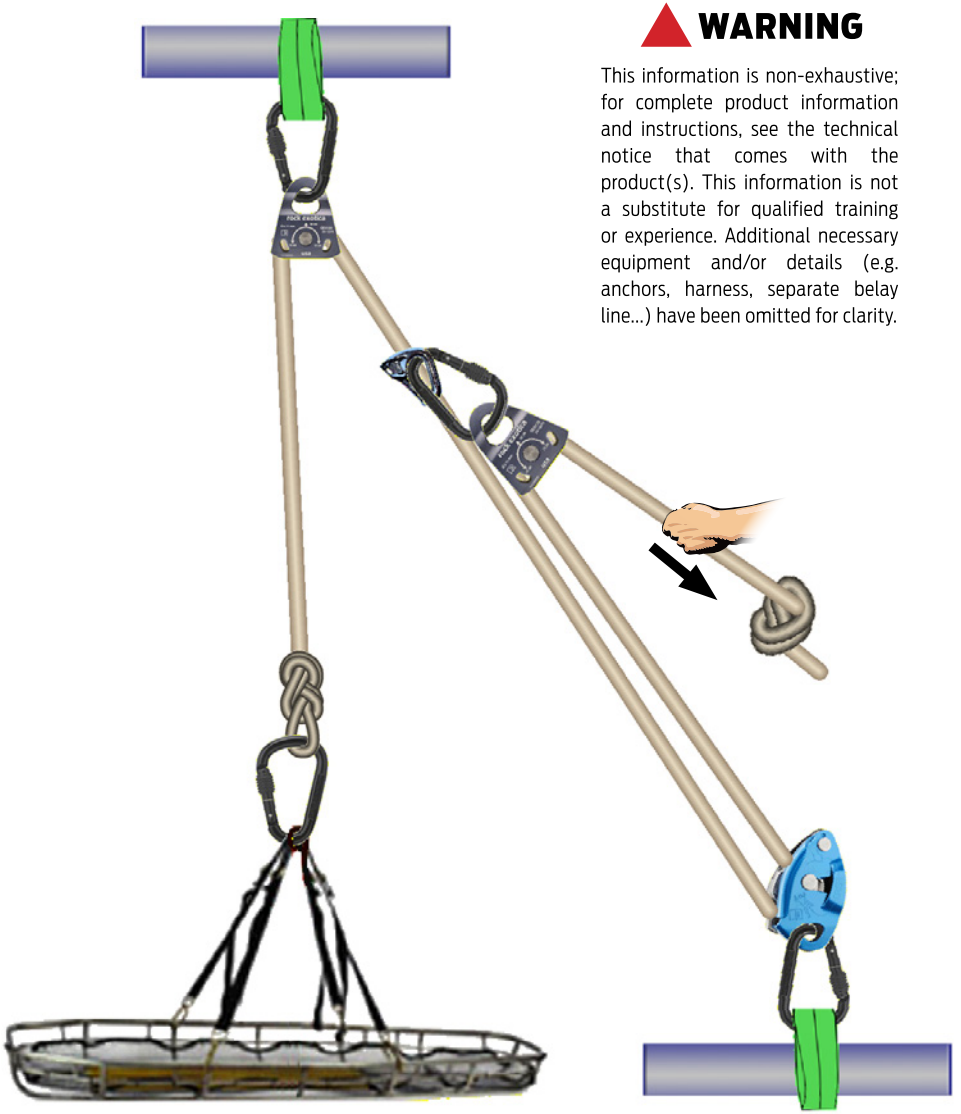
Pull tail end of rope to hoist load.

Notes:

Edge protection is recommended on all rough edges to protect the rope.

In a training scenario a belay line connected to a separate anchor is recommended.

3:1 Haul System (redirect to lower anchor)



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Components:

One main rope

4 Locking Carabiners

2 Pulleys

1 GriGri2

1 Tibloc

Set-up:

Set the anchor point above load.
Attach locking carabiner to anchor sling.

Route rope through pulley at top anchor to redirect rope downward. Attach to locking carabiner to pulley at top anchor.

Set lower anchor point.
Attach locking carabiner to anchor sling.

Route rope through GriGri2.
Attach GriGri2 to locking carabiner at lower anchor.
Test pull on rope to make sure it is fed properly.

Thread the rope through the pulley.
Attach Tibloc to rope and clip locking carabiner through Tibloc and pulley.

Make sure all carabiners are locked.
Tie a stopper knot in the tail end of rope to prevent rope from back feeding through devices.

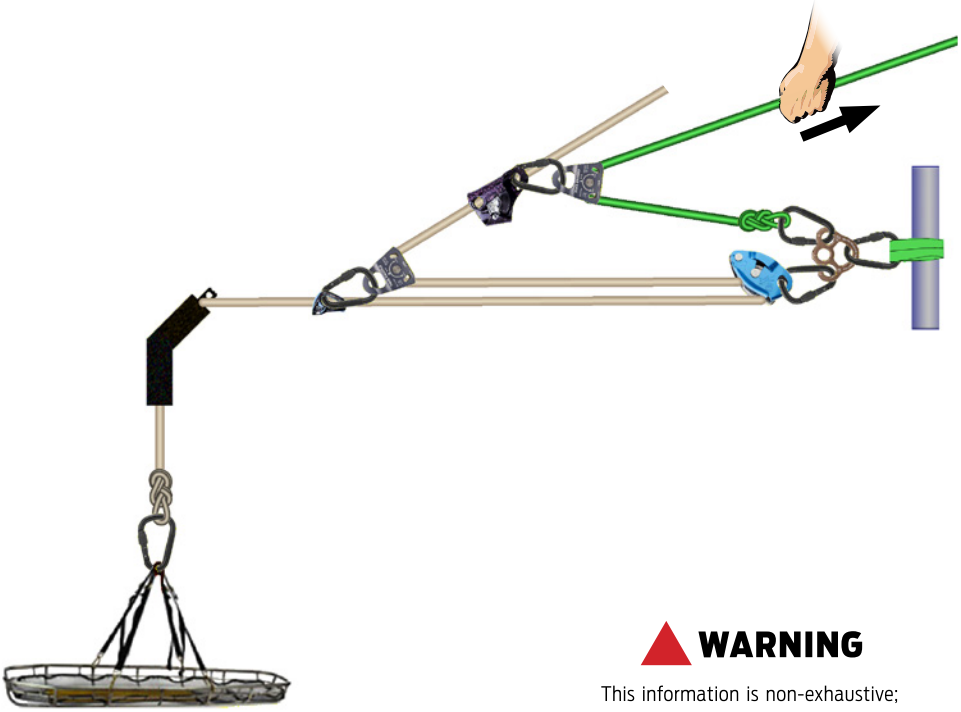
Pull tail end of rope to hoist load.

Notes:

Edge protection is recommended on all rough edges to protect the rope.

In a training scenario a belay line connected to a separate anchor is recommended.

6:1 Hauling System



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Components:

One main rope
6 Locking Carabiners
2 Pulleys
1 GriGri2
1 Tibloc
1 Basic Ascender
1 TriRig Rigging Plate

Set-up:

Set the anchor point above load. Attach locking carabiner to anchor sling. Attach rigging plate to locking carabiner.

Route rope through GriGri2. Attach GriGri2 to locking carabiner and rigging plate. Test pull on rope to make sure it is fed properly.

Thread the rope through the pulley. Attach Tibloc to rope and clip locking carabiner through Tibloc and pulley.

Connect tail end of rope to rigging plate with a locking carabiner.

Route tail end of rope (green rope) through pulley.
Attach Basic ascender to tail end of initial 3:1 and connect to pulley with locking carabiner.

Make sure all carabiners are locked. Keep stopper knot in the end of rope to prevent rope from back feeding through devices.

Pull tail end of rope from 2nd pulley to hoist load.

Notes:

Edge protection is recommended on all rough edges to protect the rope.

In a training scenario a belay line connected to a separate anchor is recommended.

6:1 Haul System (redirected to lower anchor)

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Components:

- One main rope
- 7 Locking Carabiners
- 3 Pulleys
- 1 GriGri2
- 1 Tibloc
- 1 Basic Ascender
- 1 TriRig Rigging Plate

Set-up:

Set the anchor point above load.
Attach locking carabiner to anchor sling.

Route rope through pulley at top anchor to redirect rope downward. Attach to locking carabiner at top anchor.

Set lower anchor point. Attach locking carabiner to anchor sling. Attach rigging plate to carabiner.

Route rope through GriGri2. Attach GriGri2 to locking carabiner and rigging plate. Test pull on rope to make sure it is fed properly.

Thread the rope through the pulley. Attach Tibloc to rope and clip locking carabiner through Tibloc and pulley.

Connect tail end of rope to rigging plate with a locking carabiner.

Route TAIL end of rope (green rope) through pulley.
Attach Basic ascender to tail end of initial 3:1 and connect to pulley with locking carabiner.

Make sure all carabiners are locked. Keep stopper knot in the end of rope to prevent rope from back feeding through devices.

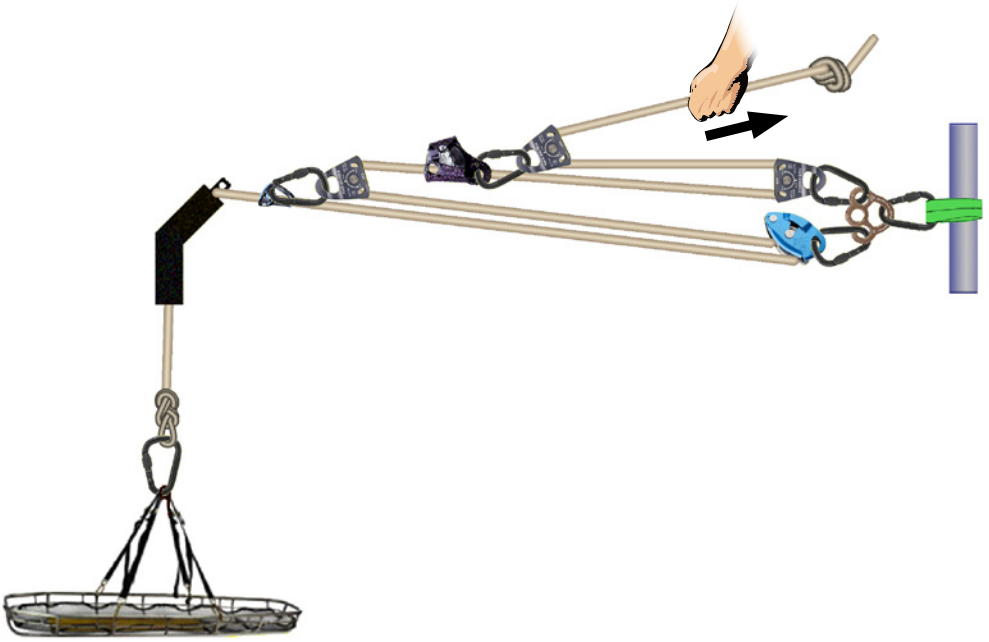
Pull tail end of rope from 2nd pulley to hoist load.

Notes:

Edge protection is recommended on all rough edges to protect the rope.

In a training scenario a belay line connected to a separate anchor is recommended.

9:1 Hauling System



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Components:

One main rope
6 Locking Carabiners
1 GriGri2
3 Pulleys
1 Tibloc
1 Basic Ascender
1 TriRig Rigging Plate

Set-up:

Set the anchor point. Attach locking carabiner to anchor sling.

Route rope through GriGri2. Attach GriGri2 to locking carabiner and rigging plate. Test pull on rope to make sure it is fed properly.

Thread the rope through the pulley. Attach Tibloc to rope and clip locking carabiner through Tibloc and pulley.

Route tail end of rope through pulley. Attach pulley to rigging plate with locking carabiner.

Route tail end of rope through pulley. Attach Basic ascender to tail end of initial 3:1 and connect to pulley with locking carabiner.

Make sure all carabiners are locked. Tie a stopper knot in the tail end of rope to prevent rope from back feeding through devices.

Pull tail end of rope to hoist load.

Notes:

Edge protection is recommended on all rough edges to protect the rope.

In a training scenario a belay line connected to a separate anchor is recommended.

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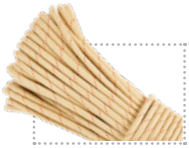
Components available for resupply:

	9.5mm Havoc Assault Rope (150 ft)	Item# 90-1505
	60 cm Anneau Sling	Item# ZZ-0549
	120 cm Anneau Sling	Item# ZZ-0550
	Footape Adjustable Foot Loop	Item# ZZ-0551
	Hasty Harness	Item# 90-0001
	GRIGRI 2 Belay Device	Item# ZZ-0545
	Basic Ascender	Item# ZZ-0554
	TIBLOC Rope Grab/Ascender	Item# ZZ-0547
	Reverso 4 Belay/Rappel Device	Item# ZZ-0546
	Mini-Machined Pulley	Item# ZZ-0548
	TriRig Rigging Plate	Item# ZZ-0553
	RockD Carabiner	Item# ZZ-0543

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