



# *Skedco, Inc.*

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Dear Customer,

Thank you for your purchase of the Skedco Rescue Hauler system. We feel that this system will be a welcome addition to your rescue equipment. The Rescue Hauler is an exceptionally well designed double pulley with an ascender cam built into it.

The body of this device and the pulley sheaves are machined from extruded aircraft aluminum. The only metals used in the Rescue Hauler are aluminum and stainless steel. All aluminum parts are anodized. They will pass a 200-hour salt spray test. The pulley sheaves are 3 inches in diameter. This makes hauling easier because they bend the rope much less and the wider diameter also prevents the rope from rubbing on the frame thus eliminating unnecessary friction and increasing efficiency.

When the cam is engaged you can raise a rescue load by pulling a rope through the system. When you release your grip on the rope the load stays in place because the cam prevents it from moving back down. The Rescue Hauler can be purchased with a matching double pulley. When used as a system it gives you a 4:1 mechanical advantage. This multiplies by 4 the amount of weight you can lift with a rope through a single pulley. Bear in mind, this requires a rope that is 4 times longer than the vertical distance you are hauling from. To measure that distance, measure from the top of the tripod or other suitable anchor to the rescue victim. Add 20 - 30 feet of rope for tying knots, etc.

**It is the user's responsibility to obtain competent training when using this or other rescue equipment.**

Sincerely,  
**SKEDCO, INC.**

## Using the Rescue Hauler Camming Pulley System

### **This system gives you a 4:1 mechanical advantage**

- ◆ Using a large steel locking carabiner attach the top end of the rescue hauler system to a substantial anchor (tripod, beam etc).
- ◆ Pull on the cord that is attached to the cam to release the cam from holding the rope. Do not use the safety latch because that will completely open the cam and allow the rope to come out of the guide channel. Pull the cord around the frame and secure it into the dimpled "retainer catch" on the back of the frame. This allows the rope to move freely through the system in both directions.
- ◆ Pull down on the steel carabiner that is attached to the lower pulley until it is low enough to clip into the load (stretcher, equipment or rescuer). Holding the tail end of the rope lower the load to the bottom of the space in which you will be working.
- ◆ Re-engage the cam to the rope by pulling down firmly on the attached cord and let go.
- ◆ After the patient or litter is attached to the lower pulley with the carabiner the load can be raised by pulling on the tail end of the rope.
- ◆ To make it easier to grip the rope, a handled rope grab can be used. Open the cam on the rope grab and insert the tail end of the rope into the rope channel and re-engage the cam.
- ◆ To make raising the load even easier, attach a Skedco Rescue Stirrup to the handled rope grab using a screw link or small carabiner. For your safety, attach the short end of the stirrup (safety strap) to the front D ring on your harness. Insert your foot into one of the foot stirrups (steps) at the bottom. Push down with your foot. This will raise the load. Release the pressure on your foot and slide the handled rope grab upward on the rope while raising your foot. Press down with your foot again. Repeat this action until the load has been raised to a point that you can remove it from the system.

**Note:** When hauling a rescue load long distances it will be necessary to change feet to prevent over tiring the muscles of one leg. This technique makes it much easier to raise the load and prevents fatiguing your arm muscles which you will need to remove the load from the system. It is much safer for you and the victim if your arms are not tired.

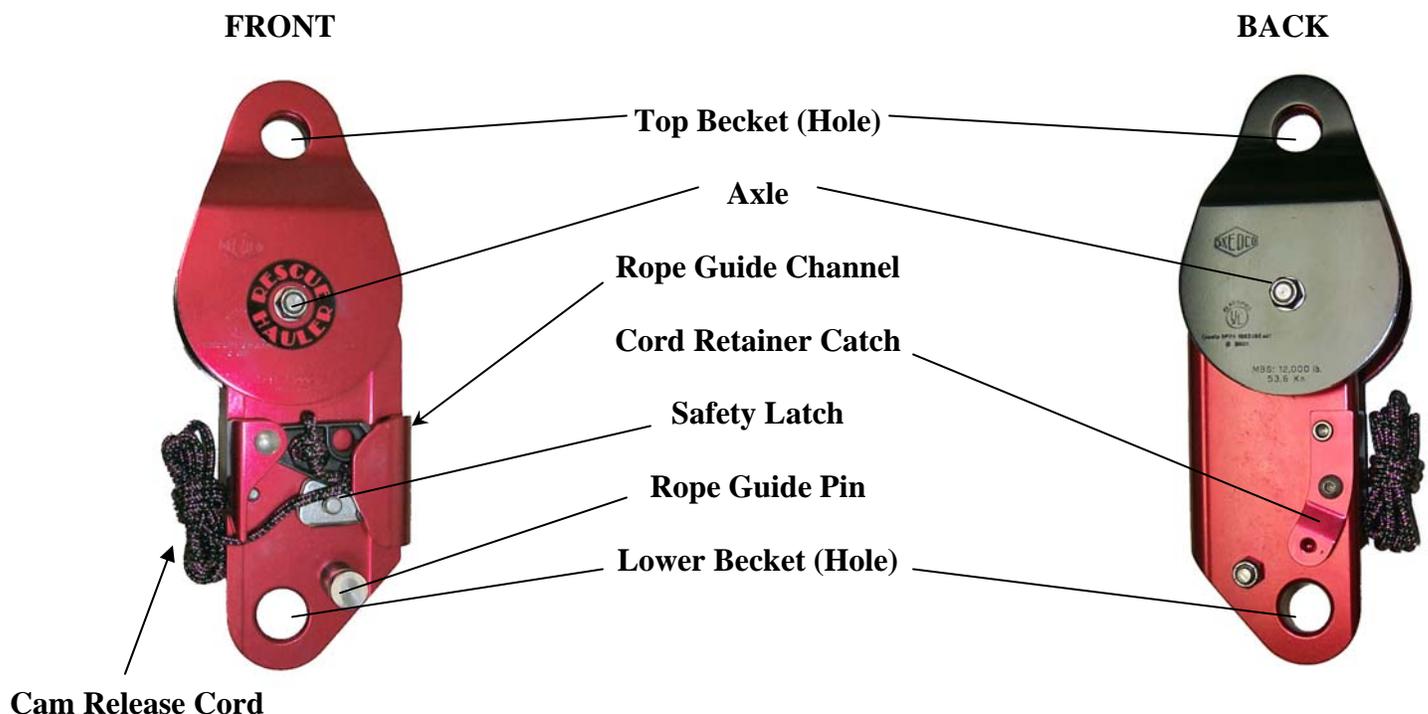
- ◆ The Rescue Hauler can be used on a "piggyback" haul system rather than taking time to do a complicated Z rig. To do this, select a very strong anchor. Attach the upper end of the Rescue Hauler to the anchor using a large steel locking carabiner. Attach a Rescuescender or other suitable rope grab to the lower pulley.
- ◆ Attach the rope grab to the haul line. The haul line should be over an edge roller or suitable rope protective device at the edge of the hole / roof / cliff to prevent abrasion. The haul system will be horizontal. It is necessary to use prusiks or proper rope grabs on the haul line to allow resetting and safe rope management.

- ◆ It is always necessary to have a proper belay line (safety line) attached to a separate strong anchor in case the main anchor or other part of the system fails. (You must have redundant "back up" on any rope rescue system.)
- ◆ To raise the load pull the lower pulley and rope grab toward the load / edge. Allow the cam to grab the rope. Pull on the tail end of the Rescue Hauler rope. This will raise the load. When the pulleys come together, set the prusiks or rope grabs of the haul line. Release the tension on the Rescue Hauler. Open the Rescue Hauler cam. Slide the rope grab and lower pulley back toward the rescue load. Allow the rope grab to grip the haul line. Pull again on the tail end of the Rescue Hauler rope until the pullies come together. Repeat this action until the rescue load is up to a point where it can be managed by hand. Disconnect the load, treat and transport the patient.
- ◆ To create a 5:1 system simply attach the double pulley to the anchor and the Rescue Hauler to the rope grab that is secured to the haul line.

**Note:** When a rescue load is on the haul system do not completely open the cam. Use the cord that is attached to the cam to release it from the rope. This will prevent the rope from coming out of the channel. In case of an emergency, simply let go of the cord and the cam will engage the rope and stop the downward movement of the load.

## Maintenance of the Rescue Hauler 4:1 System

When the Rescue Hauler or pulley becomes muddy wash it with mild soap and water. Flush all soap and other residue with clean water and dry completely. Apply a small amount of oil to the pulley axels. Wipe away all excess oil. For greasy substances clean with kerosene. Wipe away all excess before using again.





# SKEDCO

# RESCUE HAULER



CLASSIFIED BY UNDERWRITERS LABORATORIES INC.  
IN ACCORDANCE WITH THE  
NATIONAL FIRE PROTECTION ASSOCIATION  
STANDARD ON FIRE SERVICE LIFE SAFETY ROPE  
AND SYSTEM COMPONENTS  
NFPA 1983-1995 EDITION

## WARNING

**! USE ONLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.**

**! INSPECT AFTER EACH USE IN ACCORDANCE WITH  
MANUFACTURER'S INSTRUCTIONS.**

**! REPAIR ONLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.**

### ***BEFORE USE***

It is the responsibility of the purchaser and user of this product to:

- Read the product instructions and labels and follow them.
- Inspect the product immediately after purchase and before and after each use.
- Receive training in the proper use of the equipment and in the appropriate techniques. Proper training includes safety procedures, limitations of the equipment, inspection of equipment and risk management.
- Determine if the product is suitable for its intended use and that it meets all applicable standards and regulations.
- Use good judgment and do not exceed the limitations of the user's skill or the equipment.
- Use adequate safety precautions including belays and backup systems. Practice risk management at all times.
- Do not alter the product in any way.

### ***INSPECTION/RETIREMENT***

SKEDCO recommends inspection before and after each use. Retire this product if there are any signs of distortion, cracks, corrosion, sharp edges or wear. Equipment that has been shock loaded or subjected to excessive loads including drops should also be retired. Equipment should be retired and replaced if there is any doubt about the safety or serviceability of the equipment.

### ***MAINTENANCE***

Clean and dry this equipment after each use to remove any dust, debris, and moisture. Dry out of direct sunlight. Store this and all other equipment in a clean, dry place.

SKEDCO recommends that a use log be maintained for this and any other piece of equipment. This log should include date and manner of use, inspection results and inspector's signature.

### ***REPAIR***

SKEDCO recommends that all repair work be done by the manufacturer. All other repair work or modification of the product may void the warranty and releases SKEDCO from all liability and responsibility as the manufacturer.

These instructions should be kept in a permanent record. A copy should be kept with the equipment for reference before and after each use of the equipment. Failure to follow these instructions could result in serious injury or death!

Additional information regarding the use of this equipment can be found in NFPA 1500, Standard on Fire Department Occupational Safety and Health Program and NFPA 1983, Standard on Fire Service Life Safety Rope and System Components.

### ***Rope***

Skedco recommended ½" static rope for the use of the Skedco Rescue Hauler.

## **WARNING**

**! Serious injury or death may result from the improper use of this equipment.**

**! This equipment has been designed and manufactured for use by experienced professionals only.**

**! Do not attempt to use this equipment without proper training!**

**- MEETS NFPA 1983 (95 ED.)**

**- G (GENERAL USE)**

**- MBS 12,000 LBS**

**- LOT # 9901**

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