



Patent No. 6,800,007 B2

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The **Kosmo MOUT Lifeline™** is designed to drag a wounded soldier from the line of fire without exposing another soldier to danger.

It features a 30 ft. cord with a screw link on one end which is attached to a loop on the soldier's vest behind the neck. There is a carabiner on the other end that is clipped to a loop inside the pouch. The pouch has a belt loop that is sewn to the pouch at the top and attached with velcro at the bottom. The outside of the belt loop is covered with "loop" velcro for attachment to "hook" velcro on a vest. There is "hook" velcro on the front of the



pouch in case the vest is equipped with "loop" velcro. The flap at the top uses velcro to secure the closure. The carabiner with the cord attached is clipped into the loop inside the pouch. The cord is stuffed (not coiled) into the pouch. A ball lock is attached to the cord about 16 to 18 inches from the end. It keeps the cord in the bag when the screw link is attached to the vest and the flap is closed. You can adjust the position of the ball to fit your particular vest.

USING KOSMO MOUT LIFELINE™

- Open the flap of the pouch.
- Pull the screw link and about 16-18 inches of cord from the pouch (to the ball) leave the ball inside the pouch. Close the velcro flap to secure the ball inside.
- Attach the screw link to the loop at the back of your vest and close the screw link.
- Attach the pouch to a velcro patch on the front of your vest.

- If you are wounded, pull the pouch from your vest, open the flap and throw it (with the cord inside) to another soldier who can use the cord to drag you to a safe location. To get a better grip on the cord, tie a loop into it. This will form a handle for easier dragging of a heavy soldier.

- AFTER USE -

- Untie the loops.
- Inspect the cord and all other parts for damage.
- If there is no damage, re-stuff the cord into the pouch. Reattach the screw link to the loop on back of your vest. Attach the pouch to the front of your vest so it is ready for the next possible use.
- **Caution:** If the Lifeline gets damaged in any way, replace it. Your life depends on it.

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Other uses for Kosmo Mout Lifeline™

"Last chance rappel device"

If you become trapped inside a building up to 4 stories high, the Lifeline can be used to rappel out through the window. Because of the small diameter of the cord, you should not rappel on it unless there is no other way to escape. The break strength of the cord is 1,150 lb.

- TO USE -

Attach the end of the rope to the strongest anchor available. If you have enough time, place padding over the window sill under the rope. Attach the carabiner (snap link) to your harness. Attach the rope to the carabiner by opening the carabiner gate and wrapping the rope around the spine of the carabiner as you are taught in training. It will require 3 wraps around the carabiner if your weight is under 250 pounds. Use 4 wraps if you are over 250 pounds. Test this prior to your mission, while using a safety line (belay) to prevent accidental falling. **Rappel training is an absolute**



requirement before using the MOUT Lifeline to rappel as this is a dangerous activity. Practice while using a safety line is essential. The fourth floor is 40 feet above ground. The MOUT Lifeline is 30 feet long. During your rappel, when the knot at the end of the running end contacts your hand, stop. Position yourself to land on your feet and let go of the rope. You will drop from the rope to the ground (about 10 - 15 feet).

Because of the small diameter and the 1,150 pounds break strength of the cord, this should be used in this manner only once and only when absolutely necessary. Repeated rappelling on small cords can be fatal. Avoid sharp edges that can damage the cord. Cord can be purchased separately for training so you don't need to use the Lifeline system.

Tag line: Three to eight MOUT Lifelines can be joined together for use as a tag line when hoisting litters by helicopter. Although the Helitag kits are better, this can be done if no other tag line is available. You must use the Skedco Helitag weak links with any kind of tag line.

There is a Helitag weak link inside the internal pocket on the velcro flap. Open the bag and you will see the pocket opening just above the internal webbing and inside the closure flap.

The MOUT Lifeline can be used as a **TIED** full body or seat harness for rappelling by connecting the ends together, doubling it and forming a harness.

Clearing landmines: The MOUT Lifeline can be used to clear landmines by attaching a heavy object to one end, throw it into the minefield and drag it back over landmines to detonate them.

Body drag line for booby trap check: often retreating enemies will set up grenades and explosives to go off onto their abandoned comrades to try to harm U.S. Soldiers during search procedures. Attach a grappling hook to the MOUT Lifeline cord and snag the dead body and drag it to pre-detonate any booby-traps before conducting close range searches.

For more information or technical assistance please contact Skedco®.



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