



## Instructions for Sky Genie Descent Devices (DS-S, DS-M, DS-L)



**AVOID DESCENDING INTO ELECTRICAL, THERMAL, CHEMICAL SOURCES, OR OTHER HAZARDS.** *Only use Sky Genie Descent Line with Sky Genie Descent Device.*

**YOU COULD BE KILLED OR SERIOUSLY INJURED IF YOU DO NOT READ AND UNDERSTAND THE PRODUCT LABEL AND ALL MANUFACTURER'S INSTRUCTIONS BEFORE USE. USER AND EMPLOYER ASSUME ALL LIABILITY WHEN DEVICE IS NOT USED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. SPECIAL TRAINING AND KNOWLEDGE ARE REQUIRED TO USE THIS DEVICE. DO NOT USE WITHOUT DETENT PIN AND LOCKING SCREW FULLY ENGAGED IN COVER.**

Anchorage Requirements: Anchorages selected for rescue systems shall have a strength capable of sustaining static loads of at least 5000 pounds for connection of rescue system only, or meet a Factor of Safety of 5:1 based on the static load placed on the system when the system is designed, installed and used under the supervision of a qualified person.

Anchorage connections shall be stabilized to prevent unwanted movement or disengagement of the rescue system from the anchorage. Verify system connections by pre-tensioning the system before applying the intended load.

**PRE-SETTING THE SKY GENIE® FOR DESIRED SPEED OF DESCENT:** The SKY GENIE® operates on the principle of friction created by turning the nylon line around the shaft. The speed of descent depends on the number of turns around the shaft and the distance to ground level. The number of turns used is determined by the weight of the person or object to be lowered and the distance rate of descent. In pre-setting the unit, note that speed can be decreased by apply downward tension on the line. While descending, speed will increase. Control of free end of line is **IMPERATIVE** for safety. Unit is locked by taking the free end of the line and looping upward between the upper eye of the Sky Genie Descent Device and the taught upper line. Control is resumed by removing loop.



Fig. A

**WHERE DESCENT WILL BE CONTROLLED:** Rapid descent- three (3) turns for first 150-200 pounds. (See figure A) One additional turn for each additional 50 pounds. Medium descent- four turns for the first 150-200 pounds. One additional turn for each additional 50 pounds. When using unit under wet or very humid conditions, compensate for the added friction by removing half a turn. Basically, more turns for slower descent or more weight. Less turns for faster descent or less weight. **SAFETY IS DEPENDENT ON MANUAL CONTROL.** After pre-setting the SKY GENIE® for desired rate of descent, make certain the bullet catch secures cover and **BE SURE TO SECURE THE THUMB NUT.** After short end of line has been firmly secured to an anchor point capable of supporting a minimum dead weight of 5000 pounds, and person lowering has secured his safety belt, sling, harness or seatboard chair to lower eye of the SKY GENIE then follow these procedures:

- (1)** Before stepping off structure from which descent will be made and before applying load to unit, lock in place by taking free end of line and looping upward between upper eye of SKY GENIE® and secured at the short end of the line.
- (2)** After stepping off structure and making self as comfortable as possible, **HOLD TENSION** on line when removing loop, thereby unlocking unit. Apply **DOWNWARD TENSION** to line below the SKY GENIE® and start descent by gradually easing tension.
- (3)** Let line feed through your hand during descent, applying and easing downward tension for control.
- (4)** Although it is possible to play out line from carrying case during descent, you may prefer to drop unsecured end of line to the ground. Always make certain line is free of hitches and knots, and that line clears all obstructions when dropped.
- (5)** When unsecured end of line is on the ground, it is possible to transfer control of descent at any time to person below. **(6)** If descent does not start when full weight is on the SKY GENIE®, lift the line below the SKY GENIE® to start descent. Weight of line may cause braking action with light person or with descent from greater heights.

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## Example Label found on Descent Device:



Thoroughly inspect the Sky Genie Descent Device before each use. Sky Genie does NOT impose a life expectancy on our Descent Device; however, they should be removed from service immediately if hairline fractures, cracks, or grooving in excess of 2 millimeters is visible on shaft or if cover does not fit properly.

*It is imperative that all manufacturer instructions be provided to the end user. The user must read and fully understand all instructions before attempting to use the Sky Genie Descent Device.*

*Only the manufacturer or entities authorized by the manufacturer shall make repairs to the Sky Genie Descent Device - repairs are rarely preferable to a replacement unit and shall be contingent on manufacturer inspection.*

*If Sky Genie Descent Device has been subjected to the forces of a fall arrest, it should be removed from field service for inspection or replacement.*

*ANSI Z359 requires the operator of the descent device (in a rescue situation) to have a rescue plan and the means at hand to implement it when using this equipment.*

For further instructions on the use of Sky Genie Descenders please visit our website at [www.skygenie.us](http://www.skygenie.us)



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