



# Heavy-Duty Snake Grips



Failure to use Lewis Snake Grips as detailed in the supplied user instructions, may result in serious injury or even death.

The snake grips, **LSG** & **LSG-X** are used to Install new cable by using old existing cable as pulling line. They save time stringing up, changing and unstringing because the snake requires no special tools.

## LSG Snake Grips



The Lewis Snake Grip expands or contracts to grip different or identical cable and/or rope sizes as needed.



Save time stringing up, changing and unstringing because the snake requires no special tools. The swivel and swing link go smoothly through blocks and prevent line twisting. Install new cable by using old existing cable as pulling line. Always seize the ends of the grips by banding and taping.

Regular LSG Snakes	Range	WL lbs.	UTS lbs.
LSG ¼-½"	¼"-½"	1,200	2,400
LSG ½-1"	½"-1"	2,500	5,000
LSG 1-1½"	1"-1½"	3,500	7,000
LSG 1½-2"	1½"-2"	4,000	8,000
LSG 2-2¾"	2"-2¾"	5,000	10,000
LSG 2¾-3½"	2¾"-3½"	5,000	10,000
LSG 3½-4¼"	3½"-4¼"	5,000	10,000

*Special LSG Snakes	Range	WL lbs.	UTS lbs.
LSG ¼-1½"	¼"-1½"	1,200	2,400
LSG ½-1½"	½"-1½"	2,500	5,000
LSG ½-2"	½"-2"	2,500	5,000
LSG 1-2"	1"-2"	3,500	7,000
LSG 1½-2½"	1½"-2½"	4,000	8,000

\*The grips on the Special Size models are not the same on each side.

## LSG-X Snake Grips



The LSG-X series performs the same function as the standard LSG series. However, the LSG-X cannot be taken apart in the middle, it is permanently attached via the "Swivel Tube" assembly. The swivel tube gives the snake grip a **lower profile** for pulling in tight spaces.

Swivel Tube



This swivel tube assembly has a very low profile heavy-duty friction swivel. This snake is for applications where the two pulling grip elements do not need to be separated. The swivel is permanently greased and has the size range and working load clearly stenciled on the swivel tube assembly.

Regular LSGX Snakes	Range	WL lbs.	UTS lbs.
LSGX ¼-½"	¼"-½"	1,200	2,400
LSGX ½-1"	½"-1"	2,500	5,000
LSGX 1-1½"	1"-1½"	3,500	7,000
LSGX 1½-2"	1½"-2"	4,000	8,000
LSGX 2-2¾"	2"-2¾"	5,000	10,000
LSGX 2¾-3½"	2¾"-3½"	5,000	10,000
LSGX 3½-4¼"	3½"-4¼"	5,000	10,000

*Special LSGX Snakes	Range	WL lbs.	UTS lbs.
LSGX ¼-1½"	¼"-1½"	1,200	2,400
LSGX ½-1½"	½"-1½"	2,500	5,000
LSGX ½-2"	½"-2"	2,500	5,000
LSGX 1-2"	1"-2"	3,500	7,000
LSGX 1½-2½"	1½"-2½"	4,000	8,000

\*The grips on the Special Size models are not the same on each side.



**READ BOTH PAGES OF THIS DOCUMENT BEFORE USING LSG SNAKE GRIPS**

SNAKE GRIPS BANDING INSTRUCTIONS ARE LOCATED ON PAGE 2 OF THIS DOCUMENT

- Safety is always No. 1. Make sure no one is under the line as it is being pulled through the blocks and crown.  
**DO NOT** stand below or near the drilling line under tension, severe injury or death could occur. **KEEP BACK**
- Both ends of the snake grip must be properly **BANDED AND TAPED** according to banding instructions located on page 2 of this document.
- Failure to follow the safety and use instructions properly could lead to injury or even death.
- For any questions or comments regarding safe usage of your LSG Snake, please **Call Toll-Free 1-888-398-4719**





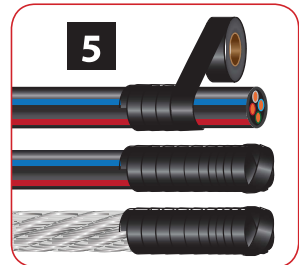
# SNAKE GRIPS BANDING INSTRUCTIONS



Failure to use Lewis Snake Grips as detailed in the supplied user instructions, may result in serious injury or even death.

**READ & FOLLOW THIS BANDING INSTRUCTIONS BEFORE USING ANY LEWIS LSG GRIPS!**

- 1 Safety is always No. 1. **KEEP BACK**, make sure no one is under the line being pulled through the blocks & crown. **DO NOT** stand below or near the drilling line under tension, severe injury or death could occur.
- 2 Be sure that the right size range grips are being used for the line or rope being pulled. For Example, for 1 3/8" cable, use a 1-1 1/2" range grip.
- 3 Inspect the grip for cable abrasion or broken cables. A grip showing any signs of cable fraying, broken cables or distorted hardware should be immediately removed from service & discarded.
- 4 Make sure the cable is clean and free of grease and oil in the area that will be loaded into the grip. A high grade degreaser and heavy duty disposable towels are recommended.
- 5 Tape the end of the cable or wire rope before inserting into the grip so that the sharp ends of the grip or wire rope do not damage the grips interior mesh.
- 6 When loading the cable into the grip, be certain the cable is inserted all the way into the grip until the grip is fully loaded into the area below the pulling eye of the grip.
- 7 Do Not Band or Tape the head (eye side) of the grips. This increase the diameter of the head unnecessarily and could create restriction points.



- 8 Once the snake is loaded properly, **BAND AND TAPE** the tail end of the grips using a **BAND-IT®** brand banding tool & electric tape. **NOTE:** Use a BAND-IT® tool and bands and tape over the bands. Taping alone is not reliable and can be a safety hazard especially in overhead high tension pulling applications.

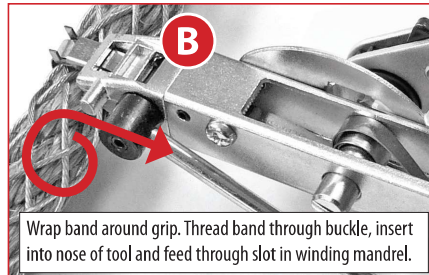
**A TOOLS**

Select Band Width for OD of Loaded Grip

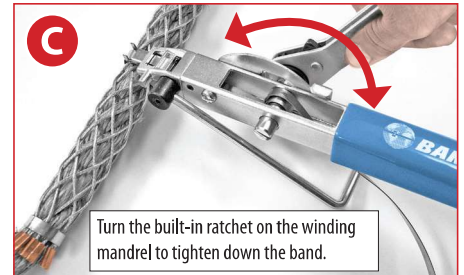
- 1/4" wide for Overall Dia. of 7/8" or less  
Use BAND-IT Tool J02069 (photo)
- 1/2" or 5/8" Wide for OD of 1" or more  
Use BAND-IT Tool C00169

Use proper Banding Tool for the band width size selected.

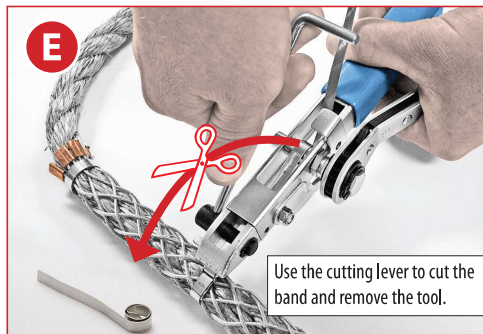
Model J02069 banding steps shown here.



Wrap band around grip. Thread band through buckle, insert into nose of tool and feed through slot in winding mandrel.



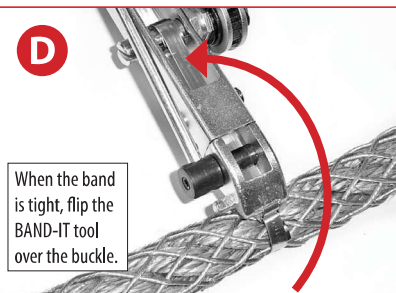
Turn the built-in ratchet on the winding mandrel to tighten down the band.



Use the cutting lever to cut the band and remove the tool.



Use a hammer to flatten down the remaining tail and secure by tapping down the ears.



When the band is tight, flip the BAND-IT tool over the buckle.



On each grip double band the grip's end 6 inches apart.

Finally use Electric Tape to tape over the bands on each grip to create a smoother, snag-resistant surface. **DO NOT USE DUCT TAPE!**



- 9 After each use remove the snake grip, clean & store it in a dry and protected location so that the grip is not exposed to harsh environments such as offshore drilling platforms or other salty, corrosive environments.



## ADVANCED ENERTECH

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