

ROCKY'S EAZY ROLLERS® INSTRUCTIONS - #4A PERMANENT

This box contains the following items:

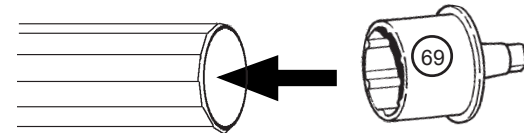
ITEM #	QTY.	DESCRIPTION	RE-ORDER #
1	12	Self-tapping Screw	501
5	2	5/16"x1" Bolt	505
7	4	3/8"x1" Bolt	507
15	4	Concrete Anchor	515
19	2	5/16" Washer	505
21	4	3/8" Washer	21
57	2	#4 A-Frame	531
61	1	White Knob	533
69	2	3" Hub	543
71	1	Small Handle	545
101	10	Male Grommet	549
103	10	Female Grommet	549
105	2	Plastic Bushing	555
107	2	Plastic Washer	555
201	1	22' Strapping	587

Tools Required:

Reversible Drill
1/2" Concrete (masonry) Drill Bit
Hammer & Center Punch (or nail)
5/16" Hex Head Socket Bit
1/2" Wrench
9/16" Wrench

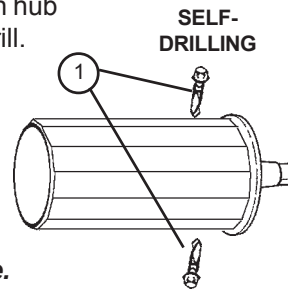
1 Assemble adjustable tubes according to "adjustable tube instructions" included in tubing box.

Insert a 3" hub (item # 69) into one end of the adjustable tubing.



SMALLER DIAMETER TUBE

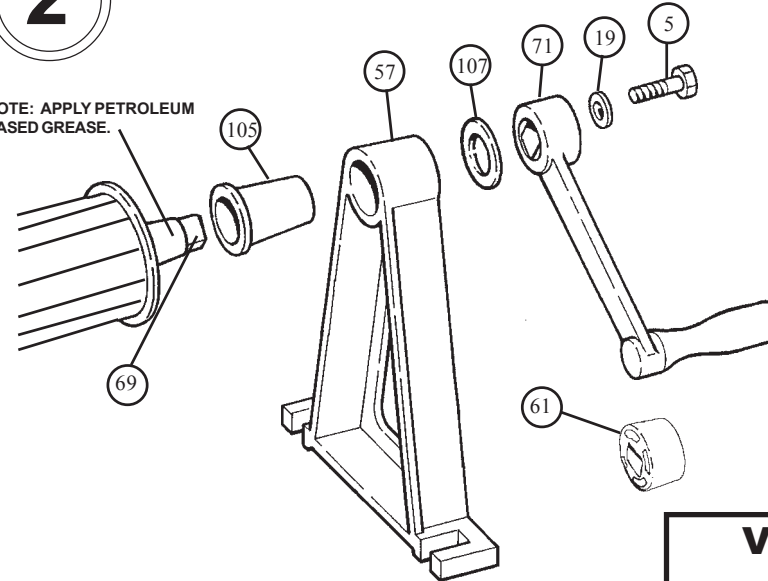
With 2 self-drill/tapping screws (item #1), attach hub to tube using electric drill. Apply pressure to ensure screw cuts into aluminum tube then cuts it's own thread. (No predrilling required)



Repeat with other side.

2

NOTE: APPLY PETROLEUM BASED GREASE.



Bolt the castors (item #209) to the A-frames (item #55), as shown in the diagram.

Assemble one end unit to the tube, using the small handle (item #71), as shown in the diagram.

Assemble the other end unit to the tube, using the white knob (item #61).

For smoother operation, apply petroleum based grease between the hub (item #65) and the black bushing (item #105). This should be done once a year.

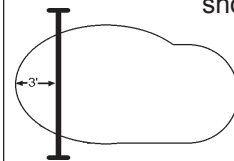
Position the assembled roller unit at the widest end of the pool.

**VERY IMPORTANT
PREVENT DROWNING
Attach Warning Label to one end of tube.**

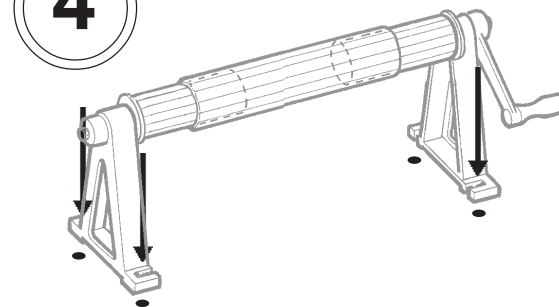
3

For regular shaped pools, align the outside edge of the tube parallel with the end of the pool.

For irregular shaped pools, the outside edge of the tube should be 3' inside from the end of the pool.



4

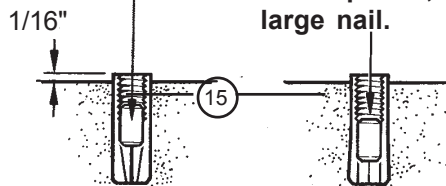


Using the two holes of the #4 A-frame (item #57) as guides, make two marks on deck for each #4 A-frame. With a 1/2" concrete drill bit, drill a 1 1/2" deep hole at each mark.

5

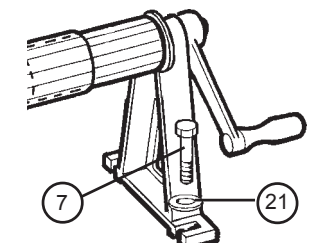
Drive the concrete anchor into the hole with a hammer. Leave the anchor raised 1/16". To set the concrete anchor tap it into the the hole with a hammer. Then using a center punch or large nail drive the slug down into the anchor forcing legs out into concrete.

Hit center slug with hammer & center punch, or large nail.

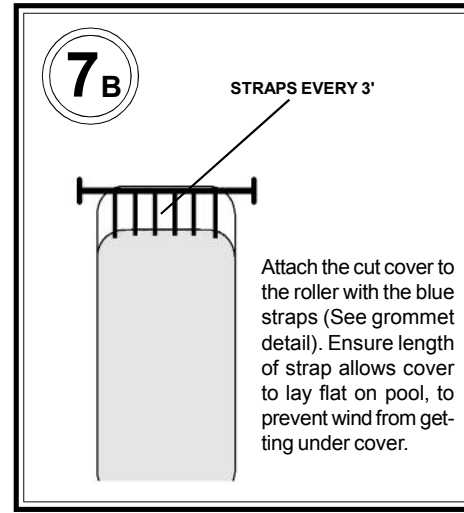
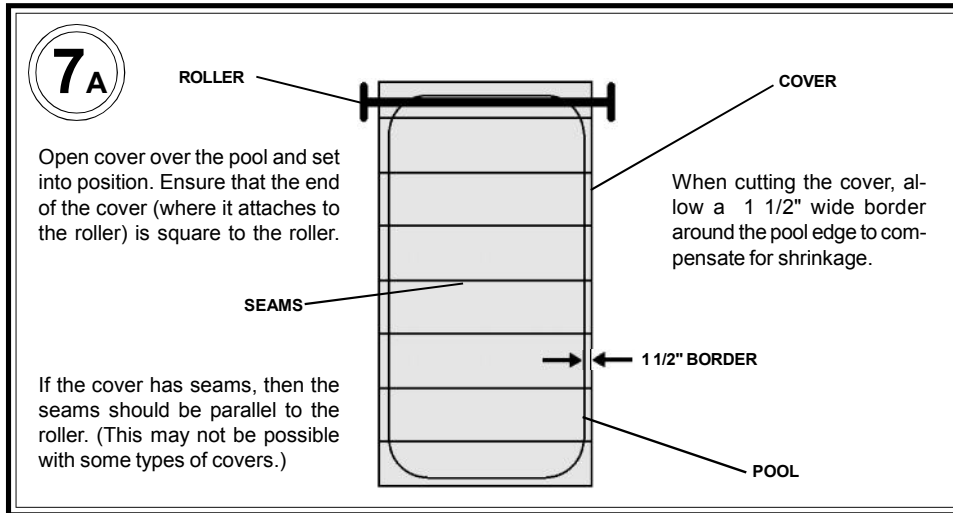


6

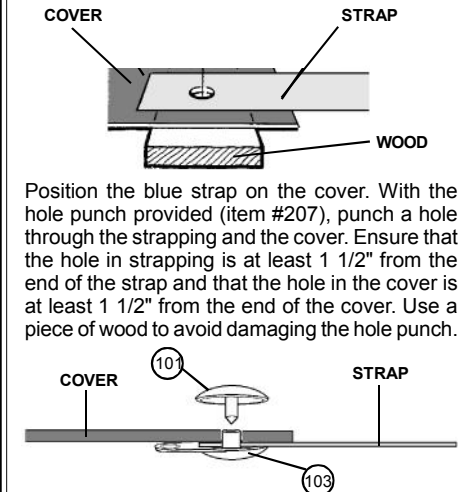
Insert the 3/8" bolts (item #7) through the 3/8" washers (item #21), through the #4 A-frames (item #57) and into the concrete anchors (item #15). Tighten the 3/8" bolts.



FOR REGULAR SHAPED INGROUND POOLS

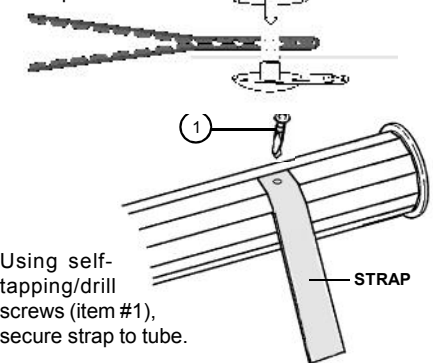


GROMMET DETAIL

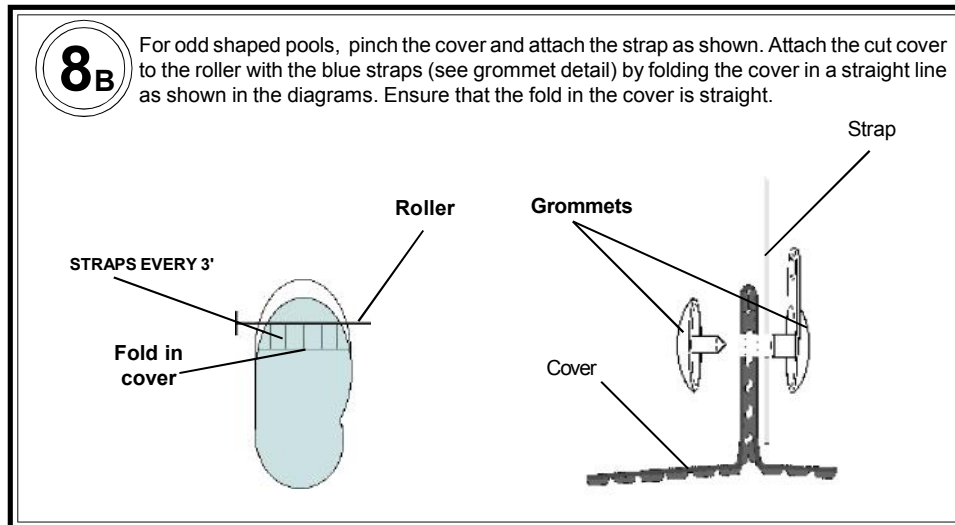
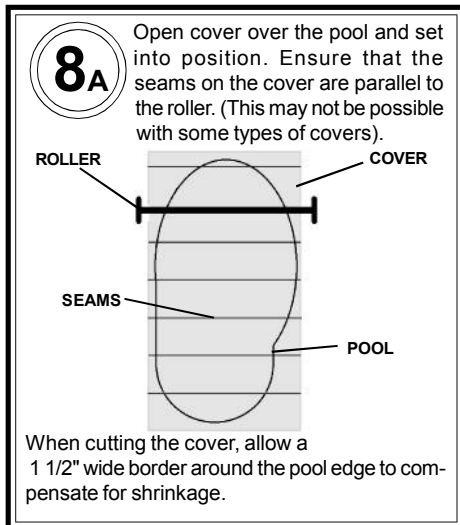


Insert female grommet (item #103) through hole in strapping and cover. Ensure that material is completely pushed down shaft. Insert male grommet (item #101) into female grommet. Once in place, hit gently with hammer until secure. (Caution - excess force will break grommet).

For odd shaped pools, pinch the cover and attach the strap as shown.



FOR IRREGULAR, KIDNEY, OR ROUND SHAPED INGROUND POOLS



ROCKY'S REEL SYSTEMS INC.

Tel: (604) 985-0525

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Web Site: www.rockys.ca

E-Mail: info@rockys.ca

ROCKY'S AT-2 ADJUSTABLE TUBE INSTRUCTIONS (17' 10" - 24' 6")

This package contains the following:

ITEM	QTY.	DESCRIPTION	Re-Order #
23	8	Nylon Lock Nut (1/4")	23
27	8	Carriage Bolt (3 1/2")	27
361	2	Small Diameter Tube	361
363	1	Large Diameter Tube	363

Tools Required:

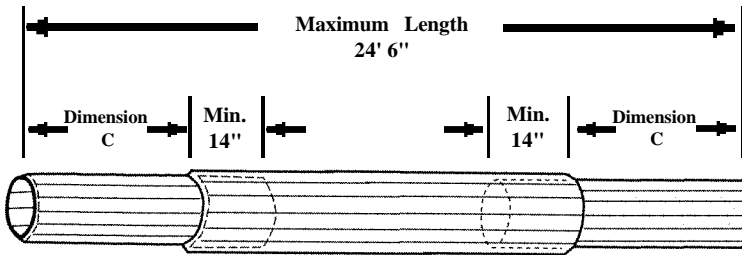
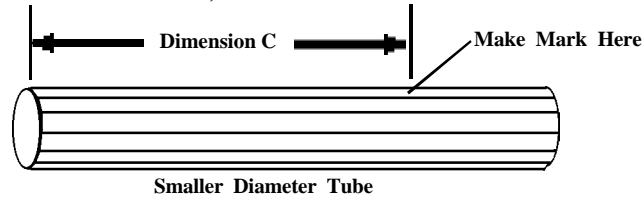
Drill
1/4" Drill Bit
3/8" Drill Bit
Hammer
7/16" Wrench

ADJUSTABLE TUBE TABLE GUIDE

Column A Pool Width (approx.)	Column B Total Tube Length (approx.)	Column C Dimension C (approx.)
16' 10"	17' 10"	53.4"
17'	18'	54.5"
17' 6"	18' 6"	57.5"
18'	19'	60.5"
18' 6"	19' 6"	63.5"
19'	20'	66.5"
19' 6"	20' 6"	69.5"
20'	21'	72.5"
20' 6"	21' 6"	75.5"
21'	22'	78.5"
21' 6"	22' 6"	81.5"
22'	23'	84.5"
22' 6"	23' 6"	87.5"
23'	24'	90.5"
23' 6"	24' 6"	93.5"

1

For mounting on pool deck, measure the width of your pool from one inside edge to the other inside edge. On the "ADJUSTABLE TUBE TABLE GUIDE", locate your pool width in column A. Note the corresponding value of **Dimension C** in column C. Now, measure and mark **Dimension C** on both smaller diameter tubes as shown.



Insert smaller diameter tubes, into large diameter tube, up to the **Dimension C** mark, as shown. The total length of the tubes should be approximately equal to the corresponding value in column B.

See example on reverse.

2

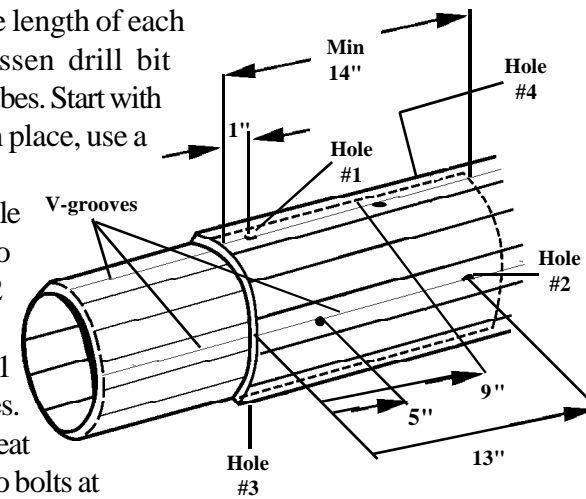
Note the 4 V-grooves running the length of each tube. They are designed to lessen drill bit movement while drilling holes in tubes. Start with one end of the tube first. Holding the tubes in place, use a 1/4" drill bit to drill hole #1 in the V-groove.

To prevent tubes from moving while drilling hole #2, loosely insert a carriage bolt (item #27) into hole #1. Rotate tube 90 degrees. Drill hole #2 in V-groove, as per drawing.

Remove carriage bolt (item #27) from hole #1 and insert it into hole #2. Rotate tube 90 degrees.

Drill hole #3 in V-groove, as per drawing. Repeat these steps and drill hole for the remaining two bolts at 5" and 9" from edge of outer tube.

Remove carriage bolt (item #27) from hole #2 and insert it into hole #3. Rotate tube 90 degrees. Drill hole #4 in V-groove, as per drawing.



3

Carriage bolt (item #27)

Square section

Hole #1

Counter bore 3/8" hole

Hole #4

Hole #2

Hole #3

The square section, below the head of the carriage bolt (item #27), is designed to prevent the bolt from spinning when the bolt is tightened. Therefore, holes #1 and #2 must be slightly larger. Using a 3/8" drill bit, counter bore holes #1 and #2, as shown.

4

Insert carriage bolt (item #27) through hole #1 and #2 as shown. Lightly tap the carriage bolt into place with a hammer. Install lock nut (item #23) (finger tight). (If bolts appear too short check step #3).

Tighten the lock nut (item #23) with wrench, being careful not to overtighten and strip the threads. Repeat procedure for other end of tube.

27

23

EXAMPLE: Pool width = 22' 6"

AT-2

Total Length 23' 6"

Dimension 87.5"

Dimension 87.5"

Pool Width 22' 6"

GROMMET DETAIL

COVER

STRAP

WOOD

207

Position the blue strap on the cover. With the hole punch provided (item #207), punch a hole through the strapping and the cover. Ensure that the hole in strapping is at least 1 1/2" from the end of the strap and that the hole in the cover is at least 1 1/2" from the end of the cover. Use a piece of wood to avoid damaging the hole punch.

COVER

STRAP

101

103

Insert female grommet (item #103) through hole in strapping and cover. Ensure that material is completely pushed down shaft. Insert male grommet (item #101) into female grommet. Once in place, hit gently with hammer until secure. (Caution - excess force will break grommet).

Using self-tapping/drill screws (item #1), secure strap to tube. Note: Do not overtighten self tapping screws.

1

STRAP

ROCKY'S AT-2 ADJUSTABLE TUBE INSTRUCTIONS



This package contains

ITEM	QTY	DESCRIPTION	Re-Order
37	8	Lock Nut (1/4")	521
27	8	1/4" X 3 3/4" Bolt	521
361	2	Small Diameter Tube	361
363	1	Large Diameter Tube	363

Tools Required
Drill
1/4" Drill Bit
Hammer
7/16" Wrench
Measuring Tape

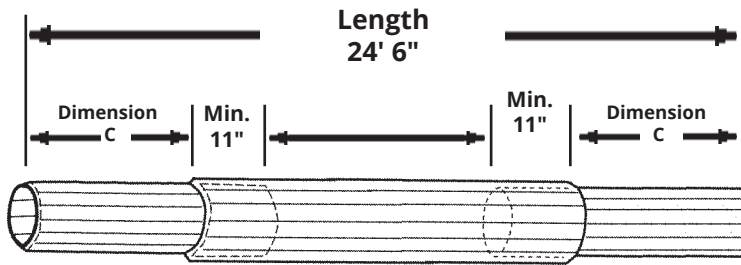
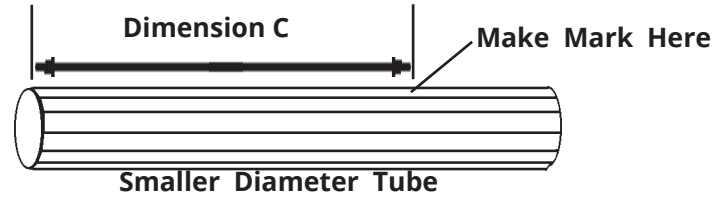
NOTE: For further instructions visit www.rockys.ca for current instructions and step by step instructional videos.

IMPORTANT: YOU MUST BOLT THE TUBES TOGETHER AS PER INSTRUCTIONS, FAILURE TO DO SO MAY CAUSE SAGGING AND COMPROMISE THE INTEGRITY OF THE DESIGN.

ADJUSTABLE TUBE TABLE GUIDE

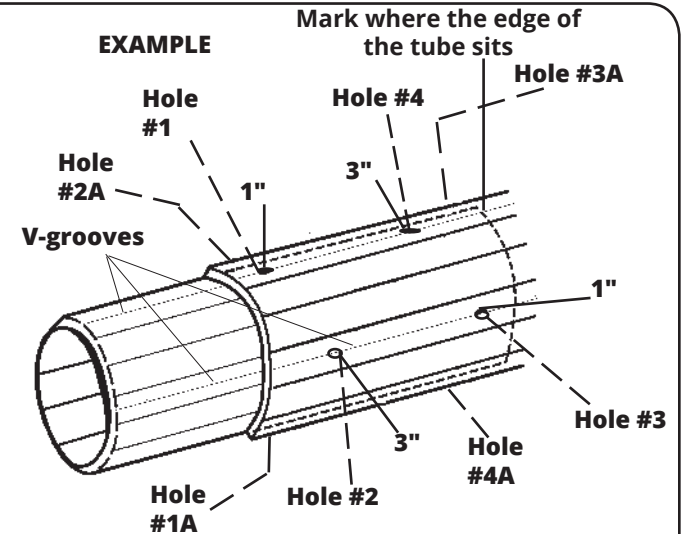
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Insert smaller diameter tubes into the large diameter tube, up to the Dimension C mark, as shown. The total length of the tubes should be approximately equal to the corresponding value in Column B. See example on reverse.

2 Note the 4 grooves running the length of each tube. They are designed to lessen drill bit movement while drilling. Rocky's recommends putting tape where the tubes overlap to prevent movement while drilling. The first bolt will go an inch from the edge of the wider tube. Mark Hole #1 and then rotate the tube 180 degrees and mark Hole #1A. Drill both holes and put a bolt through and put the lock nut on finger tight. Rotate the tube 90 degrees and measure 3 inches and mark Hole #2, rotate the tube 180 degrees and mark Hole #2A. Bolt #2 will run perpendicular to Bolt #1. Drill these holes and put the bolt through and secure with a lock nut. Next measure 107 inches and mark where the edge of the smaller tube is sitting in the wider tube. Now measure an inch back from where the edge of the inner tube sits and mark Hole #3. Rotate the tube 180 degrees and mark Hole #3A. This Bolt will run through the same direction as Bolt #2. Rotate the tube 90 degrees and measure 3 inches and mark Hole #4, rotate 180 degrees and mark Hole #4A. This bolt will go through the same direction as Bolt #1. Drill out both holes and put the bolt through, then put the lock nut on. Now you can tighten all four bolts. Do not use an impact driver, hand tighten only. If you over tighten the bolts the tube will bend causing the bolt to stick out and puncture your solar cover.

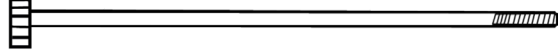


ROCKY'S AT-2 ADJUSTABLE TUBE INSTRUCTIONS



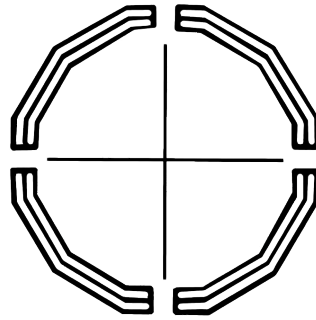
3

3-3/4" Hex Bolt



VERY IMPORTANT: You must use the supplied bolts to prevent sagging.

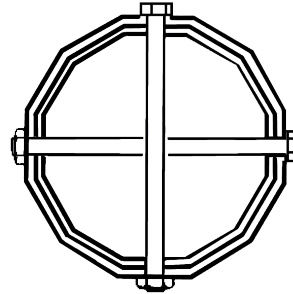
Drill four holes in the tubing as per the instructions on page one.



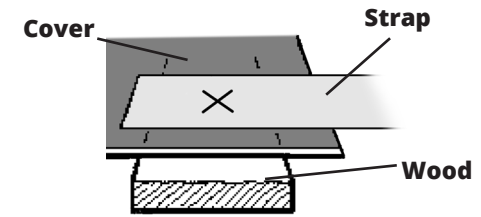
4

Insert the 3-3/4" Bolt through hole #1 and #2 as shown. Lightly tap the bolt into place with a hammer. Install the Lock Nut finger tight. Repeat these steps for the other two bolts on the same end for a total of four bolts. If the bolts appear to be too short you have tightened one side too much. Only tighten the bolts finger tight until all four bolts are in place. When all four bolts are in place, tighten the Lock Nuts with a wrench being careful not to over tighten and strip the threads. Repeat this procedure for the other end of the tube. There should be 8 bolts in all.

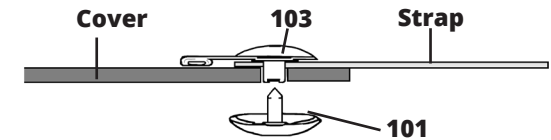
NOTE: Use all 8 bolts as directed to ensure a stiffer tube. Failure to do so may cause excessive sagging.



GROMMET DETAIL

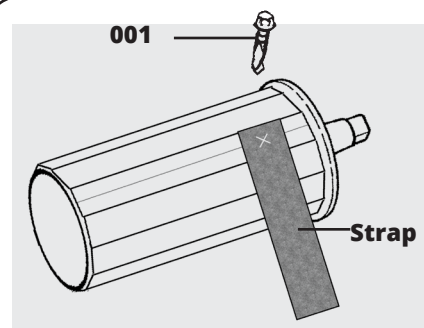
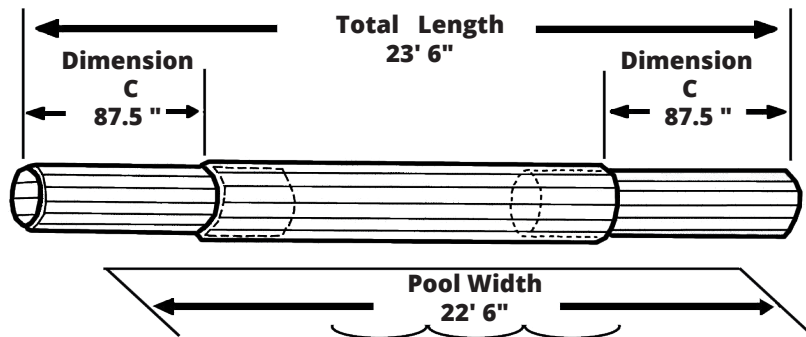


Position the blue strap on the cover. Cross cut through the strapping and the cover. Ensure that the hole in the strapping is at least 1" from the end of the strap and that the hole in the cover is at least 2" from the end of the cover. If possible fold the edge of the cover over so that you put the grommet through two layers of cover for extra reinforcement. This will ensure that the Grommet fits securely onto both the cover and the strap, and will help to prevent tearing.



Insert the Female Grommet through your cut in the strapping and the cover. Ensure that the material is completely pushed down on the shaft. Insert the Male Grommet into Female Grommet. Once in place, hit with a hammer until secure. **(Caution - excessive force will break the grommets).**

EXAMPLE: Pool width = 22'6"



Using Tek Screws, secure the strap to the tube. Make sure you put the screw about an inch into the strap to prevent tearing.