

# ZIPLINE FUN



**FROM THE LEADER IN EXTREME FUN!**

**ZL35 - 35'**

INCLUDES ALL PARTS & HARDWARE FOR EASY ASSEMBLY

[ziplinefun.com](http://ziplinefun.com)

Ages **5+** weighing up to **125lbs**  
Made in the **USA** for over **40** years.



The **Only** Residential Zipline to meet **ASTM** Home Playground Equipment Safety Standards.

## Installation Instructions



Model: ZL35

## ZL35 Zip Line INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS

Thank you for purchasing our exciting new ZL35 Zip Line. The warnings and instructions that follow are important to the enjoyment and safe play of all users. Please review these with them and save for future reference.

### **WARNING**

All of the following precautions should be exercised by adults and included in the ON SITE supervision of children using the ZL35

### **LIABILITY RELEASE**

#### **ROCK CLIMBING, ROPES COURSE, ZIP LINES ARE DANGEROUS**

Allowing your children, friends, or anyone else's children to ride on a zip that has not been installed properly, maintained as instructed and inspected for safety is tantamount to endangerment and negligence. Please use common sense and remember that you are responsible for your decisions as well as the outcome. Zip Line Fun and its associates are not responsible for anything that may go wrong with your zip line installation, trees, gear, trolleys, or related components. We are not responsible for any injuries or deaths that occur during the construction or operation of your zip line or any other products. No warranty related to zip lines is expressed or implied by installation tips, construction guides, or by any representative of Zip Line Fun, including warranties of merchantability or fitness. Ensure you educate yourself on the proper installation, maintenance and use of everything related to your zip line or other products. Seek competent local assistance if you are unsure how to work with trees, cable installation or maintenance. All information related to zip lines received from any representative or printed material distributed by Zip Line Fun is only an opinion and shall not be interpreted as expert or professional advice. The customer accepts full responsibility for any and all incidents, accidents, injuries, deaths, and property damage that may occur during the building and operating of your zip line or other products. Serious injury and death may occur as a result of improper use of this equipment. **DO NOT** attempt to use this equipment without proper training! Inspect all equipment before each use and destroy any gear that is damaged, worn, or does not pass inspection. Any person using these products is responsible for the proper care and maintenance of these products. **WHEN IN DOUBT, REPLACE IT!** Any person using these products in any manner assumes all risk and responsibility for any damage or injury, including death, dismemberment or worse. Any litigation involving these products will be defended and challenged according to the above release of liability.

ZL35 Zip Line has been designed for fun. It has been thoroughly tested to insure its safety and where applicable conforms to ASTM F1148 Standard Consumer Safety Performance Specification for Home Playground Equipment, and European Toy Safety Standard EN-71. However, as with all playground equipment and accessories, all users of ZL35 will need proper instruction and supervision. ZL35 is intended to be used as a cable ride between two points.

**Please Note: Observing the following statements and warnings reduces the likelihood of serious or fatal injury.**

#### **ALL USERS SHOULD BE INSTRUCTED:**

1. TO use ZL35 ONLY after it is properly installed by an adult.
2. TO get off ZL35 ONLY after it has completely stopped and to drop gently to the ground.
3. THAT ZL35 is designed to be used by one rider at a time, ages 5 to 105, weighing up to 125 pounds.  
(Although the equipment has been designed and tested to support up to 125 pounds, the user should be able to support his or her own body weight).
4. TO use ZL35 ONLY as it is intended.
5. NOT TO walk close to, in front of, behind, or between a moving ZL35 or any other moving object.
6. NOT TO use ZL35 without adult supervision.
7. TO always begin the ride from a stable platform.
8. TO grip the handles firmly with both hands directly overhead before beginning the ride.
9. NOT TO attach items to the equipment that are not specifically designed for use with the equipment, such as, but not limited to, jump ropes, clothesline, pet leashes, cables, chain and rope as they may cause a strangulation hazard.
10. TO dress appropriately with full foot enclosing footwear (Examples of inappropriate footwear are clogs, flip flops and sandals) and not to wear ponchos, scarves or other loose fitting clothing, such as but not limited to, hood and neck drawstrings, cord-connected items and capes which are potentially hazardous and these items can cause death by strangulation.
11. NOT TO use ZL35 when the equipment is wet.
12. To remove their bike or other sports helmet before playing on the ZL35.
13. To verify that the cable is secure at both ends.



Zip Line Fun  
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Holly Springs, MS 38635  
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## TOOLS REQUIRED

1. Ladder
2. Pliers or Vise-Grips
3. Socket Wrench (5/16 or 8mm)
4. Hammer
5. Electrical Tape
6. A Friend
7. Tape Measure

**Parents Please Note: Observing the following statements and warnings reduces the likelihood of serious or fatal injury.**

1. **DO NOT** allow the use of ZL35 by children without adult supervision.
2. **DO NOT** attach ZL35 to a tree or other upright without first determining if the tree or other upright, at the point of attachment, will support at least 1250 pounds.
3. **ALWAYS** check the support structure, attachments, trolley, cable clamps, and cable for integrity before allowing the use of ZL35.
4. **DO NOT** attach ZL35 closer than 6 feet to any other playground equipment.
5. **ALWAYS** use a stable platform to stand on before beginning the ride.

## OPERATING INSTRUCTIONS

**Please Note: Observing the following statements and warnings reduces the likelihood of serious or fatal injury.**

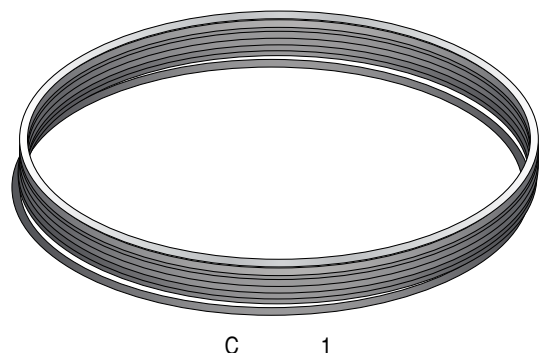
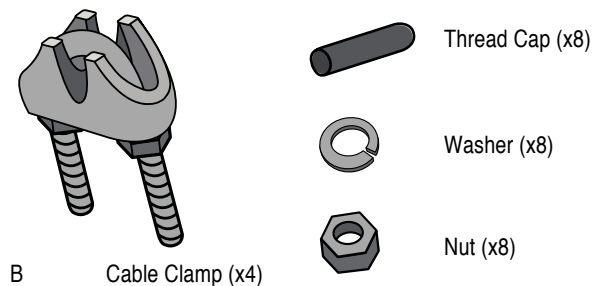
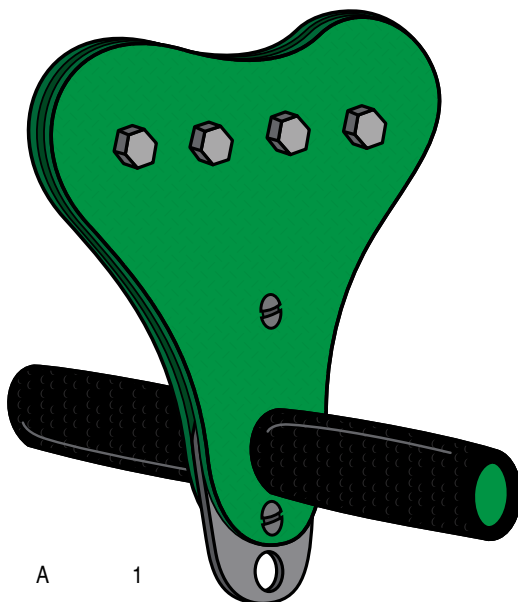
ZL35 Zip Line has been designed to provide children and adults with all of the enjoyment and traditional fun of a smooth, safe and exhilarating ride through the air from one point to another.

1. Follow the installation instructions carefully.
2. Follow the rules of safe use.
3. Stand on a stable platform and grip the handles of the trolley directly overhead with both hands.
4. Lift your feet off the platform and ZL35 will do the rest.
5. ZL35 will slow and stop before reaching the other end of the ride. Drop gently to the ground onto both feet.

## PARTS LIST

- |  |                                     |
|--|-------------------------------------|
| A. Trolley   | 1                                   |
| B. Cable clamps with lockwashers, nuts and thread caps | 4 sets                              |
| C. Galvanized aircraft cable                           | 1 coil (approximately 39 feet long) |

Please check all parts against this list immediately. In case of discrepancy, email [Fun@AdventureParks.com](mailto:Fun@AdventureParks.com).



## INSTALLATION and ASSEMBLY SAFETY INSTRUCTIONS

**Please Note: Observing the following statements and warnings reduces the likelihood of serious or fatal injury.**

**Do not substitute parts!** The parts provided have been safety tested to exceed the maximum stresses expected to be encountered when using this product. If a part becomes damaged in any way Fun@AdventureParks.com for replacement information.

1. **Be sure** that the supporting trees or uprights are secure and will support at least 1250 pounds. **If you are using uprights other than trees or are considering installation on other than level ground please Fun@AdventureParks.com for important safety information.**
2. **Be sure** that the area between the trees or uprights is level and at a distance of not less than 6 feet from any structure or obstruction such as a fence, garage, house, tree trunk, interfering branches, laundry line or electrical wire.
3. **The maximum fall height** for this product is determined by measuring from the handles to the ground at the highest point of attachment to the tree or upright. This will vary depending upon the height of the user and the distance between the trees or uprights (see assembly instructions).
4. **Do not** install ZL35 Zip Line over concrete, asphalt, packed earth, grass, carpet or any other hard surface. A fall onto a hard surface can result in a serious injury or death to the equipment user. **(See enclosed CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS).**
5. **Cable height:** For ZL35 Zip Line to operate properly and safely it is necessary to follow the mounting instructions carefully and observe the height recommendations. Each end of the cable must be mounted at the same height, which should not exceed six (6) feet.

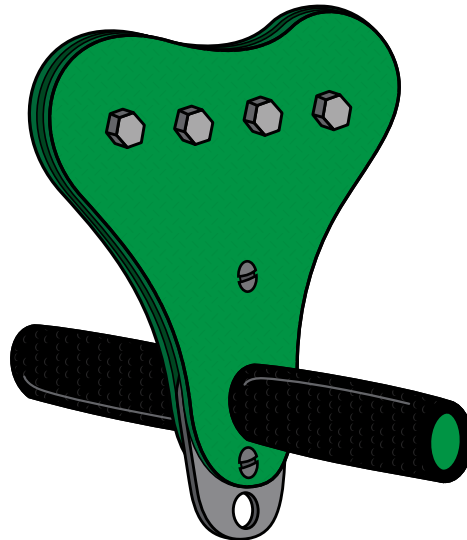
**Please Note: Observing the following statements and warnings reduces the likelihood of serious or fatal injury.**

**WARNING! Do not add additional slope to the cable. This will not improve the ride and may create a danger to the user!**

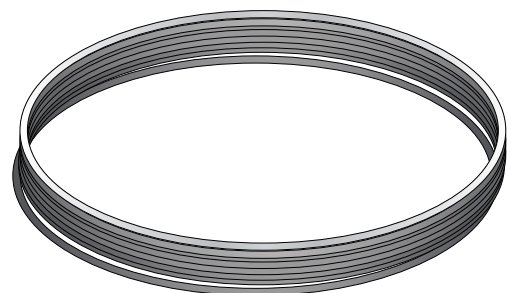
### Assembly Instructions

**NEVER USE EYEBOLTS OR SIMILAR HARDWARE IN CONNECTION WITH THIS PRODUCT!**

1. Set aside Assembled Trolley (E).



2. Carefully uncoil the galvanized aircraft cable (C). Wrap one end around one of the uprights at the height chosen.

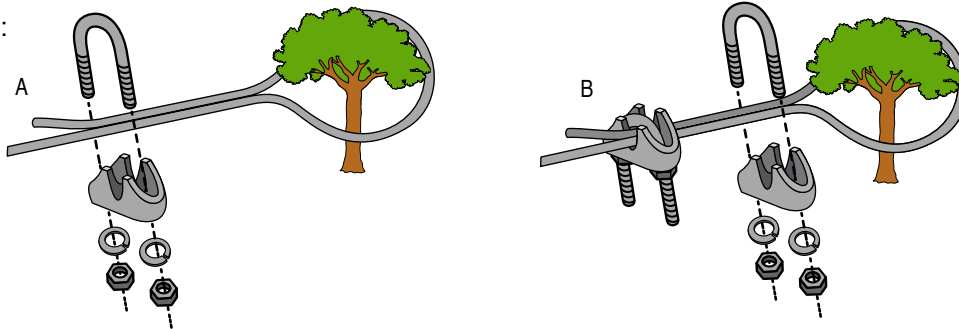


## INSTALLATION and ASSEMBLY SAFETY INSTRUCTIONS (continued)

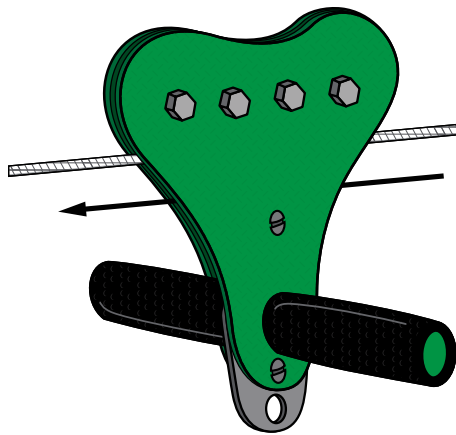
**Please Note: Observing the following statements and warnings reduces the likelihood of serious or fatal injury.**

- Using two (2) of the cable clamps (B) provided with lockwashers and nuts, secure the cable as illustrated below. Tighten the nuts carefully with a socket wrench (5/16 or 8mm).

Illustration 1:



- Stretch out the cable and thread the loose end through the trolley just below the wheels and wrap the end around the other upright.



- Place one of the remaining cable clamps on the cable as if to secure this end as done in Step 3 and Hand Tighten the nuts. Using pliers or vise grips, grip the free end of the cable and pull as tight as possible. Slide the cable clamp toward the upright to secure and pull as tight as possible again. Repeat this process until you feel that you have pulled the cable as tight as possible. Tighten the nuts on the cable clamp carefully with a socket wrench and fully secure the cable with the other cable clamp.
- Depending upon the length of your Zip Line, you may now have extra cable. This excess should be removed. Wrap both protruding cable ends with electrical tape to cover sharp or pointed edges. Using a wire cutter or pliers remove any excess wire protruding beyond 6 inches from the last cable clamp.

**Please observe illustration 1. The cable clamps should be 1 and 1/2 upright diameters from the upright and no closer. Failure to follow this instruction could result in cable damage and increase the likelihood of serious or fatal injury.**

**Do not attempt to use mechanical tensioning devices, as they are not necessary and may interfere with the proper performance of the ride.**

- Obtain a secure platform to place at the starting point of the ride. Place it at the start of the ride and make sure that it cannot tip in any direction.
- Now test the ride. You should stop a short distance before reaching the other end. If you stop considerably short, then you probably have too much tension in the cable and should loosen the cable slightly. If you come too close to the ground, then you may have too little tension and should tighten the cable slightly.
- After the first use, you may expect a small amount of stretch in the cable due to its construction. This is normal and can be adjusted by following the installation instruction step 5.

Your ZL35 is now ready for use and enjoyment.

**Please Note: Observing the following statements and warnings reduces the likelihood of serious or fatal injury.**

**At the Beginning of Each Play Season:**

- Check the trolley, cable and cable clamps for evidence of rust, deterioration, excessive wear, fractures, breaks or sharp edges. Replace if necessary.
- Check for all bolt covering's and sharp edges. Replace if necessary.
- Check all nuts and bolts for tightness and tighten as required.
- Rake and check the depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary. It is particularly important that this procedure be followed at the beginning and end of each play season.
- Reinstall Plastic Parts, Swing Seats or Other Items.

**Once a Month During Play Season:**

- Check the trolley, cable and cable clamps for evidence of rust, deterioration, excessive wear, fractures, breaks or sharp edges. Replace if necessary.

**Twice a Month During Play Season:**

- Rake and check the depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary. It is particularly important that this procedure be followed at the beginning and end of each play season.
- Check for all bolt covering's and sharp edges. Replace if necessary.
- Check all nuts and bolts for tightness and tighten as required.

**At the End of Each Play Season/Temperature Drops Below 32 degrees Fahrenheit:**

- Uninstall and take the ZL35 Zip Line trolley, swing seats or other items inside.
- Rake and check the depth of loose fill protective surfacing materials to prevent compaction and to maintain appropriate depth. Replace as necessary. It is particularly important that this procedure be followed at the beginning and end of each play season.

**Maintenance:**

- 1) When done at prescribed intervals, the above check lists will provide for long lasting and safe use of your ZL35 Zip Line.
- 2) Owners shall be responsible for maintaining the legibility of the warning labels.

**WARNING: Always check the cable before use following an electrical storm. Lightning can strike the cable and weaken it, which could result in a fall and injury!**

**WARNING: Failure to carry out these checks and inspections could result in a fall and injury!**

**DISASSEMBLY**

1. Follow the steps backwards beginning with Step 5.

**DISPOSAL**

1. Disassemble and dispose of all playground equipment in such a way that no unreasonable hazards will exist at the time it is discarded.

## LIMITED WARRANTY

Zip Line Fun warrants to the first consumer purchaser, for a period of one (1) year from the date of purchase, that the Zip Line will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective product or part thereof at no charge to the purchaser for parts or for labor.

This warranty does not apply to any product which has been damaged or defaced, which has been subject to misuse, abnormal service or handling, or which has been altered or modified in design, construction, assembly, installation or operation.

In order to enforce the rights under this limited warranty, the purchaser should return the warranty registration card enclosed in the product package and contact Zip Line Fun if a problem occurs. In the alternative, the purchaser should have available and submit a proof of purchase to Zip Line Fun.

This limited warranty described above is in addition to whatever implied warranties may be granted to purchasers by law.

The warranties described above shall be the sole and exclusive remedy available to the purchaser.

### X3. SECTION 4 OF THE CONSUMER PRODUCT SAFETY COMMISSION'S OUTDOOR HOME PLAYGROUND SAFETY HANDBOOK<sup>9</sup>

**X3.1 Select Protective Surfacing**—One of the most important things you can do to reduce the likelihood of serious head injuries is to install shock-absorbing protective surfacing under and around your play equipment. The protective surfacing should be applied to a depth that is suitable for the equipment height in accordance with ASTM Specification **F1292**. There are different types of surfacing to choose from; whichever product you select, follow these guidelines:

#### X3.1.1 *Loose-Fill Materials:*

X3.1.1.1 Maintain a minimum depth of 9 inches of loose-fill materials such as wood mulch/chips, engineered wood fiber (EWF), or shredded/recycled rubber mulch for equipment up to 8 feet high; and 9 inches of sand or pea gravel for equipment up to 5 feet high. **NOTE:** An initial fill level of 12 inches will compress to about a 9- inch depth of surfacing over time. The surfacing will also compact, displace, and settle, and should be periodically refilled to maintain at least a 9- inch depth.

X3.1.2 Use a minimum of 6 inches of protective surfacing for play equipment less than 4 feet in height. If maintained properly, this should be adequate. (At depths less than 6 inches, the protective material is too easily displaced or compacted.)

**NOTE:** Do not install home playground equipment over concrete, asphalt, or any other hard surface. A fall onto a hard surface can result in serious injury to the equipment user. Grass and dirt are not considered protective surfacing because wear and environmental factors can reduce their shock absorbing effectiveness. Carpeting and thin mats are generally not adequate protective surfacing. Ground level equipment – such as a sandbox, activity wall, playhouse or other equipment that has no elevated play surface – does not need any protective surfacing.

X3.1.3 Use containment, such as digging out around the perimeter and/or lining the perimeter with landscape edging. Don't forget to account for water drainage.

X3.1.3.1 Check and maintain the depth of the loose-fill surfacing material. To maintain the right amount of loose- fill materials, mark the correct level on play equipment support posts. That way you can easily see when to replenish and/or redistribute the surfacing.

X3.1.3.2 **Do not** install loose fill surfacing over hard surfaces such as concrete or asphalt.

X3.1.4 *Poured-In-Place Surfaces or Pre-Manufactured Rubber Tiles*—You may be interested in using surfacing other than loose-fill materials – like rubber tiles or poured-in-place surfaces.

X3.1.4.1 Installations of these surfaces generally require a professional and are not “do-it-yourself” projects.

X3.1.4.2 Review surface specifications before purchasing this type of surfacing. Ask the installer/manufacturer for a report showing that the product has been tested to the following safety standard: ASTM **F1292** Standard Specification for Impact Attenuation of Surfacing Materials within the Use Zone of Playground Equipment. This report should show the specific height for which the surface is intended to protect against serious head injury. This height should be equal to or greater than the fall height – vertical distance between a designated play surface (elevated surface for standing, sitting, or climbing) and the protective surfacing below – of your play equipment.

X3.1.4.3 Check the protective surfacing frequently for wear.

X3.1.5 *Placement*—Proper placement and maintenance of protective surfacing is essential. Be sure to:

X3.1.5.1 Extend surfacing at least 6 feet from the equipment in all directions.

X3.1.5.2 For to-fro swings, extend protective surfacing in front of and behind the swing to a distance equal to twice the height of the top bar from which the swing is suspended.

X3.1.5.3 For tire swings, extend surfacing in a circle whose radius is equal to the height of the suspending chain or rope, plus 6 feet in all directions.

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<sup>9</sup> This information has been extracted from the CPSC publications “Playground Surfacing—Technical Information Guide” and “Handbook for Public Playground Safety.” Copies of these reports can be obtained by sending a postcard to the: Office of Public Affairs, U.S. Consumer Product Safety Commission, Washington, D.C., 20207 or call the toll-free hotline: 1-800-638-2772.

# ADVENTURE PARKS!

TURNING BACKYARDS INTO ADVENTURE PARKS FOR OVER 40 YEARS



# ZIPLINE FUN

AIR POGO<sup>X</sup>

AIR SURFER



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## How to Install Zip Line without Trees

- 1) Determine if you will need to install post's on one side of zip line ride or both sides (each side will require Qty. 2: 6' x 6' x 12' long posts).
  
- 2) For each side you will be using post's instead of trees:
  - a. Bolt Two 6' x 6' x 12' pressure treated posts one in front of the other.
  - b. Bury and cement the posts 4-5' in the ground.
  - c. Face the skinner side (~5.5" wide) toward the direction the zip line ride will travel.
  
- 3) Wait 24 hours to let the cement dry.
  
- 4) Sand down the edges of the posts to make them more rounded where the zip line cable will wrap around.
  
- 5) Use the post like a tree to continue your zip line installation.

## SLOPE

- 1) Tie a string between the two trees that you will set the zip line up on. Make sure that the string is level by using a leveler.
- 2) Measure the high end (starting point) from the ground to the bottom of the string.
- 3) Measure the low end (stopping point) from the ground to the bottom of the string.
- 4) The difference is your slope. \*\*\*Note that the higher ground tree will be your high end (starting point).
- 5) Subtract this slope from the high point determined by following the table in the installation manual and keep the low point the same.

**Ex.** You determine what heights to install your zip line by following the table in the installation manual and find out that you need to anchor the high point at 150 inches and the low point at 102 inches. Next you will determine the slope by following the above directions. You find out that you have a slope of 3 feet or 36 inches. Next, you subtract 150 inches (high point) by 36 inches (slope) to come away with your new high point anchor: 114 inches or 9½ feet. You will keep your low point at 102 inches or 8½ feet. The slope in your yard will make up the 3 feet that you subtracted from the high point and give you the same ride as if you had level ground.