



TWIZZLER II PRODUCT # 30-04000



TWIZZLER II INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS

Thank you for purchasing our exciting TWIZZLER II. The warnings and instructions that follow are important to the enjoyment and safe play of your children and their playmates. Please review these with them and save for future reference.

WARNING

All of the following precautions should be included in the ON SITE supervision of children using TWIZZLER II.

The TWIZZLER II has been designed and tested for safety and fun. However, children using it will need proper instruction and supervision. The TWIZZLER II is intended to be used and enjoyed as a recreational swing. It has been thoroughly tested to insure its safety and conforms to ASTM F1148 Standard Consumer Safety Performance Specification for Home Playground Equipment and European Toy Safety Standard EN-71.

WARN CHILDREN:

1. **TO** use the Twizzler II **ONLY** after it is properly installed by an adult.
2. **TO** get off Twizzler II **ONLY** after it has completely stopped and to drop straight down landing on both feet.
3. **NOT TO** exceed the maximum safe weight ratings. The Twizzler II is designed to be used by one child at a time, 3 years & up, weighing up to 225 pounds.
4. **TO** use the Twizzler II **ONLY** as it is intended.
5. **TO** avoid swinging or spinning the Twizzler II with no riders.
6. **NOT TO** walk close to, in front of, behind, or between a swinging Twizzler II, swing or any other moving object.
7. **TO** hold the Twizzler II handles firmly with both hands at all times.
8. **TO** dress appropriately with well fitting shoes and no ponchos, scarves or other loose fitting clothing which is potentially hazardous.
9. **NOT TO** use Twizzler II when the equipment is wet.
10. **NOT TO** use Twizzler II without adult supervision.

Tools Required:

Slot head screwdriver

Phillips head screwdriver



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PARENTS PLEASE NOTE:

Observing the following statements and warnings reduces the likelihood of serious or fatal injury.

1. **DO NOT** allow the use of Twizzler II without adult supervision.
2. **DO NOT** attach swings to a cantilever device such as a tree limb without first determining if the device, at the point of attachment, will support at least 600 pounds.
3. Your swing set should have support hangers with nylon bushings similar to those illustrated. This type of hanger is the **only** type recommended for use with Twizzler II. If your set does not have this type of support hanger, you may purchase them at your local playground equipment store.
4. **ALWAYS** check the support structure, attachments and ropes for integrity before allowing the use of the Twizzler II.
5. **DO NOT** attach the Twizzler II closer than 6 feet to an adjacent swing element capable of limited lateral motion (where two or more chains, ropes or poles are used for suspension); or closer than 7 feet to any stationary member of the structure when measured at a height of 28 inches above the seating surface.
6. **TEACH** children to hold the handles of the Twizzler II with both hands at all times.
7. The maximum fall height for this product is determined by measuring from the ground to the point of attachment to the swing set or tree.

OPERATING INSTRUCTIONS

Observing the following statements and warnings reduces the likelihood of serious or fatal injury.

The Twizzler II has been designed to provide children with all of the enjoyment and traditional fun of swings and spinning bars.

1. Follow the installation instructions carefully.
2. Follow the rules of safe use.
3. Hold onto the Twizzler II handles with both hands and begin a twisting motion with your body.
4. Your feet must be off the ground and hanging straight down to begin the twisting motion. Do not bend your knees.

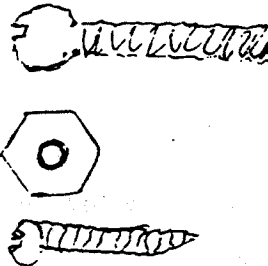
Parts list:

1. 1-Large Twizzler II plastic body section (top).
2. 1-Small Twizzler II plastic body section (bottom).
3. 1-10" length of steel tubing.
4. 1-Small plastic washer.
5. 1-9' piece of rope with ferrule attached to one end. (9' or 18' Rope available as replacement part).
6. 2-Sheet metal screws
7. 2-Bolts
8. 2-Hex nuts for bolts.

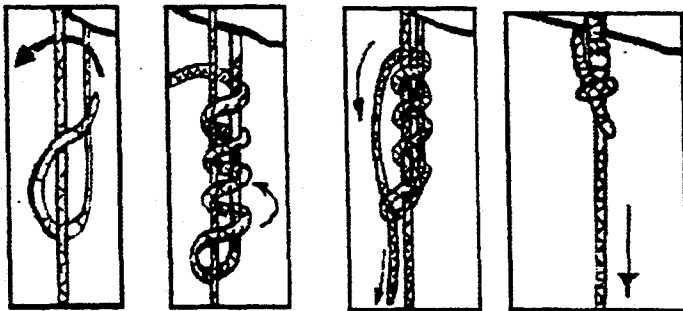
Bolt

Hex nut

Sheet Metal Screw



KNOT ILLUSTRATION- Figure 1.



SWING HANGER WITH NUT

The swing hanger illustrated is of the type recommended for use with **SPRING SWING™**.

If your set does not have this type of support hanger, you may purchase them at your local playground equipment store.

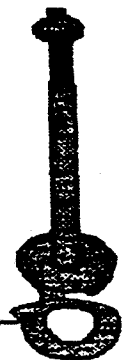
ASSEMBLY AND INSTALLATION INSTRUCTIONS

Observing the following statements and warnings reduces the likelihood of serious or fatal injury.

A. Warnings:

1. **Be sure** that the supporting structure is secure and will support at least 600 pounds for each element to be hung on it, is over level ground, at a distance from any structure or obstruction such as a fence, garage, house, tree trunk, interfering branches, laundry line or electrical wire of not less than the greater of 6 feet or the distance from the supporting structure to the bottom of the swing seat plus 3 feet.
2. **Do not** install this Product over concrete, asphalt, packed earth or any other hard surface. A fall onto a hard surface can result in a serious injury to the equipment user. (See enclosed CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS).
3. After attachment, **Do not** loop rope over the top support bar or tree limb as this may reduce the strength of the rope.

SWING HANGER WITH NUT



B. Assembly:

1. Thread the small plastic washer onto the rope so that the washer is touching the metal ferrule attached to the rope.
2. Take the large section of the Twizzler II (top) and set it in your lap or on a work surface so that you can look into the hollow cone shaped area inside and through the hole. Thread the end of the rope that does not have the ferrule and washer attached down into the hole and pull it all the way through.
3. Set the 10" piece of steel tubing into the channel and cover with the other section of the Twizzler II (bottom) so that it fits properly. You may have to reverse the bottom section to achieve a proper mating with the top.
4. Using the 2 screws, secure the bottom to the top in the center area.
5. Turn the Twizzler II over and using the 2 bolts and nuts, secure the ends of the Twizzler II. The nuts fit into the hex shaped cavities now on the underside. Tighten all bolts and screws as tight as possible by hand.

C. FOR INSTALLATION ON NEW SWING SETS

1. Be sure that your swing set is installed in the manner recommended by the manufacturer.
2. Follow the instructions for installing on existing swing sets.
3. The parts provided have been safety tested to exceed the maximum stresses expected to be encountered when using this product.

D. FOR INSTALLATION ON EXISTING SWING SETS

1. Check to be sure that the support hangers on your set are of the type recommended. If not, see "PARENTS PLEASE NOTE" #3.
2. Once the proper support hangers are in place, using the knot illustrated in **figure 1**, tie the loose end of the Twizzler II rope to the **support hanger**.
3. Measure the height of the user to **be sure** that the feet of the user are no more than 15" from the ground. The swing has been provided with enough rope to accommodate swing sets of varying heights. Be sure that loose ends of rope are secured. Your Twizzler II should now be properly installed and ready for safe use and enjoyment.

E. FOR INSTALLATION ON SUPPORT STRUCTURES OTHER THAN SWING SETS

1. **Be sure** that the supporting structure is secure and will support at least 600 pounds for each element to be hung on it, is over level ground, at a distance from any structure or obstruction such as a fence, garage, house, tree trunk, interfering branches, laundry line or electrical wire of not less than the greater of 6 feet or the distance from the supporting structure to the bottom of the swing seat plus 3 feet.
2. **Do not** install this Product over concrete, asphalt, packed earth or any other hard surface. A fall onto a hard surface can result in a serious injury to the equipment user. (See enclosed CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS).
3. **Be sure** that the feet of the user are no more than 15" from the ground.
4. Obtain the appropriate support hangers as recommended above and install them securely using butterfly type anchors into the horizontal support.
5. Follow instructions 2 and 3 for installation on existing swing sets.

Your Twizzler II should now be properly installed and ready for safe use and enjoyment.

F. FOR INSTALLATION ON TREES OR OTHER SUPPORTING STRUCTURES WHERE THE USE OF THE RECOMMENDED SUPPORT HANGERS IS NOT PRACTICABLE OR POSSIBLE.

1. **Be sure** that the supporting structure is secure and will support at least 600 pounds for each element to be hung on it, is over level ground, at a distance from any structure or obstruction such as a fence, garage, house, tree trunk, interfering branches, laundry line or electrical wire of not less than the distance from the supporting structure to the bottom of the Twizzler bar plus the height of the user and 3 feet.
2. **Do not** install this Product over concrete, asphalt, packed earth or any other hard surface. A fall onto a hard surface can result in a serious injury to the equipment user.
3. Be sure that the feet of the user are no more than 15" from the ground.
4. Wrap the loose ends of the rope around the horizontal support at least 3 times and secure the rope with a slip proof knot such as the knot illustrated in **figure 1**. Remove loose dangling ends.
5. Follow instruction 3 for installation on existing swing sets.

MAINTENANCE

1. At the beginning of each season and at least twice monthly during the season treat the ropes with a **teflon** based lubricant.
 2. Before each use, check the rope, knots, support and all connections for evidence of deterioration, excessive wear, fractures, breaks or sharp edges and replace as necessary.
 3. Take Twizzler II indoors when the temperature drops below 32 degrees Fahrenheit.
 4. When done at prescribed intervals, these precautions will provide for long lasting and safe use of Twizzler II.
- Warning: Failure to carry out these checks and inspections could result in a fall and injury.**

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

Spring Swings, Inc. warrants to the first consumer purchaser, for a period of one (1) year from the date of purchase, that the swing 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 included in the product package and contact Spring Swings, Inc. if a problem occurs. In the alternative, the purchaser should have available and submit a proof of purchase to Spring Swings, Inc.

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.

TWIZZLER II NEW AND IMPROVED

PRODUCT # 30-04000

IMPORTANT INSTRUCTION REVISION

PLEASE READ THE ATTACHED ORIGINAL INSTRUCTIONS AND THIS SUPPLEMENTAL REVISION BEFORE ATTEMPTING TO ASSEMBLE OR USE THIS PRODUCT.

The new and improved Twizzler II has simplified the assembly process and eliminated the need to tie a knot to attach it to a swing set or tree limb. Now Twizzler II can be attached to a tree limb or horizontal support bar by merely draping the rope over it and inserting the bar through the loop at the top of the rope. In some cases, where the tree limb used to hang the Twizzler II is higher than the rope allows, it will be necessary to attach an additional length of rope and follow the instructions for tying the recommended knots.

The Twizzler II now comes to you mostly assembled and eliminates the excess rope required to tie the knots which are no longer required for assembly and attachment, providing the same useable length as the previous version. In addition Twizzler II has provided a figure 8 piece of hardware on the rope making adjustment of the height a simpler process.

It is now only necessary to insert the support pipe between the top and bottom handle sections and insert and tighten the screws, bolts and nuts.

PLEASE READ ALL OF THE ENCLOSED INSTRUCTIONS CAREFULLY AS FOLLOWING THEM AND OBSERVING THE PRECAUTIONS SUGGESTED REDUCES THE LIKELIHOOD OF SERIOUS OR FATAL INJURY.

X3. CONSUMER INFORMATION SHEET FOR PLAYGROUND SURFACING MATERIALS¹¹

X3.1 The U.S. Consumer Product Safety Commission (CPSC) estimates that about 100 000 playground equipment-related injuries resulting from falls to the ground surface are treated annually in U.S. hospital emergency rooms. Injuries involving this hazard pattern tend to be among the most serious of all playground injuries, and have the potential to be fatal, particularly when the injury is to the head. The surface under and around playground equipment can be a major factor in determining the injury-causing potential of a fall. It is self evident that a fall onto a shock absorbing surface is less likely to cause a serious injury than a fall onto a hard surface. Playground equipment should never be placed on hard surfaces such as concrete or asphalt and while grass may appear to be acceptable it may quickly turn to hard packed earth in areas of high traffic. Shredded bark mulch, wood chips, fine sand or fine gravel are considered to be acceptable shock absorbing surfaces when installed and maintained at a sufficient depth under and around playground equipment.

X3.2 Table X3.1 lists the maximum height from which a child would not be expected to sustain a life-threatening head injury in a fall onto four different loose-fill surfacing

TABLE X3.1 Fall Height in Feet From Which a Life Threatening Head Injury Would Not Be Expected

Type of Material	6 in. depth	9 in. depth	12 in. depth
Double Shredded Bark Mulch	6	10	11
Wood Chips	6	7	12
Fine Sand	5	5	9
Fine Gravel	6	7	10

materials if they are installed and maintained at depths of 6, 9, and 12 in. However, it should be recognized that all injuries due to falls cannot be prevented no matter what surfacing material is used.

X3.3 It is recommended that a shock absorbing material should extend a minimum of 6 ft in all directions from the perimeter of stationary equipment such as climbers and slides. However, because children may deliberately jump from a moving swing, the shock absorbing material should extend in the front and rear of a swing a minimum distance of 2 times the height of the pivot point measured from a point directly beneath the pivot on the supporting structure.

X3.4 This information is intended to assist in comparing the relative shock-absorbing properties of various materials. No particular material is recommended over another. However, each material is only effective when properly maintained. Materials should be checked periodically and replenished to maintain correct depth as determined necessary for your equipment. The choice of a material depends on the type and height of the playground equipment, the availability of the material in your area, and its cost.

¹¹ 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.