

Meyco Pool Covers

Safety and Owners' Manual and Installation Instructions



Everyone Trusts the Original.™

Meyco Products relies on the experience and knowledge of pool professionals to properly install our products. Damage that occurs to covers that are not installed properly or maintained properly per the guidelines in this document will not be covered by Meyco's warranty.

| | |
|-------------|----------------|
| Pool Owner | Order # |
| Pool Dealer | Pool Size |
| Cover Size | Overlap |
| Anchors | Date Installed |

Failure to follow instructions and safety precautions in this manual can result in serious injury or death. Keep this manual in a safe location for future reference.



WARNING

AVOID DROWNING RISK

FAILURE TO FOLLOW ALL INSTRUCTIONS MAY RESULT IN DROWNING OR INJURY

DO NOT WALK ON COVER EXCEPT IN AN EMERGENCY

ENTRAPMENT POSSIBLE - REMOVE COVER COMPLETELY BEFORE ENTRY OF BATHERS

KEEP COVER DRUM TIGHT TO AVOID UNSAFE STANDING WATER

KEEP CHILDREN AWAY. CHILD CAN DROWN ON TOP OF COVER. CHILDREN OR OBJECTS CANNOT BE SEEN UNDERCOVER

NON-SECURED OR IMPROPERLY SECURED COVER IS A HAZARD

INSPECT COVER PERIODICALLY FOR WEAR

REMOVE STANDING WATER

THIS MEYCO SAFETY COVER MEETS ASTM F 1346-91 FOR MANUAL SAFETY COVERS (MSC) WHEN USED IN ACCORDANCE WITH PRINTED INSTRUCTIONS.



Everyone Trusts the Original.™

MEYCO PRODUCTS, INC.
1225 WALT WHITMAN ROAD
MELVILLE, NY 11747

Illustration above is a sample of the warning label attached to each pool cover.

POOL COVER SAFETY

At Meyco Pool Covers we care about the safety of your family and guests. As a pool and Meyco pool cover owner you have a responsibility to use your pool safely and responsibly. Therefore we are providing you with this important safety information. Failure to follow these Warnings may result in serious injury or death.

Your Meyco pool cover has been certified to meet the ASTM F-1346-91 Standard. As with any safety product, however, it will only work if used as instructed. Many state and local authorities require a fence or other additional devices to protect against unauthorized access to the pool. All of these devices are intended to assist supervising adults. **THERE IS NO SUBSTITUTE FOR COMPETENT ADULT SUPERVISION, WHICH MUST BE MAINTAINED WHEN CHILDREN, PETS OR OTHERS ARE IN OR AROUND THE POOL.**

For more information on pool safety, please contact the Association of Pool and Spa Professionals at apsp.org or the US Consumer Product Safety Commission at poolsafely.gov.

In addition:

1. ALWAYS make sure that there is competent adult supervision when children, pets or others are in or around the pool. There is no substitute.
2. ALWAYS make sure your pool and property is in compliance with all state and/or local barrier laws and codes, which may require fencing, alarms or door latches.
3. ALWAYS make sure cover is properly and fully installed as instructed in this manual.
4. NEVER use pool until cover is completely removed. Otherwise bathers may be trapped underneath.
5. ALWAYS Make sure you remove all floats, pool accessories and toys from the pool before applying cover. DO NOT apply cover if there are any people or animals in the pool.
6. NEVER allow children to walk or play on the cover. Small children can drown even in standing water accumulated on top of the cover.
7. ALWAYS remove any standing water.
8. NEVER jump on cover. It is not a trampoline.
9. NEVER walk on cover unless it is an emergency, or place objects on cover.
10. ALWAYS inspect cover before installing at the end of each season, or at least yearly in year-round climates.
11. NEVER apply a cover if it appears worn or torn.
12. ALWAYS use proper stakes for installation as explained in this manual.
13. NEVER use lawn stakes for more than 20% of the anchoring points or at opposite ends of the same strap.

REMINDER

This cover has been carefully inspected prior to shipping and determined to be free of manufacturing or material defects.

Meyco Use and Care Instructions to the Owner:

The following information is essential for the safe and effective use of your Meyco cover. Failure to follow any of these instructions will void your Warranty.

1. **SAFETY FIRST:** Carefully read and follow all WARNINGS and safety instructions on inside cover and elsewhere in this Manual. Failure to do so may cause serious injury or death from drowning.
2. **INSPECT THE COVER:** Inspect cover at the start of each pool season. If cover appears torn or frayed, DO NOT USE.
3. **MAINTAIN WATER CHEMISTRY:** Proper pool water chemistry must be maintained at all times that the cover is in place. Excessive chlorine, salt or other products or improper pH can damage cover, pool surface and other components. Water chemistry should be checked regularly.
4. **AVOID PEOPLE AND OBJECTS ON COVER:** Do not walk on except in an emergency. Never jump on cover or place any objects on the cover.
5. **STORAGE AND CLEANING:** The cover should be folded and stored in its original storage bag whenever not in use. Leaves and other debris should be removed before storage. Clean PermaGuard and RuggedMesh covers with a mild detergent before storing. RuggedMesh covers should also be hosed down from bottom side to avoid clogged filters. MeycoLite covers do not need to be scrubbed or powdered before storage. ALL covers must be stored in an area free of rodents.
6. **AVOID DAMAGE FROM SOLAR REFLECTION:** Reflecting sunlight from windows can damage the cover (as well as other pool products). Pay attention to solar reflection from your home and address with appropriate windows or trees or shrubbery to shield cover from solar reflection.
7. **AVOID ROUGH SURFACES:** Avoid cover contact with rough decking or coping surfaces or edges, which can cause tears or other damage. To reduce the risk of abrasion, check the cover periodically to ensure it is kept drum tight.
8. Do not drag the cover on the decking or over cover springs.
9. **KEEP COOKING EQUIPMENT AWAY FROM POOL:** Sparks from barbeques or other grills may damage the cover. All outdoor cooking appliances should be kept at least 10 feet away from the pool edge.

Meyco Use and Care Instructions to the Dealer:

For the safety of your customer and their family and guests and for your own protection It is imperative that you:

1. Follow all of the instructions in the Meyco Pool Covers Safety and Owners' Manual and Installation Instructions.
2. Provide the customer with this manual as well as all other written materials accompanying the cover.

IMPORTANT SAFETY INFORMATION:

Your Meyco safety cover should be inspected regularly. If the cover appears torn or damaged, then you must STOP using it as a safety cover.

Make sure your pool is maintained and protected in accordance with applicable state or local barrier codes. Other things to look for include, threads being broken or missing, wear of the reinforcing strips at the bottom of the cover, webbing becoming frayed, excessive fading of material or material becoming stiff or brittle.

DESPITE THE AGE OF THE COVER OR THE AMOUNT OF TIME LEFT ON THE WARRANTY, these are all signs of a cover that may no longer be considered a safety cover and it should be replaced or repaired immediately.

RECOMMENDED PROCEDURES

for your Meyco Pool Cover

**DO NOT DRAG COVER OVER ANY ABRASIVE SURFACE;
CARRY COVER TO POOL AREA.**

Dragging cover over concrete, brick or other abrasive surfaces will cause damage not covered by our warranty.

BE CAREFUL NOT TO CATCH THE COVER MATERIAL ON THE SPRINGS OR ANCHOR NECKS.

This could cause small pulls and tears in the material that are not covered by the warranty.

CHECK POOL WATER LEVEL; IT MUST BE WITHIN 18" OF THE TOP OF THE POOL AND MUST NOT FALL LOWER DURING THE WINTER (SNOW) SEASON.

Low water level will cause undue stress on the cover and could result in damage not covered by our warranty.

PERSONALLY HAND THE WARRANTY CARD AND CARE OF MEYCO COVER INSTRUCTIONS TO THE CUSTOMER.

Prompt return of the warranty card will enable Meyco to maintain current records

IMPORTANT Meyco Swimming Pool Safety Covers and rough or sharp coping & edges

MEYCO Swimming Pool Safety Covers are designed with anti-abrasion strips for added protection at typical wear points where webbing straps ride over the smooth coping edge.

However, extra precaution must be taken by the installer or pool owner in areas with rough coping or sharp corners. It is recommended that additional padding (vinyl, rubber sheeting or carpet remnants) be used to prevent excessive wear.

MEYCO PRODUCTS is not responsible for damage caused by rough coping or sharp edges.

REQUIRED TOOLS & HARDWARE

Rotary hammer drill

this may be purchased from many hardware stores or rented from a tool rental shop. Common manufacturers are Bosch, Skil, Hilti, and Black & Decker.

3/4" drill bit

carbide tipped bits are normally used. Diamond tipped bits are available for longer life and more precisely round holes. If installing pipe anchors, a 15/16" or 1" drill bit will also be required.

Hammer or mallet

Tape measure

Chalk

Chalk line - to help line up anchor locations

Lubricant - a light oil or silicone spray

Water Buckets - Buckets can sit on top of straps as you initially position the cover for installation. The buckets will help keep the cover in place as you align the cover over the pool.

PLEASE NOTE:

Hardware type and quantities shipped with your cover may be adjusted to fit your particular pool and decking requirements.

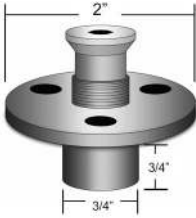
Installation into decking other than normal concrete decking may require optional or additional hardware and installation tools.

When installing a Solid Cover that requires a pump for water removal, place pump in the middle of the cover. An additional pump may be required depending on the size and shape of the pool.

REQUIRED EQUIPMENT

Hardware packed with your cover

BRASS ANCHORS TYPES - one for each cover strap



Wood Deck Anchor



Screw Type Anchor



Optional Pop-up Anchor

STAINLESS STEEL COMPRESSION SPRINGS

one for each cover strap



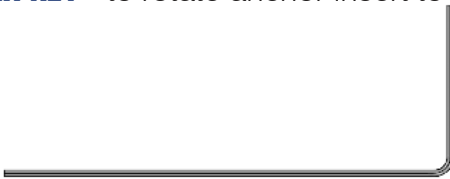
ANCHOR TAMPING TOOL used to tamp anchors into deck



INSTALLATION ROD - for attaching and removing cover



HEX KEY - to rotate anchor insert to up or down position



For limited decking:

O-RING



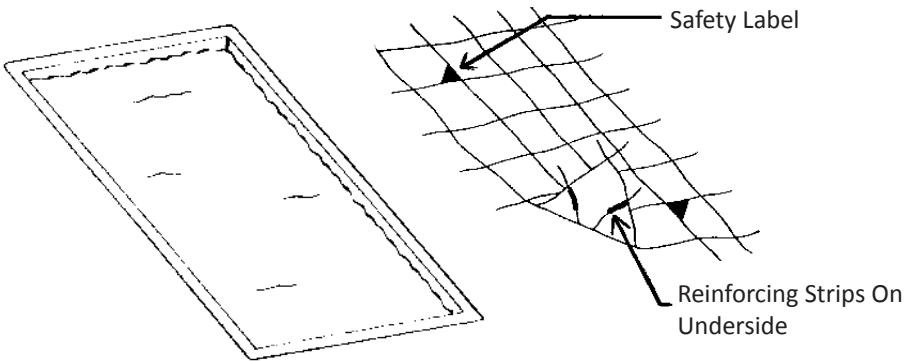
SHORT SPRING



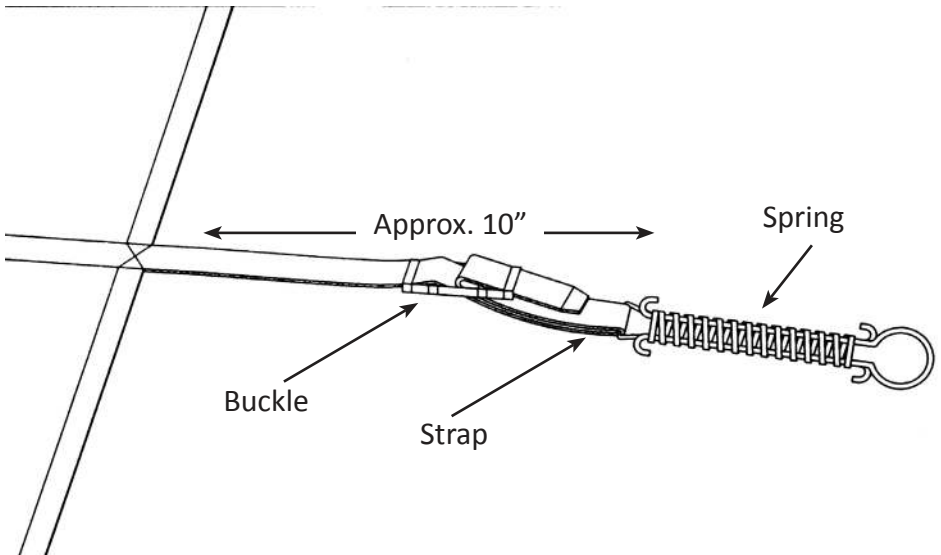
POSITIONING COVER

Remove all ladders and rails not permanently anchored into the decking. Unroll the cover off the side of the pool (if decking permits). **Do not drag or snag cover on any obstructions or the decking.** Be sure that the reinforcing strips sewn under each strap around the cover perimeter are facing down towards the pool or coping edge.

The Meyco Safety label should be facing up. Carefully rotate the cover, if necessary, to properly position the cover over the pool. If there are any cutouts for obstructions on the cover, these areas of the cover must be positioned and installed first.



The cover should now be sagging into the pool with the material floating on the water. Attach all springs to straps by threading the strap through the spring and back through the buckle on the strap. Use the following diagram as a guide. Position the spring about 10" from the cover's edge - adjustments can be made in positioning later if needed.

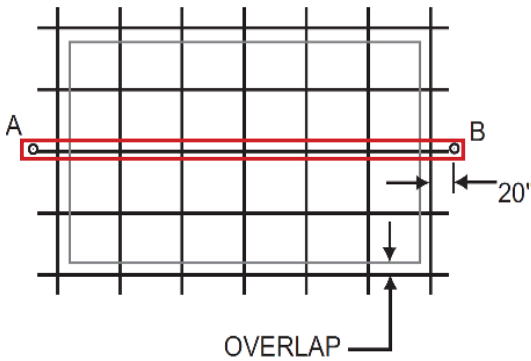


STANDARD & CUSTOM - Rectangular Covers

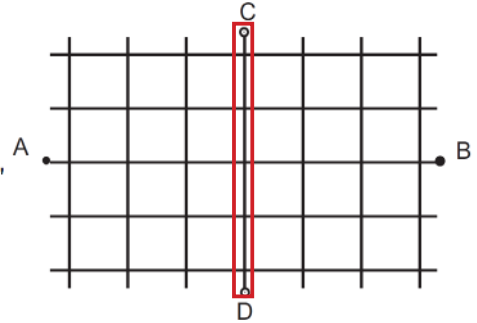
(look for orientation label on cover to coincide with anchor plan)

Start by anchoring both ends of a center strap (A&B) down lengthwise. (Follow the anchor drilling instructions on page 11.) Then install both ends of a center strap (C&D) across the pool width. Be sure there is an equal overlap on both sides and ends. For the proper overlap, look at the cover page of this booklet or subtract the pool size from the cover size and divide by two. Anchors should be located 20" back from the cover's edge. The correct anchor distance back from the pool edge is the core overlap plus this 20". Typically, anchors are about 32" to 38" back from the pool edge.

Install Center Strap A-B

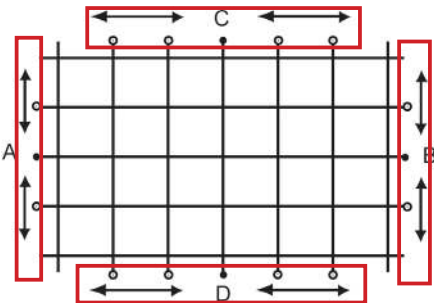


Install Cross Strap C-D

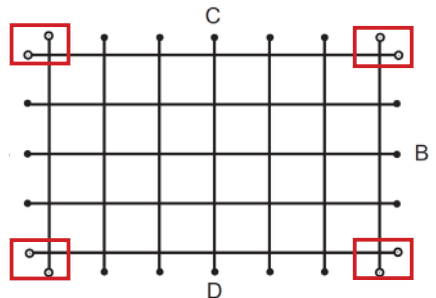


The installation can be completed by installing remaining anchors towards corners.

Install Remaining Anchors

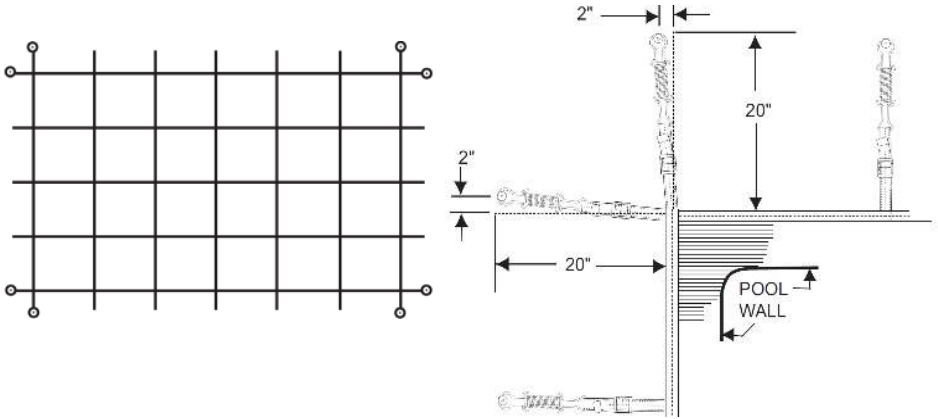


Install Corner Anchors



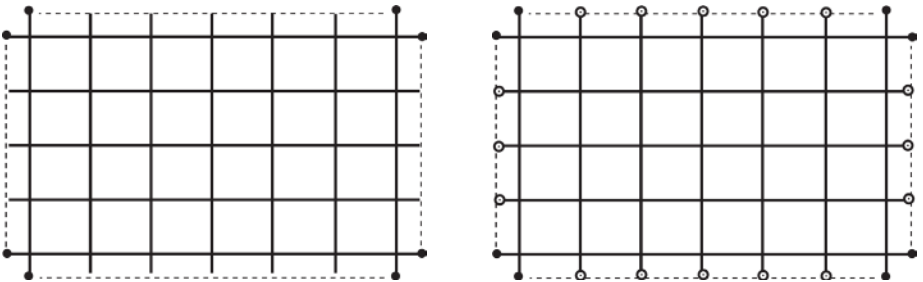
Alternative Rectangular Method

Rectangular covers may also be installed by anchoring the corners first. When using this method, it is advisable to mark the cover corner locations on the deck in chalk. Then mark the corner anchor locations by measuring 20" out from the cover corner and slightly (2") away from the center of the pool to allow for eventual cover stretch.



When all eight corner anchors are installed, adjust the strap through the buckles for proper tension and equal overlap. Using a chalk line or piece of string, mark a straight line between corner anchors on all four sides of deck.

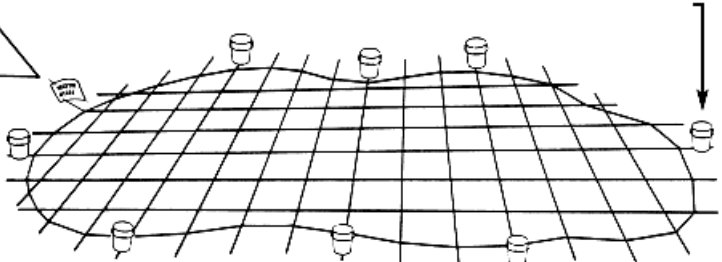
Install remaining anchors down the length of pool, being sure to locate the anchor on the chalk line and pulling the cover strap straight out from the cover. Continue to do the same down the width sides of the pool.



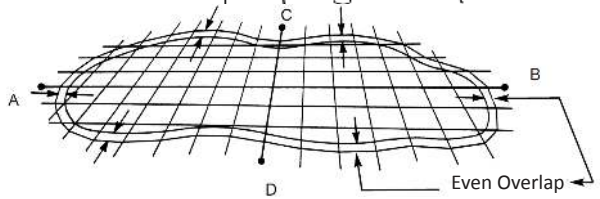
Straps and buckles can be adjusted to align straps not in perfect alignment.

Custom Shaped Covers

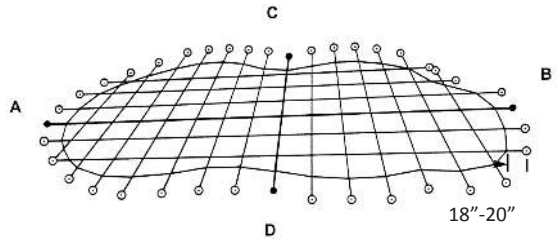
Water-filled containers or similar weights should be positioned on some of the straps to hold the cover in position. **Be careful not to position weights directly on the cover material as it could snag or damage the material.** If there are any obstructions, first position the cover so that cutouts fit around obstructions (e.g. rocks, rails, raised walls).



Start anchoring both ends of a center strap (A&B) down lengthwise using the drilling instructions in this manual. Then install both ends of a center strap (C&D) across the pool width. Be sure there is an equal overlap around the pool. For the proper overlap, subtract the pool size from the cover size and divide by 2. Check to be sure anchors are the proper distance back from the pool edge. Anchors should be 20" back from the cover's edge.

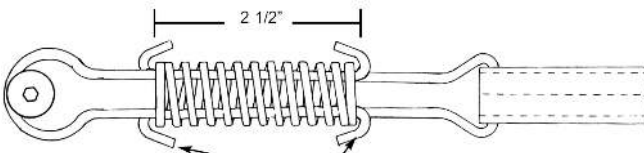


Continue to install the remaining anchors. Pull the straps out straight from the cover. Set anchors back to proper distance from the pool edge. Anchors should be located 20" from the cover's edge. The correct anchor distance back from the pool edge is the cover overlap plus the 20" distance from the cover's edge to the anchor. Typically the anchors are about 32" to 38" back from the pool edge.



Check to be sure that all the cross webbing and straps are straight. If there are any straps not pulling straight across the cover it may be possible to straighten them by adjusting the tension (by moving the buckles) on the straps perpendicular to them.

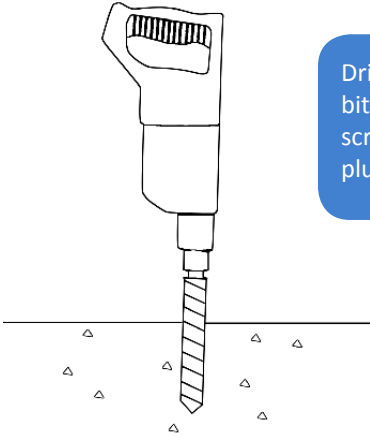
Check for a uniform overlap around the cover. Tighten straps so that springs are compressed about halfway (approx. 2 1/2" apart) as shown in this diagram.



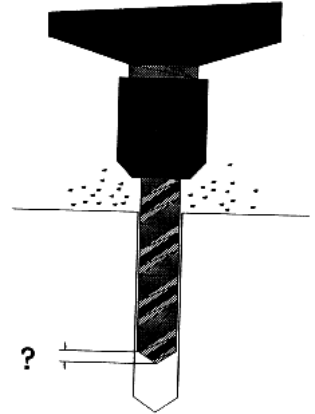
Coils compressed 2 1/2" apart (50% to 75% compressed)

Anchor Drilling

Once you have located proper anchor positions, drill holes to accept the anchor shells. Measure the drill bit beveled depth. Then add 2" for pop-up type anchors or 1 3/4" for screw-type anchors. Mark this measurement onto your tamping tool and drill bit with electrical tape or use a drill guide. Drilling dust can be removed with a vacuum or blown out.



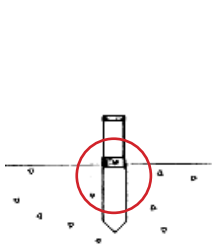
Drill hole with a 3/4" drill bit. The hole depth is 1 3/4" screw type (2" pop-up type) plus drill bit beveled depth.



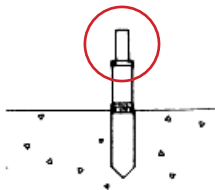
When your anchor hole is properly prepared, the anchor shell can be lightly tamped into position by inserting the tamping tool into the shell and tamping it into the deck with a mallet or hammer. A light Teflon or silicone spray on the tamping tool prior to tamping will facilitate its easy removal.

If the tamping tool should become jammed into the anchor, try gently tapping the tool on the sides to loosen it while pulling in an upward direction. For "Pop-Up Style" anchors, properly align the bevel on the tool with the inside of the anchor. Do not force it.

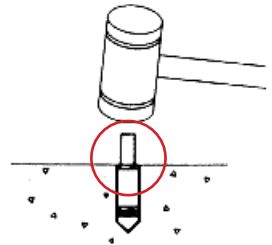
Always follow recommendations for personal protective equipment (PPE) from the manufacturer if using any power tools (e.g. drills) when installing cover.



Position the anchor shell above the hole.



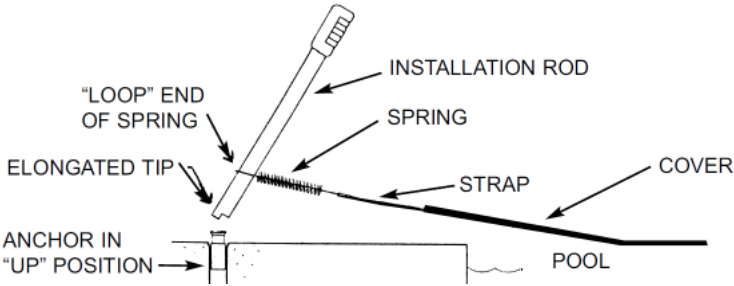
Insert tamping tool into the anchor shell.



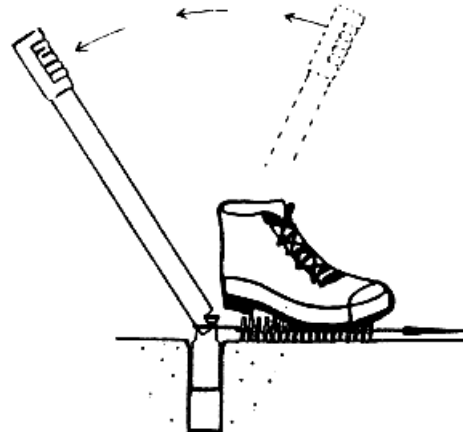
Tap tamping tool gently to set anchor flush with deck.

Fastening Springs to Anchors

Position anchor inserts in the up position using the hex key. Slide the installation rod through the loop end of the spring and position over the end of the anchor head. The elongated tip of the rod should be towards the back of the anchor (furthest from the pool). The rod should now be angled towards the pool.

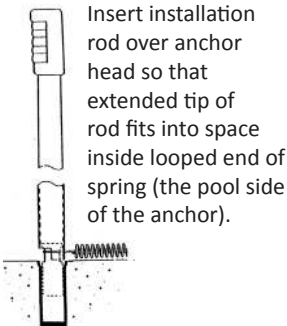


Pull the rod handle away from the pool. The spring will slide down the rod to the elongated tip. This can be facilitated by pushing down on the spring with your foot. The rod may also be lightly sprayed with silicone lubricant to ease sliding. The spring will slide off the rod and onto the anchor head.

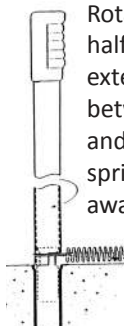


A cover should be "drum tight". A loose cover will allow "wind-whipping" which may result in coping wear on the fabric around the edge. At initial installation, we suggest that the cover be set extremely taut by adjusting strap buckles to a position where the cover tension will have the spring coils almost touching. As the cover stretches slightly, tension will lessen and springs should adjust to their normal position. Check cover tension periodically. Spring coils should be compressed about 2 1/2".

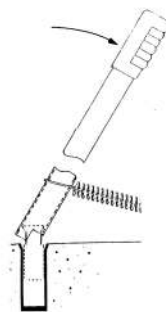
Removing Springs from Anchors



Insert installation rod over anchor head so that extended tip of rod fits into space inside looped end of spring (the pool side of the anchor).



Rotate the rod a half turn so that the extended tip slides between the anchor and the end of the spring furthest away from the pool.



Tilt the rod towards the pool. The spring will slide up the rod, releasing the spring from the anchor head. As the tension has been removed, the spring at the opposite end of this strap can now easily be removed from the anchor head by hand.

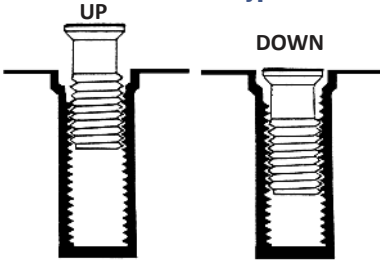
Hardware

Brass Anchors - For stable surfaces such as concrete, mortared brick or patio stone decks.

For these and other stable anchoring surfaces, anchors can be installed by simply drilling a hole with a rotary hammer drill; tamping the anchor shell into the hole; and inserting the anchor insert. A carbide tipped drill bit is often used for drilling. Diamond tipped bits are available for longer life, quicker drilling and more precisely round holes.

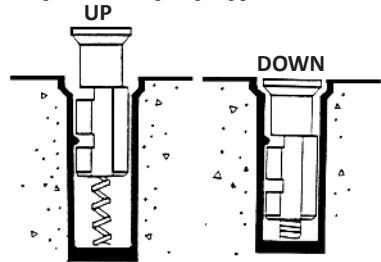
For low grade concrete decks and decks with veneer coatings, spalling or chipping may occur when drilling. It is advisable, in these cases, to use a slow-speed drill for the initial drilling, followed by the hammer drill setting to complete the hole. Brass anchor flanges are available (for screw type anchors only) to “cover” chipping around the anchor edges.

Standard Screw Type Anchor



Threaded to rotate up and down

Optional Pop-Up Type Anchor

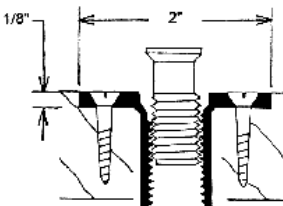


1/4 turn with spring insert to release or set into position

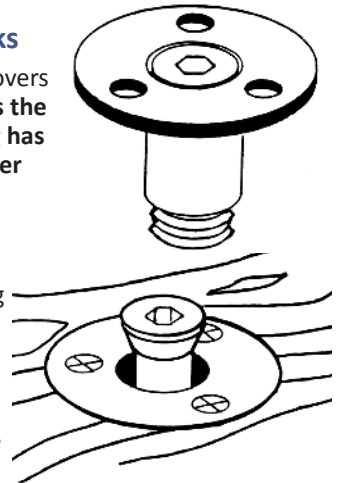
*note: to facilitate smooth operation it is recommended that anchor inserts be removed each spring and fall and dirt flushed out of shells. The brass inserts may also be lightly coated with a silicone or Teflon spray to ensure smooth operation. **Do not use oil or grease!***

Wood Deck Anchors - For sturdy wood decks

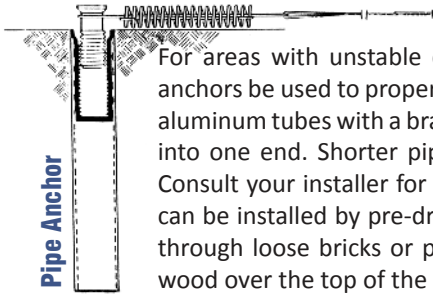
Meyco wood deck anchors may be used to anchor covers to wood decks capable of supporting the anchor. **It is the installer's responsibility to determine if the decking has sufficient thickness and strength to support the cover tension and the attachment of the anchor.**



Anchors should be countersunk into decking by drilling two holes in the wood. First a 2" x 1/8" countersink for the top flange. Second, a 3/4" hole to accept the body of the anchor itself using a conventional drill bit. A 2" Forstner Bit is recommended for quick drilling of the shallow countersink hole.

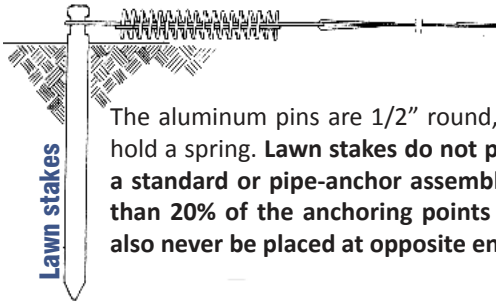


Pipe Anchors - For unstable surfaces such as loose bricks, patio stones and landscape areas



For areas with unstable decking it is recommended that Meyco pipe anchors be used to properly anchor the cover. Pipe anchors are 18" long aluminum tubes with a brass screw-type anchor permanently embedded into one end. Shorter pipes are also available for various deck types. Consult your installer for proper anchoring requirements. Pipe anchors can be installed by pre-drilling a 15/16" to 1" hole into the ground and through loose bricks or patio stones when necessary. Place a block of wood over the top of the pipe anchor assembly (or use a rubber mallet) to gently tamp into place.

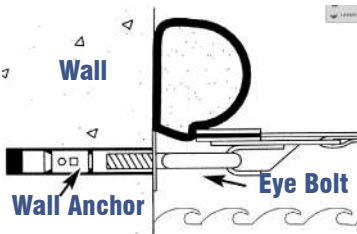
Lawn Stakes - For garden and landscape areas



The aluminum pins are 1/2" round, 18" long, with a head at the top to hold a spring. **Lawn stakes do not provide the same degree of safety as a standard or pipe-anchor assembly and should not be used for more than 20% of the anchoring points around a pool. Lawn stakes should also never be placed at opposite ends of the same strap.**

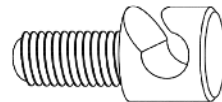
Wall Anchors - For anchoring into vertical areas

When areas of raised decking or rocks do not allow for normal anchoring, wall anchor/ eye-bolt sets may be used to attach a cover directly to a wall. Wall anchors are inserted into a 3/8" hole drilled directly into the raised wall or rock area.

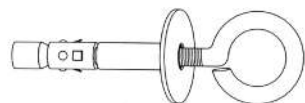


The eye bolt is screwed into the anchor forcing the anchor to expand to a tight fit in the wall. Drill a hole at least 1/2" deeper than the anchor length

- 1 3/4" Anchor, drill 2 1/4" deep
- 2 1/2" Anchor, drill 3" deep
- 4" Anchor, drill 4 1/2" deep
- 5" Anchor, drill 5 1/2" deep
- 6" Anchor, drill 6 1/2" deep



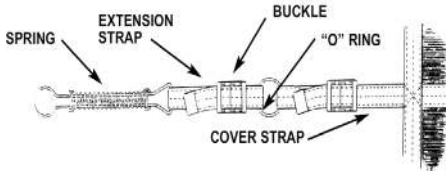
OR



Hardware (continued)

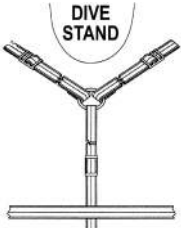
Extension Straps

Extension straps may be used when the standard strap is not long enough to extend across a surface to reach the desired anchor location. Extension straps are available in 4', 6' and 8'. Straps in excess of 8' are not recommended as they could lead to wind whipping and premature wear. Avoid more than 20% of extension straps on a cover.



Yoke Straps Assembly

The "Yoke" or "Y" strap assembly is designed with a split strap that allows the installer to anchor around an obstacle. It is often used to secure a cover around a dive stand that can't be removed.





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