



A Photo Guide to Autocover Pool Options

For Vinyl Liner Pools



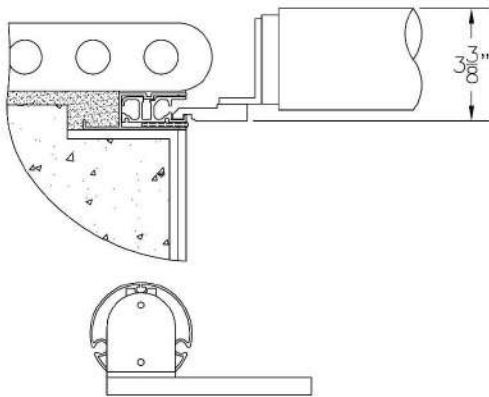
Underguide Vs. Topguide/RHG

Underguide is used in the following applications: Standard & Encapsulated Underguide, Pool-in-Pool, and Extreme Cantilever. It uses a slider and Leading Edge Bar Insert to support the Leading edge Bar directly to the side of the guide. This typically makes the Leading Edge Bar at or below the deck surface. Underguide catches less dirt and needs less cleaning. There are many different encapsulations configurations to allow it to be used with a variety of pool types.

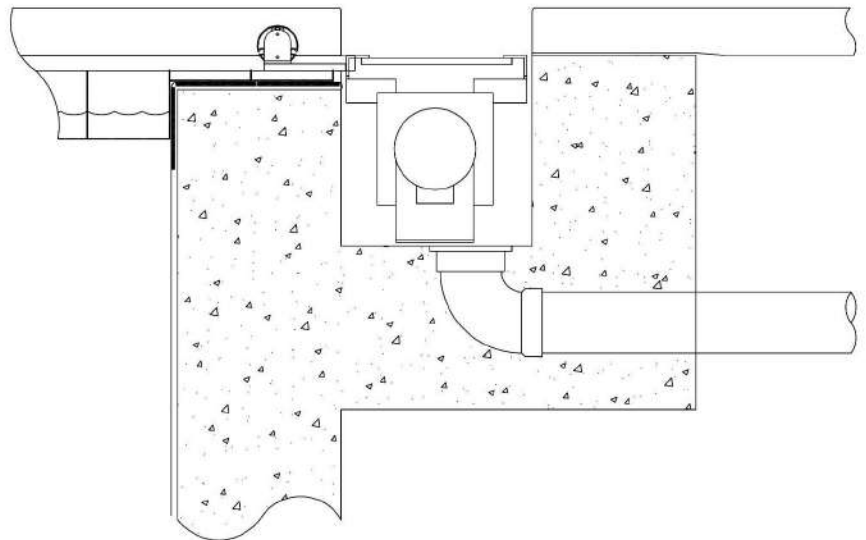
Topguide, Recessed Horizontal Guide, and Screw Down Recessed Horizontal guide are all used to cover existing pools or free form pools and rectangles with free form elements(outside benches and walk out steps). These use a wheel assembly to support the Leading Edge Bar above the deck. This can make the Leading Edge Bar almost 7" above the deck. These guides capture much of the debris on the deck surface and should be cleaned often.

Slider and Leading Edge Bar Insert

Used with: Underguide

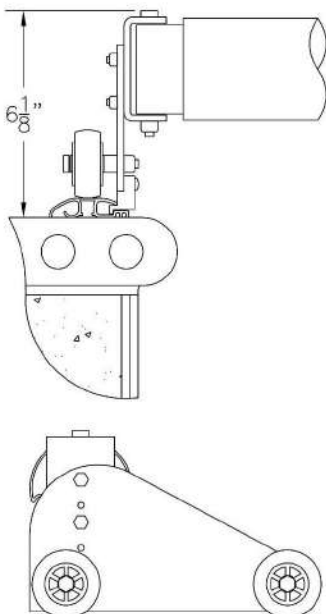


Standard Underguide

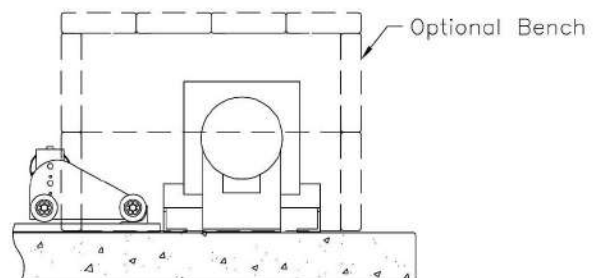


Wheel Assembly

Used with: Topguide
Recessed Horizontal Guide(RHG)
Screw Down RHG



Deckmount Topguide



Recessed Topguide/RHG

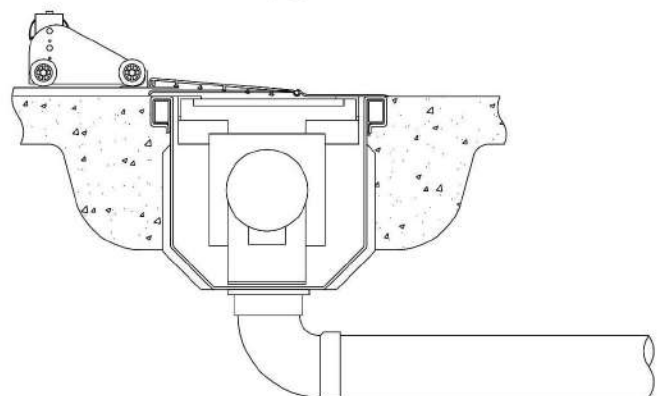


Photo Guide to Autocover Options

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Topguide Application

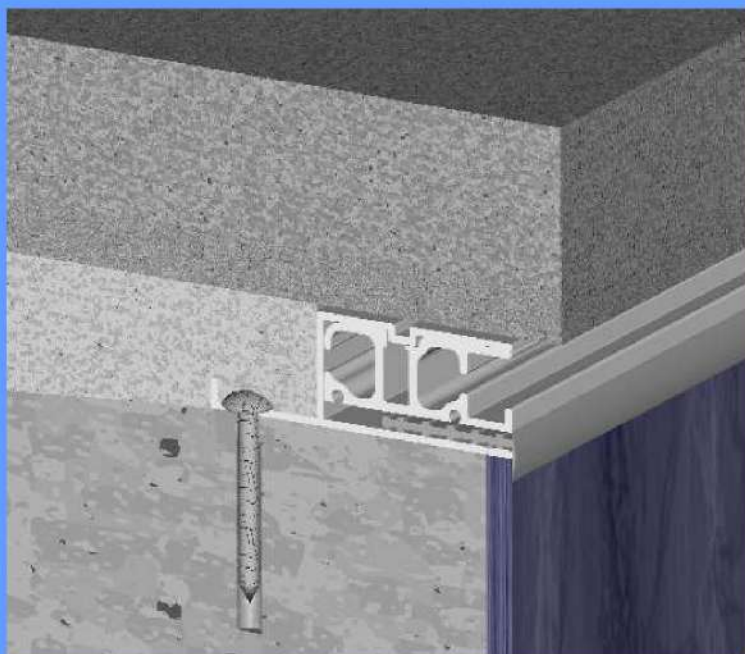
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Underguide Application Options

Underguide Autocovers provide the most integrated and seamless look to your pool. Both the Guides and the Mechanism that moves the cover are located below the deck and coping. Guides are contained in a sleeve called "encapsulation" in the pool wall. Encapsulation is attached to the top of the pool wall, then the coping or decking goes on top of the encapsulation. Coping or deck overhang is typically 1/2 inch and the coping is usually 12 inches wide. Coping can be any thickness. Cantilever deck forms that clip into the encapsulation are also available for forming the edge of the concrete deck along the inside of the pool.



Coping Options

Though the coping options are limitless when using encapsulated guide, some coping is better suited for using the Stone Walk-on Lid option. For matching Walk-on lid stones, choose coping that is at least 2" thick, at least 14" wide and 16" to 48" long. For cantilevered concrete, use our forming system that works with the encapsulation to form a perfect deck edge over the pool.

Coping: Natural/Pre-cast Stone Coping



Limestone Coping



Paver Coping



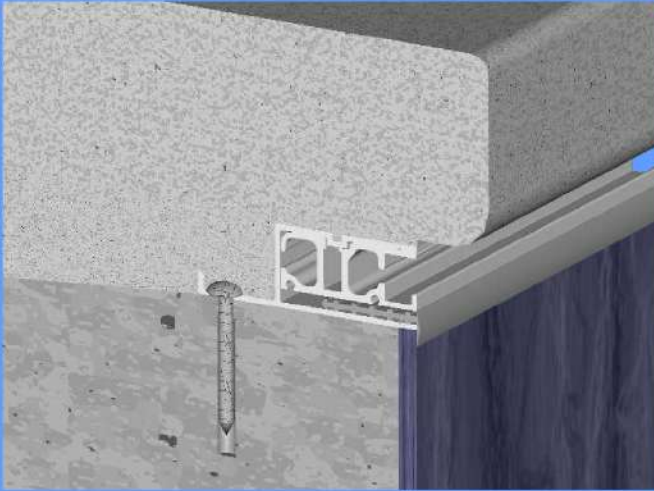
Bluestone Coping



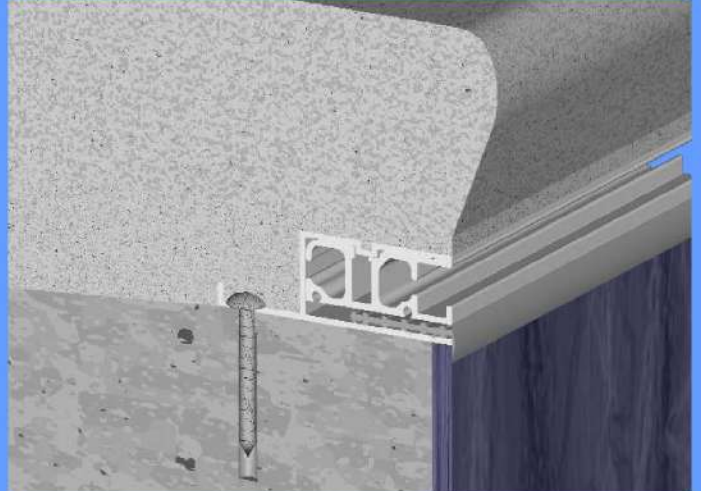
Quartz Coping

Coping: Formed Cantilevered Concrete

Standard cantilever and inclined forming profiles available for encapsulated guide pools.



Standard Cantilever Forming



Inclined Forming



Cantilever: Colored Smooth Concrete



Inclined: Colored Stamped Concrete



Cantilever: Brushed Finish Concrete



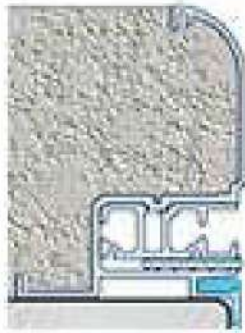
Inclined: Colored and textured Concrete

Coping: Aluminum Coping

Aluminum Coping provides a permanent edge that the concrete deck is poured against. Comes only in painted gray and is only used with concrete decks.



Inclined



Rounded



Bull-nose



Bull-nose Aluminum Coping

Rounded Aluminum Coping

shown with matching
Flush Lid Descender



Encapsulation Corners

Encapsulation corners that match the pool wall panels are used to transition between the liner bead receiver and the Autocover guides.



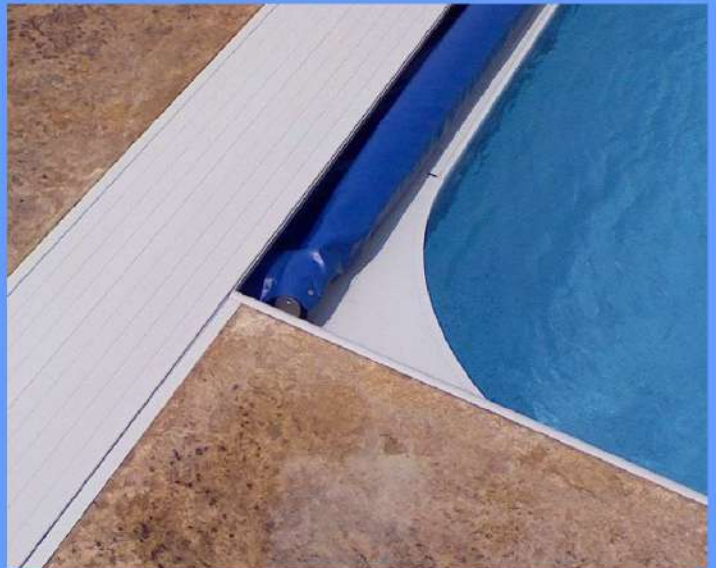
90 Degree Corner



3 inch Chopped Corner



6 inch Radius Corner



2 foot Radius Corner

Cover Housing Lid Options

The cover housing lid covers the opening in the deck where the mechanism rolls up the cover. Not all lids can support the weight of persons walking on the lid. The most basic lid is the Standard Aluminum Lid. The premium aluminum lids are the Flat Aluminum Lid and the Flush Aluminum Lid, both lids can be upgraded to walk-on lids. Stone Walk-on Lids use coping or decking material in conjunction with our Walk-on Lid Bracket system for the most visually appealing cover box lid.

Lids: Standard Aluminum Lid

The Standard Aluminum Lid is a bright clear anodized aluminum lid that is screwed to the top of the deck. It is supported by brackets every 4 to 5 feet. These brackets are designed to support the lid only and cannot support the additional weight of a person walking on the lid. An economic choice best suited to pools that will not have a lot of foot traffic at the cover box end of the pool.



Lids: Flat Aluminum Lid

The Flat Aluminum Lid is a light gray painted aluminum lid that is fastened to the top of the deck with screws that are countersunk. It has a rounded bezel that wraps around the lid. It has an extended hinge range to allow easy access to the cover box. It is supported by brackets every 4 to 5 feet. The standard brackets are designed to support the lid only and cannot support the additional weight of a person walking on the lid. Request walk-on lid brackets to make this a walk-on aluminum lid.



Lids: Flush Aluminum Lid

The Flush Aluminum Lid is a light gray painted aluminum lid that rests in a narrow frame that is flush with the top of the deck. This lid can only be used with concrete decks and is held in place by the concrete. The lid brackets clip into the frame, standard spacing is every 4 to 5 feet. At standard spacing the flush lid brackets support only the lid and cannot support the additional weight of a person walking on the lid. Request additional lid brackets for 2 foot spacing to make this a walk-on lid.



Lids: Walk-on Stone Lid

Walk-on lids use a series of brackets to support coping or deck material over the cover housing where the cover rolls up. This material is typically the same as the coping material used. The lid material cannot be thicker than the coping used, but must be thick enough to support persons on the lid between the brackets with out breaking (typically 2 inches thick for stone). The lid material must be at least 14 inches wide to fill the cover box opening.



Pool-in-Pool Application

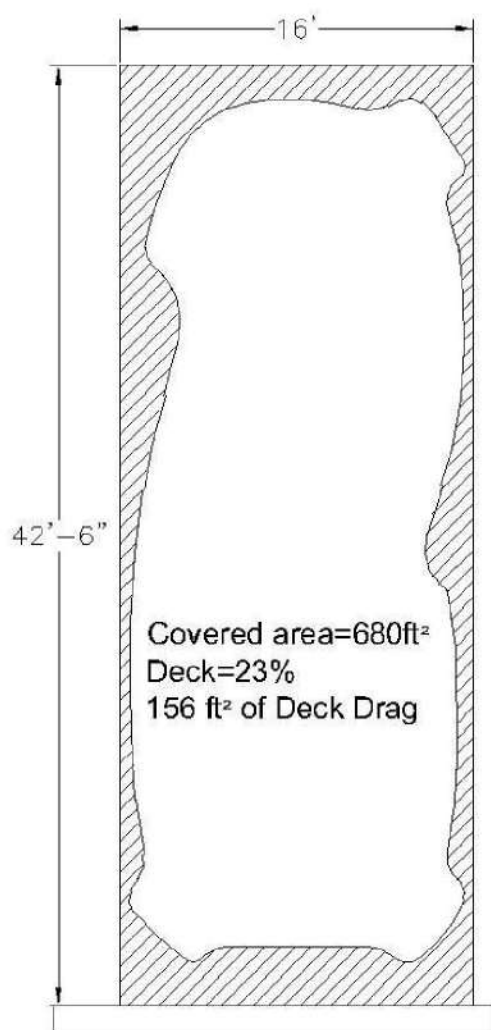
Pool-in-Pool is a hybrid of the Underguide and Topguide applications. It allows the flexibility of free form pool design while retaining the advantages of an underguide system. It uses all the coping and lid options available to underguide systems. The same pool shape and size considerations explained in the Topguide Application section apply to Pool-in-Pool design.



Topguide Application Options

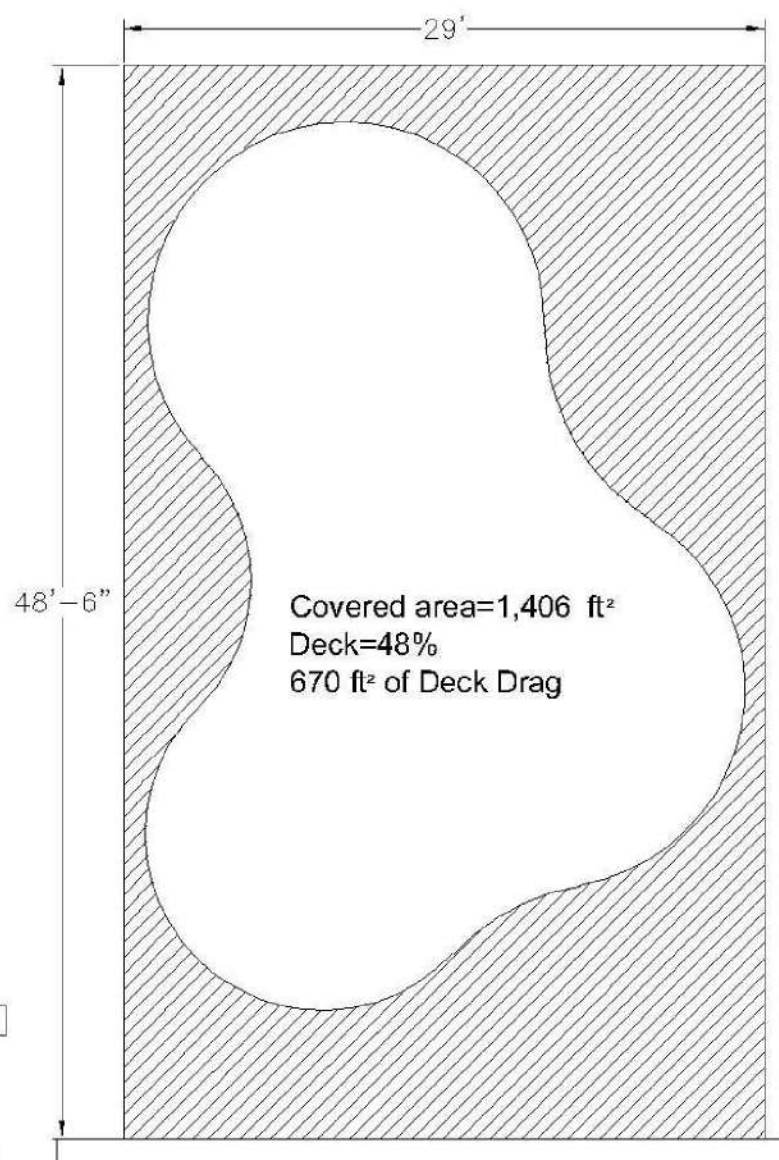
Topguide Autocovers provide the most flexibility for new freeform pool and existing pools. Though the pool may be any shape, the cover is still rectangular and requires guides on either side to pull the cover onto the pool and secure it. Some pool shapes will require very large covers to fully cover the pool. Increasing the size, particularly the width past 25 ft, increases the cost of the cover. Also the amount of deck required around the pool increases. Pools that do not fill the area of the rectangular cover will have more "deck drag". Deck drag is where the cover must be dragged across the deck instead of gliding on the surface of the pool water. When a large area must be covered with a high amount of deck drag, a blower system may be needed to lift the cover off the deck when in operation. It is best to keep the pool shape within a 20x44 rectangle.

Good Fit



Keeping the cover box close to the pool will minimize deck drag

Poor Fit



Guide Options



Standard Topguide

Should not be used on dry laid pavers.
Finish anodized aluminum



Recessed Horizontal Guide

Cannot be used with dry laid paver decks. Must be secured with concrete deck or cemented deck stone.
Tan or Gray painted finish available.



Recessed Horizontal Guide Screw-down

Cannot be used with dry laid paver decks. Requires channel cut or formed in deck.
Finish is anodized aluminum.



Recessed Top Guide Cover Housing Lid Options

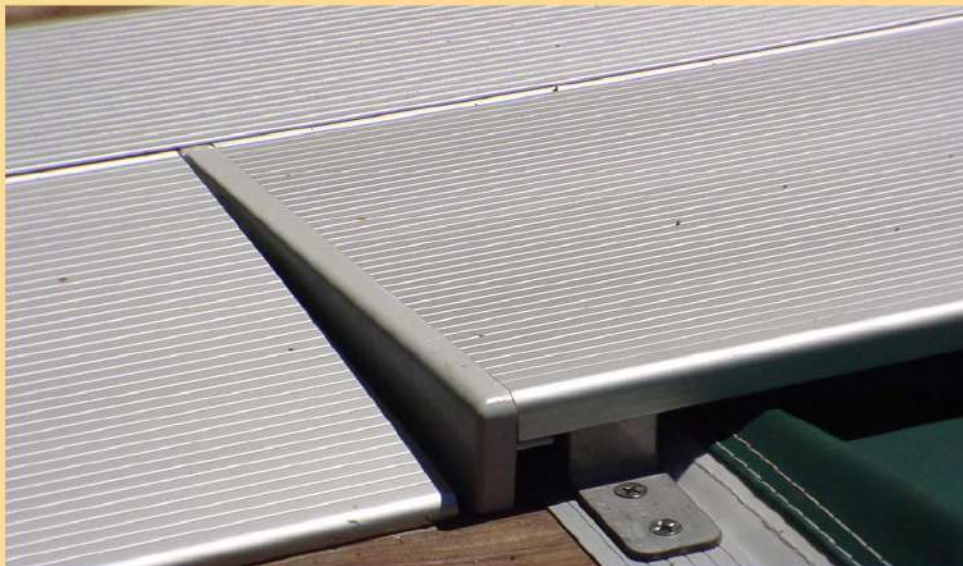
Recessed Topguide have cover guides on top of, or embedded flush with the deck and a Mechanism that is recessed below the deck. The opening for the cover is created by either elevating the front of the lid or by sloping the deck down below the front of the lid.



Raised Lid
(standard)



Sloped Deck



Standard Aluminum Lid



Flat Aluminum Lid



Flush Aluminum Lid

Deckmount Topguide Housing Options

Deckmount Topguides have cover guides on top of the deck and a Mechanism that is also on top of the deck. This is an economical choice for existing pools. Plastic End Housing are available to cover the Mechanism ends of the system or a bench may be built to house the entire system. Neither the system nor the brackets for the bench can be fastened to dry laid pavers. They must be bolted to concrete or pavers/stones that are cemented to a concrete sub-deck.

No Housings



Plastic End Housings



Finished Red Wood Bench Housing



Synthetic Wood Bench Housing

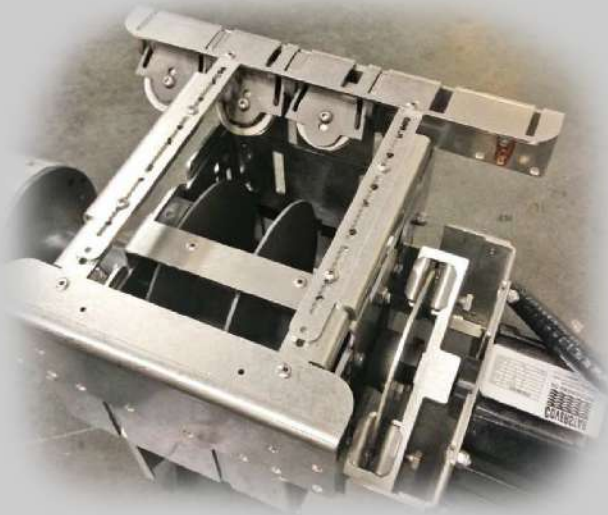


Unfinished Pressure Treated Wood Bench



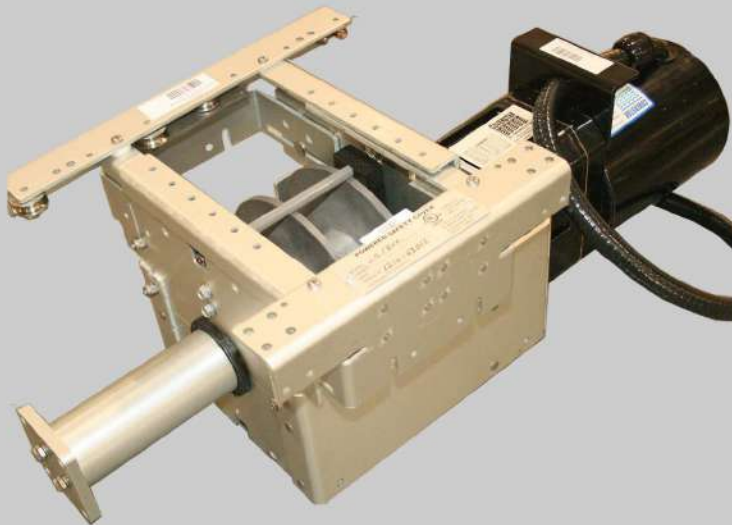
General Options

Mechanism Model



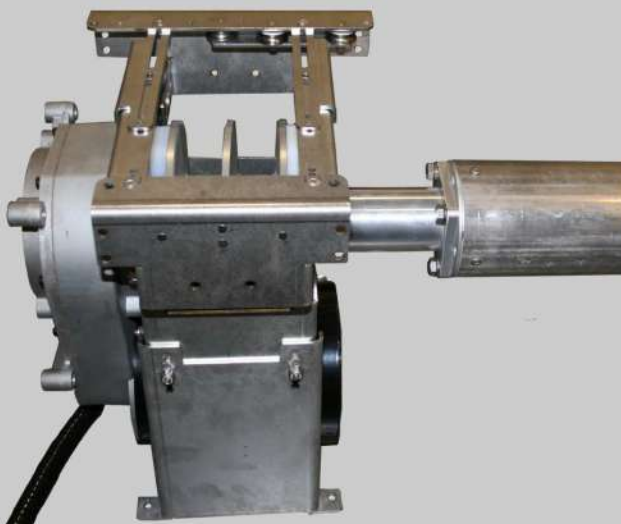
Eclipse

Built with stainless steel for the highest protection from corrosion



CS3000

Built with the industry standard anodized aluminum for corrosion resistance.



CS300 SPA

Built with stainless steel, this mechanism uses over/under stacked motor and reel to reduce space required for the mechanism

Control Switch



Standard Toggle

Not available for
CS300 SPA mechanism



Touchpad



WiFi Touchpad

WiFi connection for cover
status email/txt alerts only

Leading Edge

Loop Leading Edge



Rope Leading Edge



Fabric Color

Coverstar covers are made with exclusive color matched heat-sealed webbing. Darker colors will heat the water more and dirt will be less visible.



Water Feature Shut-off Controller

Water Features can pump water from the pool onto the top of the cover resulting in damage to the cover system. Using a controller can ensure this never happens.



Line Voltage Rotary Limit for directly controlling power to Water feature pumps.



Low Voltage Rotary Limit For controlling relays to Water feature pumps and valves.



Extruded Roll-up Tube

The roll-up tube is in constant contact with the Cover and the water from the pool. The extruded anodized roll-up tube offers the best corrosion resistance and is recommended for salt chlorine generator pools.



Brick Trays

Brick tray provide a surface to which a mason may mortar bricks or pavers to, allowing this decking material to be used with the walk-on lid bracket system.



Hydraulic Power

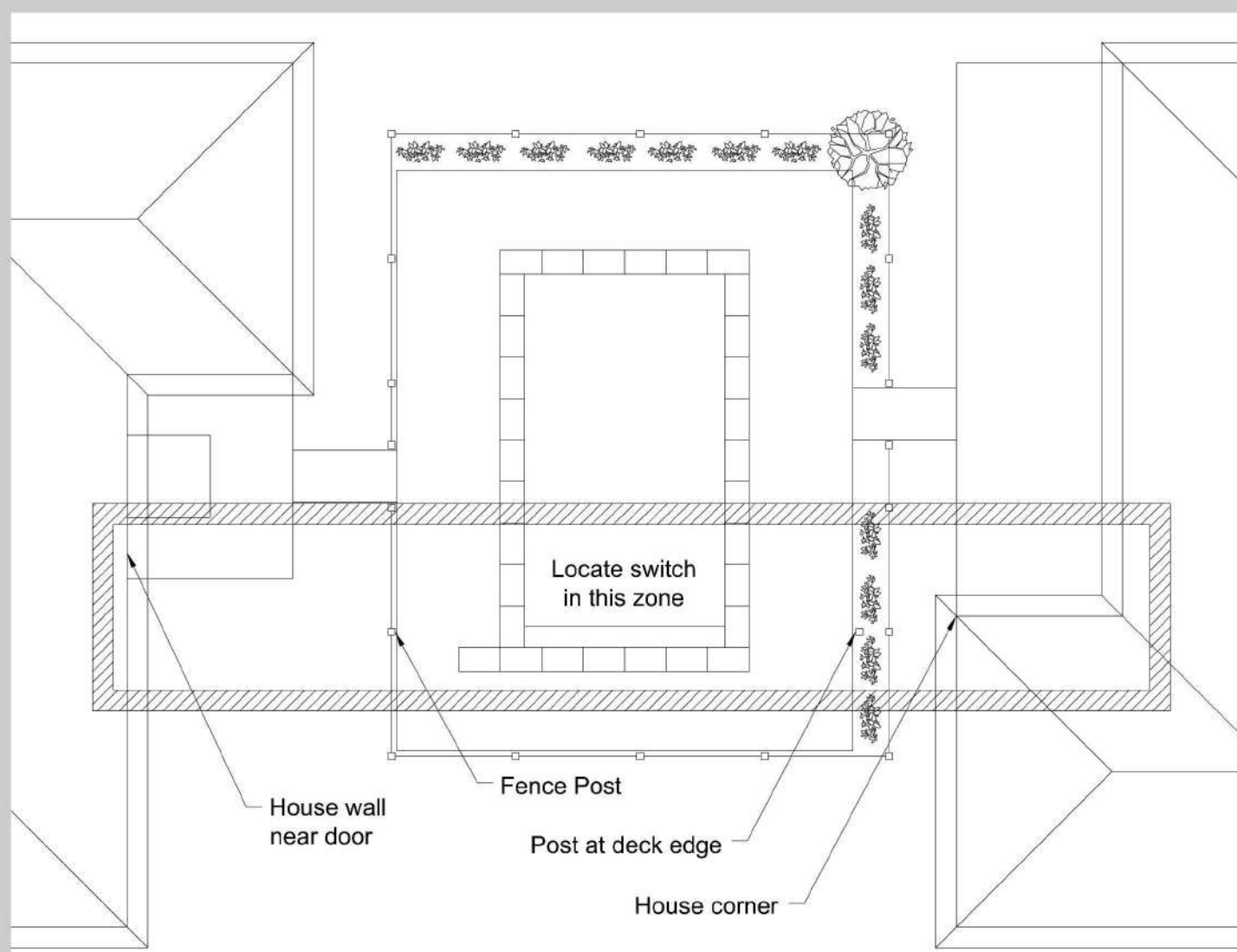
Large heavy covers or other design consideration may require a hydraulic pump and motor to drive the Autocover mechanism.

Motor Side

Motor side is indicated as either "Left" or "Right" and is determined by standing directly behind the cover housing and facing the pool. The housing for the auto-cover mechanism extends 36 inches from the waters edge of the pool on the motor side and 12" on the non-motor side. For many auto cover systems, primary considerations for choosing the motor side will be the layout of the deck, pool entry and exit points and expected foot traffic. Deckmount mechanisms and recessed mechanisms with aluminum lids should have foot traffic directed away from the motor side. Autocover systems with stone walk-on lids are not affected by foot traffic and so deck layout, property line easements and electrical routing is usually considered.

Switch Location

Safety and reliability need to be the primary factors for choosing a switch location. The switch should also be in a convenient location to facilitate regular use, but not at the expense of safety. The switch must be located where the entire surface of the pool is visible to the operator. The operator should visually verify the auto-cover is in proper working order before fully operating the auto-cover. This is done best when the switch is located near the cover housing end of the pool. It is recommended that the switch be no more than 30 feet from the pool. The switch should never be located inside the home or other building unless the pool is indoor, then the switch must be in the same room. See diagram below for switch locating guidance.



Cover Housing Drain

Underguide and Recessed Topguide systems have motorized mechanism in cover housings below the surface of the deck that must not be flooded. Cover housing drainage should be considered in the planning stages of the pool project to ensure it is done correctly and works with the landscaping. The most reliable drainage method is the drain to "daylight" or "open air". If the site topography has no significant slope, the finished pool height should be elevated 24 inches above the surrounding grade to allow for a daylight drain. Even a very long daylight drain run is better than any other drainage method. Draining to whole property storm-water detention system is also acceptable. The minimum drain diameter is 3 inches, but size and number of drains should increase with the pool size. If it is not possible to drain to daylight, an adequately sized dry-well or pump out pit must be used. **DO NOT** use "french drains" where the drain end is buried in a hole with gravel. These types of drains typically fail within a year. Soil may have poor drainage or become saturated in heavy rains. Even the largest gravel pit will not work when silt and debris clog the end of the drain. An accessible dry-well can be cleaned out and accommodate a sump pump. If the cover housing will also function as the pool overflow drain, it must be able to handle a forgotten hose or rainfall for the whole pool.

Daylight or Open Air Drain



Dry-well Drain











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Bridger Kempton