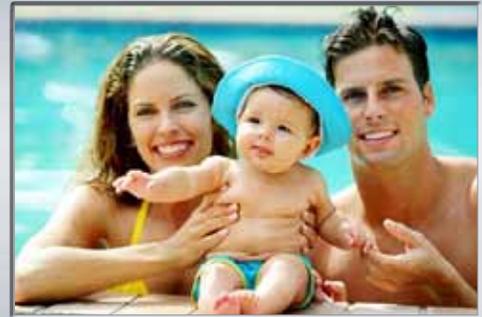


Engineered Reliable.

The Eclipse™ automatic safety cover has been engineered over many years to dramatically reduce service and increase your peace of mind. Not all safety covers are the same. Compare these reliability features with others in the industry:



Motor

The motor's hardened stainless steel shaft and oil bathed gears eliminate motor problems. It's also sealed against water and potted by the original motor manufacturer and can operate even when completely submerged.

- ▶ Other less reliable means of water protection could mean an expensive motor repair.



ECLIPSE™ 2"

Standard 1"

Stainless Steel Pulleys

2" stainless steel, double row, rope pulleys provide five times the load bearing capacity of commonly used pulleys for uncommonly long life; reduces strain on the roll-up mechanism, and greatly reduces rope wear.

- ▶ Standard 1" pulleys wear out more easily, causing ropes to break, uneven operation and faster rope wear.



Guides & Sliders

Heavy duty sliders are the strongest in the industry. An extra slide channel prevents binding and stress that wears on the mechanism.

- ▶ Sliders without these features can bind in the guides, causing a jerky motion of the cover in operation and causing early failure.



Stainless Steel Mechanism

The stainless steel mechanism frame stands up to the harsh pool environment where water and pool chemicals can cause corrosion.

- ▶ Other cover system mechanism frames are made of materials that corrode and may create service problems.

Wheel Assembly

The hybrid design wheel assembly (Topguide) reduces stress by rolling on top of the guide. Sliders attached to the wheel assembly provide accurate and smooth tracking from end to end.

- ▶ Other wheel assembly designs can jam and create enough stress to break system components or tear the corners of the fabric.



Stainless Steel Guide Feed

The guide feed on the end of the cover guides prevent the ropes from snagging and tearing the cover. Because they are made from stainless steel, they last forever.

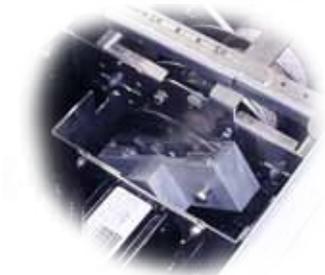
- ▶ Other systems use plastic guide feeds that can wear out quickly and cause the cover to come out of the guide and fall to the bottom of the pool.



Adjustable Torque Limiter

A mechanical torque limiter protects the motorized mechanism from too much stress. The disc brake design is reliable and easy to adjust if needed.

- ▶ Other automatic covers often use an electronic torque limiter that can fail in the harsh pool environment.



Rope

Incredibly strong proprietary high tech, non-stretch, non-shrink 4,000 lb. break strength rope eliminates most broken ropes.

- ▶ Standard ropes cannot hold up to this application.



Coverstar
ECLIPSE™
Automatic Safety Cover

Durability covered.

UltraGard III™ Fabric is incredibly strong and durable. An advanced vinyl formulation and superior fabrication methods make it top of the line. No other automatic safety cover manufacturer offers these exclusive features.



UltraGard III™ Safety Fabric

The UltraGard III safety fabric blends a unique combination of materials and construction resulting in the highest quality pool cover fabric available today. Tested and proven for more than 25 years, this specially formulated heavy duty vinyl fabric provides optimal ultra-violet, chemical and mildew resistance. Superior fabric strength, tear resistance, and abrasion resistance are enhanced through the extruded coating process and closed polyester weave. To ensure exceptional product performance, accept nothing less than the UltraGard III.

Heat Sealed Webbing

Most automatic safety pool cover manufacturers wrap webbing material around rope and sew it to the cover. With this attachment method the webbings often fail before the fabric does. (see photo, far right). To solve this problem we invented and patented a process whereby the rope is replaced with a flexible polymer bead and the webbing is heat seal bonded to the cover fabric in one step. This patented process is a substantial improvement over the common webbing attachment method and provides substantially longer webbing life and improved operation of the cover.



Webbing Wear Comparison



- ◆ In a special patented process, the cover webbing is heat sealed around a polymer bead and welded to the cover fabric in one step. This process melts the webbing, polymer bead and cover into one piece. High denier material and the bonding process make this heat sealed webbing up to **15 times stronger** than a standard sewn webbing.
- ◆ Because the polymer bead is fused to the webbing, it does not stretch and pucker like a sewn webbing with wear points that shorten webbing life (see photo at right).
- ◆ Color matched webbings are an aesthetically pleasing option and are even longer lasting than white webbing due to color pigments that reduce UV light exposure to the fabric.

- ◆ A standard sewn webbing is wrapped around rope and then webbing is sewn closely to the rope and the cover. Over time, because the rope is not bonded to the webbing, it moves back and forth in its sleeve which creates puckering when the cover is retracted onto the roll-up tube. Over time, these puckers wear against the aluminum tracks and wear out the webbing fabric (see above).
- ◆ Pucker points can catch as they feed into the tracks causing cover system lurching, webbing tearing, and stress on the roll-up mechanism.
- ◆ White webbings have little UV protection and can degrade more quickly than the cover fabric.