

Studio Star Shapes and Configurations

Type R, Type SI, Type SIG, Type GR and **Type GS** Studio Star shutters are shaped shutters that are symmetrical in design and are pulled in the very center of the shutter. The cord will be slightly visible on these style shutters. It is very important to measure the vertical sides and give exact measurements for highest point in the center. A drawing should be submitted with each Studio Star order.

Type R shutters are very common in the American market and it is important when ordering to have the correct dimensions for the top arch sill angle. The arch is either a true half circle or an ellipse. If it is a true half circle the radius is 1/2 the shutters overall width and fairly easy to measure. If the arch is elliptical you need to take stepped measurements across the width at consistent intervals to determine the radius. We plot these measurements on our CAD system to determine the arc of the sill and the radius center point location for manufacturing.

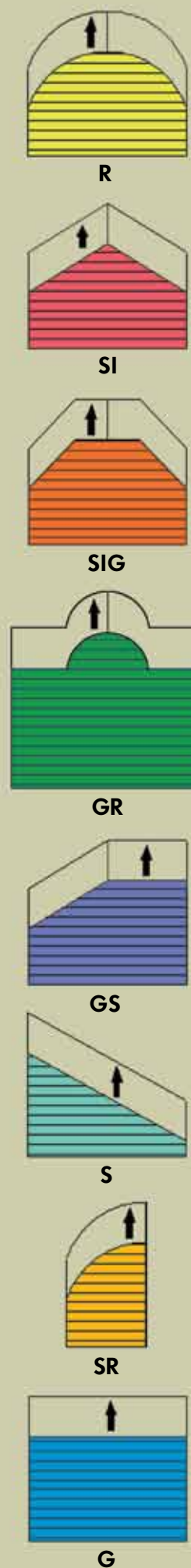


Asymmetrical shutters **Type S** and **Type SR** are commonly found on classic chalet style architecture and the modern design styles prevalent throughout this country. Shutters in these shapes are pulled from the highest point and the cord is concealed within the guide rails.

When taking measurements for these shutters always determine the vertical heights of each side and the highest points and we will automatically calculate the angles and cut measurements necessary to totally enclose that opening. Motor locations will always be on the shortest height side of this shutter series.

Type G shutters are rectangular shutters that are operated from the bottom. These shutters should be measured as normal shutters and the housing size can be determined by the standard RCE40mm Profile Housing Chart.

Type G shutters are commonly used when there is not ample space above an opening for a normal shutter housing or when they will be placed next to other Studio Star shutters in order to maintain a consistent appearance. The cord is concealed on Type G shutters allowing for an unobstructed view.



Ask about our other products:

Alu Star Shutter System

The Alu Star Shutter system is Alutech United's traditional rolling shutter that protects rectangular openings such as windows and doors. The Alu Star is quickly becoming the industry standard and the preferred brand of shutter for dealers throughout North America and the Caribbean. Alu Star shutters can be operated manually or automatically with the addition of a tubular motor.

Alu Star shutters come in 6 standard colors and can be constructed with roll formed foam filled slats or extruded aluminum slat profiles. Shutter widths, heights and local building codes determine which slat is required and the end user determines the method of operation. Each shutter is individually built to required dimensions from imported and domestic long foot materials. Alu Star shutter systems provide hurricane protection, sun control, noise control, energy savings and security all in one simple product.



Zip Tex Motorized Sun and Insect Screens



Zip Tex Screen Systems are ideal screen options for garages, but can also be used as an alternative to pool cages or fixed screen panels. The greatest feature of our motorized screens is that you can have a screen room when you want it and roll the screens up when you don't! They work particularly well in the transition area of your home. Save money over costly pool cages by avoiding new building codes and restrictions and separate insurance policies. Every Zip Tex Screen is built to order and customized to fit your needs.

Contact your local Authorized Alutech Dealer:

Alutech United, Inc.
117 Dixon Street
Selbyville, DE 19975

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302-436-5100 Fax

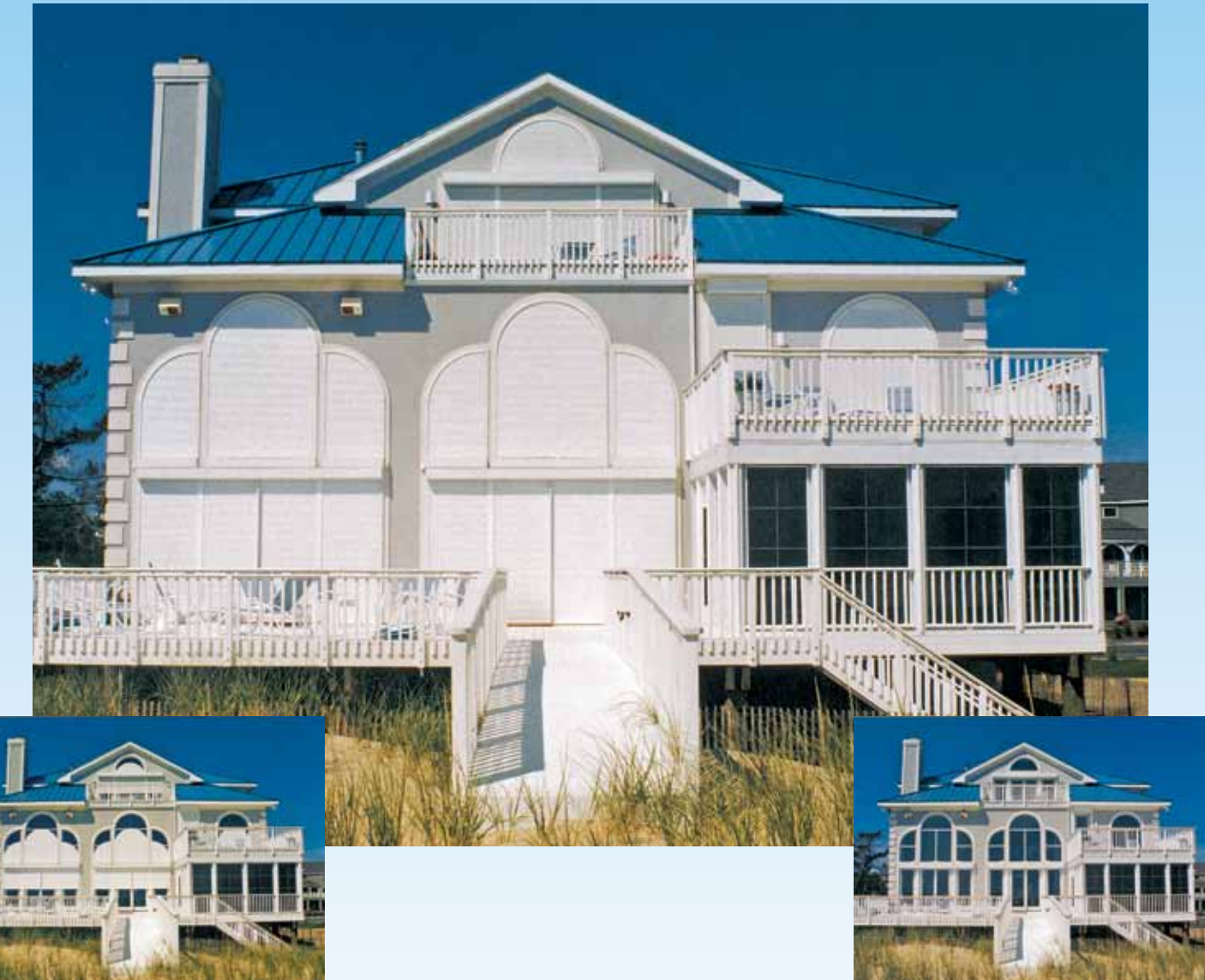
800-233-1144
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Alutech United, Inc.
1537 Northgate Blvd.
Sarasota, FL 34234

941-355-0970
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ALUTECH

Studio Star Roll Shutter Systems



The only roll shutter system that covers shaped openings.

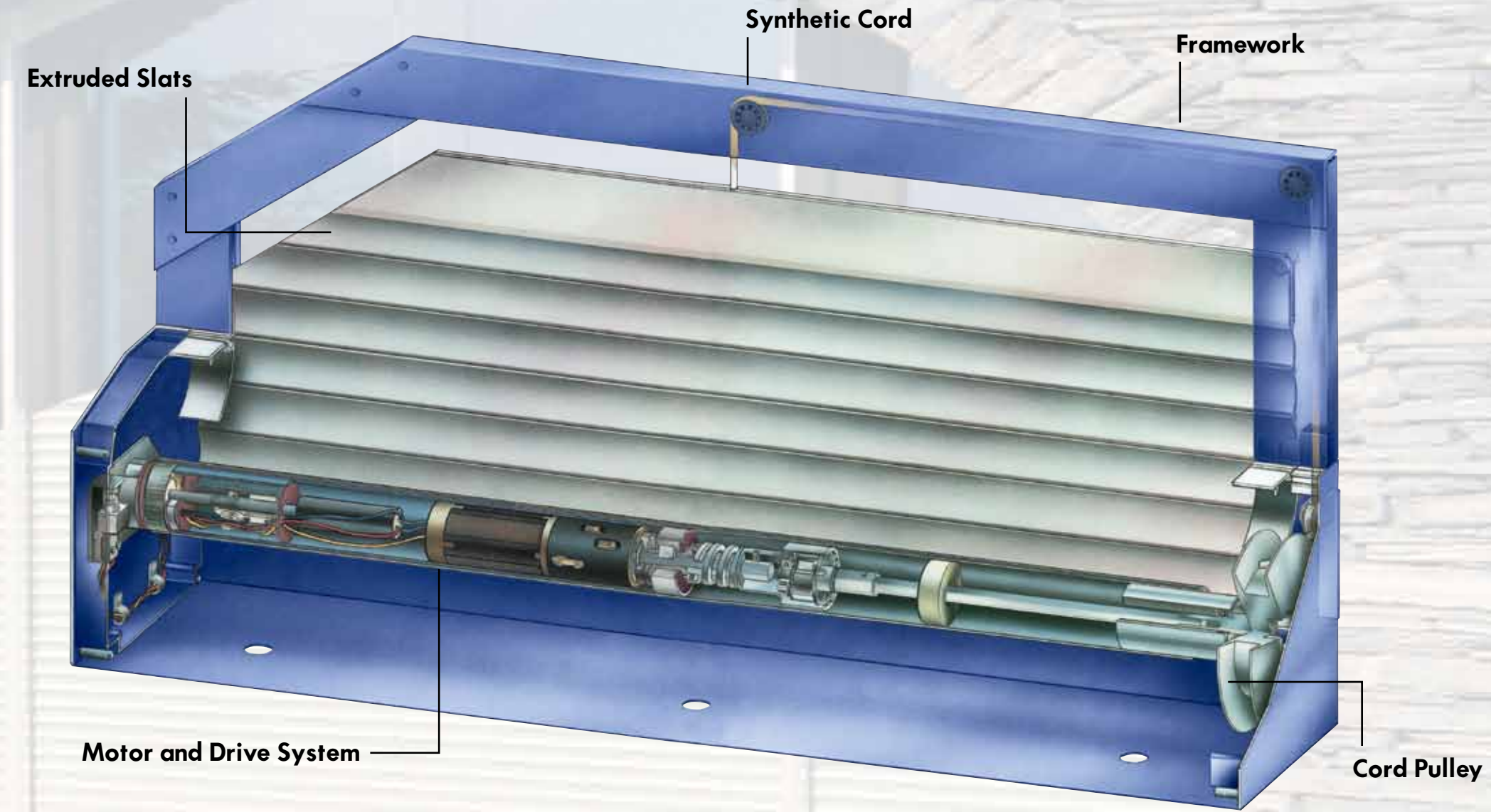
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UNITED, INC. 



Studio Star Construction and Benefits

The Studio Star Shutter system is the most unique shutter system manufactured in the world. The technology and engineering that goes into each shutter has been tested and developed over the last 35 years throughout this continent and all of Europe. All of the special components have been designed specifically for this shutter system including the drive mechanism and the slat extrusions. Sidelocker technology had to be engineered to maintain curtain stability and continuously hold the true shape of the shutter.

With the Studio Star system, every homeowner can now protect every opening from the elements with a rolling shutter product. Arch-topped windows, trapezoidal shaped windows, and even rectangular openings with little room at the top for a normal shutter housing can all be covered to give the home a uniform appearance.



A Studio Star is Born

Alutech founder, Hans Schanz, wanted to manufacture a shutter system that would work to cover the ever increasing demand for non-rectangular shaped windows. After several attempts the first Studio Star shutter was manufactured and installed in 1974 and is still in operation today. Manufacturing a shutter that works against gravity is not an easy task. Very few components from regular shutters can be used due to the extreme force factors that the shutter must overcome. Motors had to be modified, new slat designs created, innovations in locking systems and an upside down view of the shutter world were necessary to come up with the totally unique Studio Star shutter system.

The main consideration when specifying Rolling Shutters for a home or office complex is to keep the shutters from intruding on the intended "architectural flow" of the building. The Studio Star Shutter System allows you to keep the architecturally designed beauty and layout of your building and still give your investment the protection it deserves. All Studio Star shutters are manufactured from double walled extruded slat profiles that have passed Florida Building Code test requirements and are rated for at least 140 m.p.h. wind loads. Now even those impossible shaped openings can be covered and give your home the full benefits and security offered by Rolling Shutters.

German motors and parts engineering have been coupled with American ingenuity and International Building Code requirements to give rise to the hurricane rated, Alutech Studio Star System. All shutters are designed and manufactured with the home or business owner in mind; they offer peace of mind during the worst possible weather conditions, secure the premises while vacated and increase the overall value of the property.

Extruded Slat Profiles

The Alutech Studio Star Shutter System has been derived from its German predecessor and adapted to fit the needs of the American Marketplace. By using the RCE40 extruded double walled slat profile, we give the customer Hurricane Protection along with sun control, noise reduction and security. The RCE40 slat profile has been tested to withstand Hurricane force winds and has several building code approvals.

Engineered Motor and Drive System

Motors are adapted with brake and free wheel clutch mechanisms to fight the forces of gravity and deliver protection to even the oddest shaped openings. The free wheel clutch and brake components actually allows the cord to lift the curtain away from the axle at the same rate the motor engages the cord pulley. All of these different operations are synchronized in order to make the system work properly. Torque limits are included in the motor that stops the shutters operation when faced with a blockage or obstruction. This eliminates damage and the need for costly service calls.

Specialized Pulley System

The motor is connected to the cord pulley via a hex rod that actually pulls the curtain closed. All shutters are pulled at the highest point of the curtain and framework. Shutters that are pulled in the center will have a slightly visible cord within the opening while asymmetrical shutters that are pulled on one end will have a totally hidden cord. Larger shutters require "double-pull" configurations based on a block and tackle system that allow the motor to lift heavier loads than a single pulley configuration.

Custom Framework

All Studio Star framework is custom made to each specific opening. An arch top shutter will come complete with an arched sill angle that is mechanically bent to exactly match the radius of the opening. Every Studio Star shutter is custom designed by our in-house CAD department and full manufacturing details are then given to production. Each and every shutter is installed and tested on our test wall before shipping to ensure the shutter operates correctly, all dimensions are correct, and that the mechanical limits are set properly.

Synthetic Fiber Cord

The synthetic fiber cord gives both strength and flexibility that is required for Studio Star shutters. The thin cord measuring less than 3/16" has a phenomenal breaking strength and the synthetic qualities gives it weather resistance not commonly found in natural fibers. It is very similar to a parachute cord with even greater strength. Early models of Studio Star shutters were made with metal cords but failed due to the constant bending and turning motions the cord has to endure.

