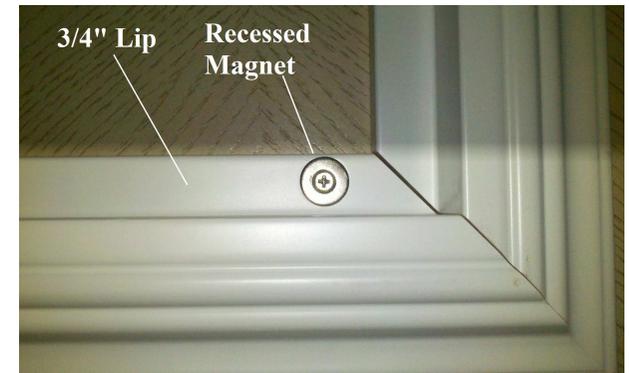


1-2) Hidden, recessed magnets and 3/4" Frame Lip

We adopt the use of hidden, recessed magnets that allow our shutter panels to close tightly while also providing a clean and streamlined appearance. Onyx's 3/4" Lip of the frame is quite larger and blocks more light than the competitions 1/4" lip.



3) Tension adjustment screw

The addition of a tension screw system in every shutter panel assures that whether the shutter is brand new or decades old. It will never become too tight or too loose to operate properly. By the slight turn of a screw inside the stile, the louver tension is either increased and decreased.

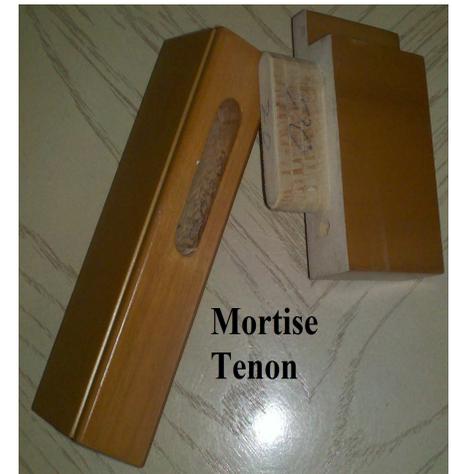
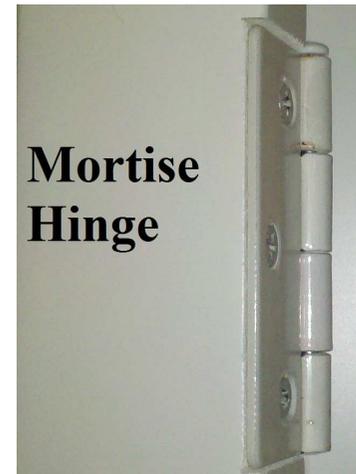
4) Stainless steel staples

One of the most tiresome experiences of shutter owner is staple failure. We use extra-long stainless steel staples in the louvers and tilt-rod to ensure that they do not pull out. The stainless steel staple is resistant to corrosion and temperature changes, which assures that the staples will hold for the life of the shutter panel.

5) Mortise and Tenon Joints for Strength

The industry standard for the joinery of stiles and rails are relying on either glued dowels or screw joints. These will eventually work loose as sold at local home improvement centers.

Mortise & Tenon joints are designed to allow for maximum glue surface area to withstand shear and racking stress and to ensure the safety of our customers. This joinery has been used for centuries in demanding furniture and building construction because of their combination of superior strength and simplicity.



6) Mortise hinges

Mortised hinges are important to achieve a tight fit within your window opening. Without a mortised panel, a gap appears on the hanging side that allows light to break between the panel and selected frame.

Basic material, construction and finish are elements of quality in any hinge. A good hinge should have at least 4 knuckle joints for better load distribution and smoother, quieter action. Pivot hinges should have firmly riveted joint pins.

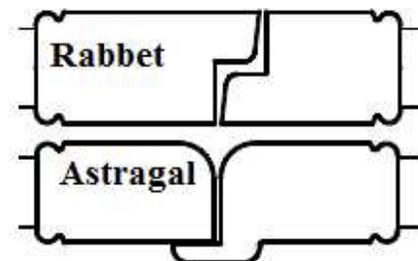
The material from which the hinges are made should be sufficiently heavy to prevent sagging and should be resistant to normal moisture.

7) Multiple sequences hand sand & PU (polyurethane) finish

We perform multiple sequences of sanding with fine sandpaper and coating with high-quality stain or paint. The PU (polyurethane) finish produces the characteristics of: hardness, strength, UV-resistance, water-resistance and color retention.

8) Hoffman Key

This Hoffman key used throughout the furniture manufacturing has been adopted for shutters to allow tight Frame seams for installation.



9) Astragal

An Astragal is used to overlap when 2 panels meet in the middle and a Rabbet is used on bi-fold panels. The Astragal blocks out more light not found with majority of Shutter Manufacturers.

