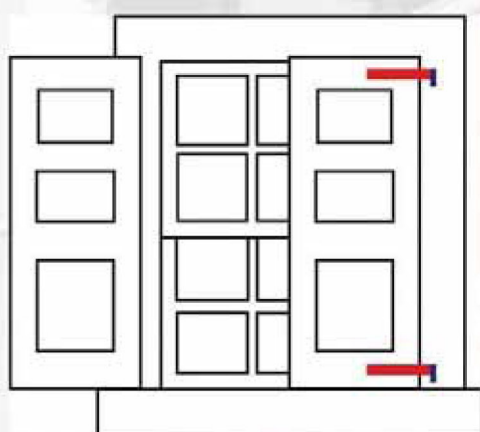


Shutter Hardware Installation Details

John Wright Hardware

STRAP HINGES offer strength and versatility of mounting. They consist of two parts: a strap with a gudgeon (circular fitting) that mounts to the shutter and a pintle (pin fitting) that mounts to the house. A typical installation is shown to the right with the hinge in red and the pintle in blue. For especially large or heavy shutters, sometimes three hinges are used per shutter. John Wright's strap hinges come with a cast iron pintle that is mounted with screws to a wood surface. An optional lag screw pintle is available and can be installed in wood or masonry. See "Lag Mounting" below for more details.



OFFSET is the distance between where the hinge mounts and where the pivoting action takes place. Both the hinge and pintle have offset. The offset for the hinge and pintle are usually, but do not have to be, the same. The offset of 1 3/8 inches for a strap hinge is shown to the right.



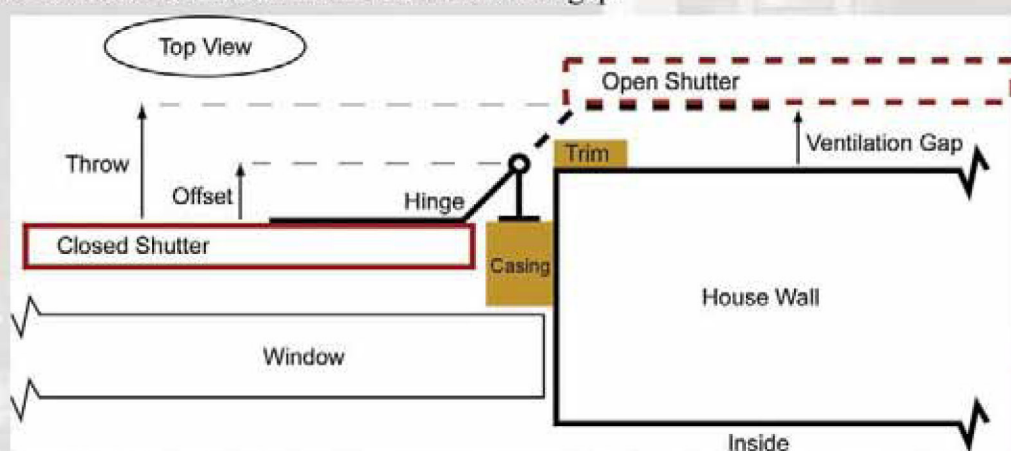
THROW is the sum of the offsets of the hinge and the mounting hardware. Normally, the throw is just twice the offset of the hinge.



The throw of a strap hinge and pintle mount is shown to the left. Throw is measured with the hinge in the open position.

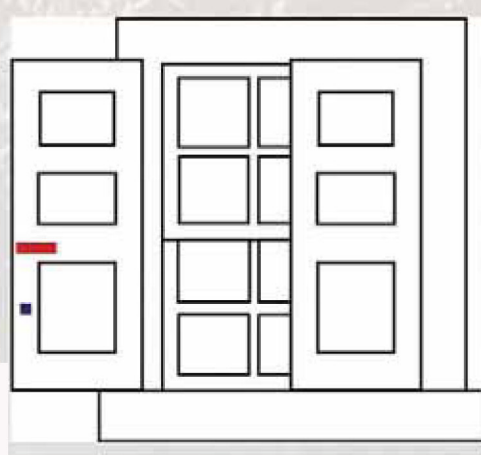
Throw matters because it allows shutters to swing clear of an exterior wall or trim that sticks out past the window casing or other mounting location. The figure at the bottom shows a top view of this situation. Here, the throw of the hinge allows the shutter to swing clear of the trim and allow a gap for air flow and ventilation between the house wall and the shutter in the open position. A ventilation gap of at least 1/2 an inch is recommended. Throw concepts apply to all types of hinges.

To find your minimum required throw, measure the distance from where the hinge will mount to the house to the outermost face of any trim or casing. Remember to add at least 1/2 an inch for a ventilation gap.



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SLIDE BOLTS are traditionally used to hold pairs of shutters in the closed position. As shown to the right, they are mounted on the inside of the shutters (red). Mounting position must allow the bolt to be reached from inside the home through the window opening. This will usually require mounting the bolt on the lower one half of the shutter. Slide bolts have two halves: the bolt and the catch. The bolt mounts to one shutter and the catch mounts to the other. Pull rings are helpful to make using slide bolts much easier. Pull rings allow the shutters to be easily pulled and held closed so the slide bolt can be slid into the catch and latched. Pull rings are usually mounted somewhere below the slide bolt (blue).



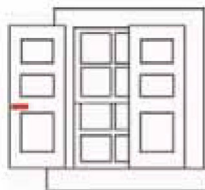
12" HURRICANE SLIDE BOLT

WeatherWright

Slides bolts are a traditional way to hold shutters closed.



John Wright combines modern high-quality finishes with the strength and traditional look and feel of cast iron. Slide bolts are mounted on the inside of the shutters and positioned to be reached from inside the home through the window opening. They have two halves: the bolt and the catch. The bolt mounts to one shutter and the catch mounts to the other. The bolt engages the catch, locking the shutters closed and together.



- Sold in individually and include screws for mounting
- Sliding bolt uses anti-rattle spring for reduced noise in windy conditions
- Sliding bolt is easily field-removable to allow painting of custom colors
- Material: cast iron, 3/16" thick, with steel screws
- Finish: WeatherWright™ coating process. This multi-step coating provides long life in outdoor environments while offering excellent value. It including both zinc electroplating and black-matte TGIC powder coating. Zinc plating provides far more protection than powder coating alone. The zinc layer is not only abrasion resistant but offers cathodic protection to small areas of powder coating that may be accidentally damaged during installation. Tested to withstand a minimum of 144 hours of salt spray with no visible red-rust corrosion. All fasteners and hardware meet this same standard.
- Warranty: 1-year replacement

Installation

1. Close both shutters. Secure them closed with tape, a wood block, or have a helper hold them.
2. From inside, open the window and position the bolt on one shutter and the catch on the other shutter, with the slide bolt engaging the catch. The edges of the bolt or catch should not stick out past the edge of the shutters. The slide assembly should be readily accessible from inside but also as close to the vertical middle of the shutter as possible. Make sure the slide is level and mark the locations of the screw holes. Note that the slide can be installed before the shutters are hung or the shutters can also be removed for installation.
3. Drill 1/16" pilot holes at the locations you marked. Screw the bolt and catch to the shutters and test the operation.

Contents and Dimensions

- (1) bolt
 - (1) catch
 - (10) No. 6 by 1" long Phillips-head screws*
 - (10) No. 6 by 1" long slotted-head screws*
- * Use either screw type depending on desired appearance. Slotted screws provide the most traditional look.

