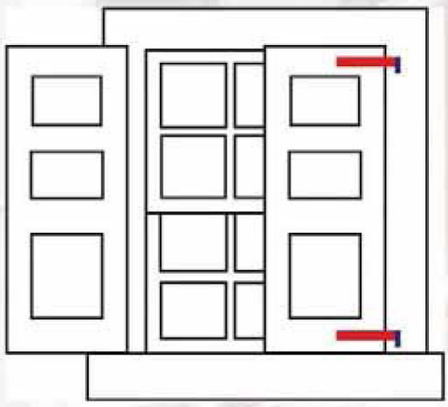
Shutter Hardware Installation Details

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.

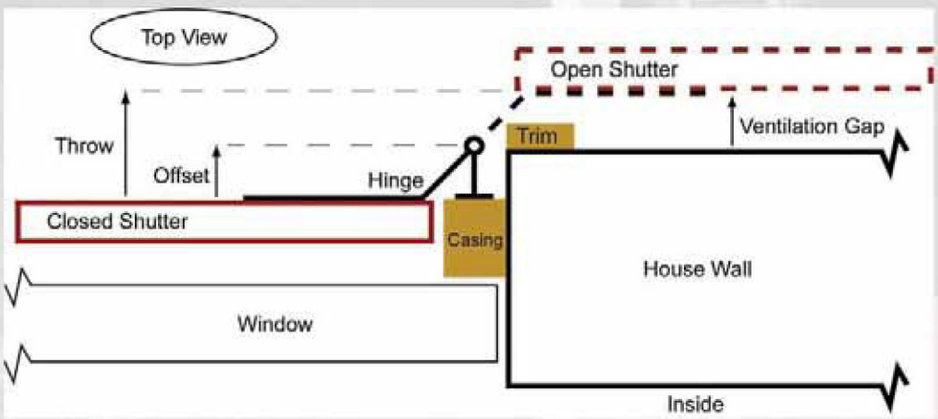


Offset is the distance between where the hinge mounts and where the pivoting action takes place. Both the hinge and pintle have offset. The offset for the hinge and pintle are usually, but do not have to be, the same. The offset of 1⅜ inches for a strap hinge is shown to the right.

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 ½ an inch is recommended. <u>Throw concepts apply to all types of hinges.</u>

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 ½ an inch for a ventilation gap.



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).