

ACME, LULL & PORTER SHUTTER HINGES 88-372 to 378PCR

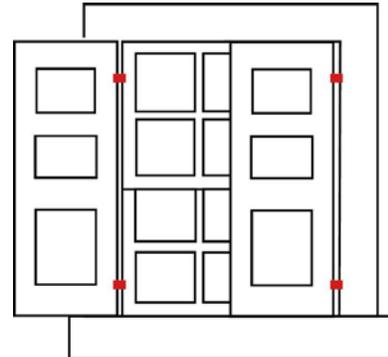


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ALP hinges are edge-mounted and mortised and traditionally used for shutters. They allow easy removal of the shutters.

John Wright combines modern high-quality finishes with the strength and traditional look and feel of cast iron. Acme, Lull & Porter (ALP) Shutter Hinges are mortised into the edge of the shutter and window casing. They use a once-patented design that helps to lock the hinge in the open position. The shutter is lifted up slightly to disengage the hinge and allow closure. The shutter can also be removed completely without tools. ALP hinges work in left- and right-handed pairs and are so marked. Each hinge has two halves: one with a pintle and another with a gudgeon. The pintle half is mounted to the window with the pintle pointing up. Offset is measured from the casing or shutter edge to the center of the pin.

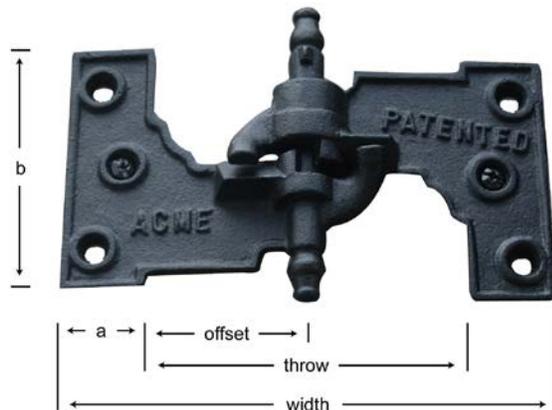


- Sets of 2 left- and 2 right-hand hinges, shutter fasteners, and all mounting hardware.
- Cast iron with WeatherWright™ coating process for long life in harsh outdoor environments.
- Warranty: 1-year replacement

#	Throw	Offset	Width	a	b
88-372	1 3/8	11/16	3 1/8	7/8	2 1/2
88-373	2	1	3 3/4	7/8	2 1/2
88-374	2 3/4	1 3/8	4 1/2	15/16	2 7/8
88-375	3 1/8	1 9/16	5	15/16	3
88-376	3 5/8	1 13/16	5 1/2	1	3 1/8
88-377	4 1/4	2 1/8	6 1/2	1 1/8	3 1/2
88-378	5 1/2	2 3/4	9	1 1/2	4

Installation

1. The selection of the proper size of ALP hinge will depend on amount of throw that you need, the amount of wood trim that is available for mounting, and the size of the shutters. If needed, please see our catalog for a detailed discussion of throw concepts. The amount of wood trim (depth out from window opening) must be greater than or equal to dimension "a" as shown below.
2. ALP hinges are left- and right-handed and both halves are marked with an "L" or "R." The marks refer to a frame of reference from inside the window and will be reversed if looking at the window from the outside.

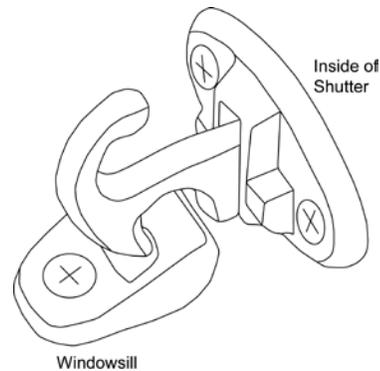


3. The pintle half of the hinge mounts to the window trim with the pintle (pin) pointing up. The hinge extends out from the window trim in a direction perpendicular to the windowpane. The section of the hinge defined by dimensions “a” and “b” as shown below is mortised into the window trim.
4. Two hinges are typically used per shutter. For very large or heavy shutters, more than 2 hinges may be required. Hinges are usually mounted about 6 inches from the top and bottom of the shutter.
5. Position the pintle half of the hinge at the desired location and trace out for the mortise. Mortise the area with a router or chisel so that the hinge will sit flat and is flush with the wood.
6. Mark and drill pilot holes for the screws. The 88-372 through 88-376 include No. 10 by 1” screws that require a 3/32” pilot hole. The 88-377 and -78 include No. 12 by 1.25” screws that require a 7/64” pilot hole. Install the provided screws.
7. Slide the other half of the hinge down onto the pintle. Hold the shutter up in the open position so that the hinge is against its edge. A helper is useful. Trace out for the mortise, put the shutter down, mortise the area, and then install the screws in the same way as before.
8. Repeat this procedure for the other hinge(s) on the shutter. Make sure the spacing of the hinges from the top and bottom of the shutter is consistent throughout your project.
9. Install the shutters by lifting them onto the hinges (sticking straight out from the building) and check the operation.



Fastener Instructions

This fastener is typically used to secure shutters in the closed position. Wood screws are provided. If you are mounting the catch on another material, additional screws or anchors may be required. For large or heavy shutters or in areas subject to strong winds, two catches per shutter may be required. Includes latch (hook), mounting base for the latch (hatch), keeper, and No. 8 by 1” mounting screws.



1. Assemble the catch as shown to the above right. Slide the latch into the mounting base from the back. The hook must point down. You may wish use tape to temporarily hold the latch into the base so as to more easily position the parts for mounting. The latch and base are mounted to the inside of the shutter at the bottom. The keeper is mounted to the windowsill so that it will engage the latch when the shutter is in the closed position.
2. Catch should be located close to the center of the window on the opposite side as the hinges.
3. Test fit the catch and make sure it operates properly. Mark the position of the screws and drill a 5/64” pilot hole before installing the screws. After tightening the screws, make sure the catch operates properly. If needed, now install additional catches in the same way.