

Used to hinge a bench seat top to access an under-seat storage compartment, these double-articulated hinge arms are designed to move the seat top forward slightly as it lifts for clearance against a padded backrest. Springs assist with opening the lid and hold it open at about 45°.

Not recommended for use with toy boxes (the hinges do not prevent slamming).

Requires a seat top weighing a minimum of 4kg (8.8 lb) and a maximum of 8kg (17.6 lb).

Minimum thickness of seat top: 16mm (5/8").

Recommended screw size: #12 pan-head screws (not included). A 2mm (5/64") drill bit is required for drilling pilot holes.

 **Tip:** Do not overtighten the screws until all adjustments have been made.

Measurements are noted in millimetres.

 **Caution:** These hinges are handed; see **Figure 1**. Note the orientation of the upper mounting bracket; the outer edge of the bracket faces the sidewall.

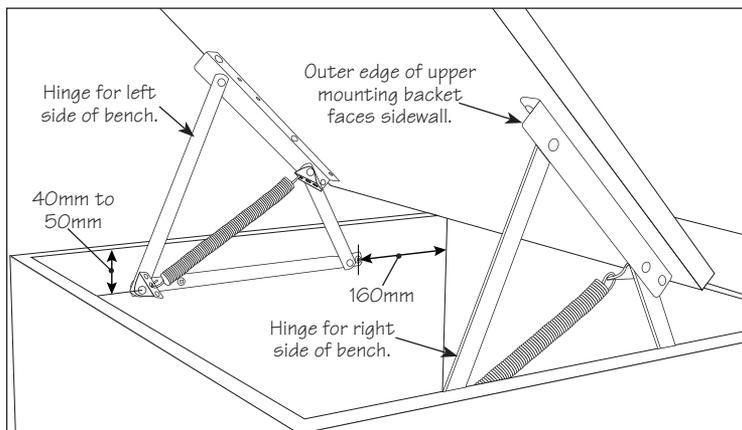


Figure 1: Basic seat hinge installation.

Mounting the Lower Bracket onto the Carcass Base

1. Draw a horizontal line across the right and left sidewalls of the carcass base, 40mm to 50mm down from the top edge.
2. Mark the first screw mounting hole for the lower bracket 160mm from the back of the carcass sidewall, such that it intersects with the horizontal line.

3. Open the hinge, keeping the handedness of the hinges in mind, and align the center of the screw mounting holes on the lower bracket with the horizontal line on the sidewall. Center the first screw mounting hole with the mark, and transfer the location of the remaining screw mounting holes, as required*.
4. Drill pilot holes for the mounting screws and install the lower bracket onto the sidewall using #12 pan-head screws.

**Note: The lower bracket has three screw mounting holes. Two screws are usually sufficient for this hinge; however, depending on the application and material used, three screws might be required.*

Mounting the Upper Bracket onto the Seat Top – Option A

1. Close the hinge and apply double-sided tape onto the top of the upper bracket.
2. Position the seat top in place and press down until it sticks to the tape.
3. Carefully open the seat top and transfer the location of the five screw mounting holes, as required*.
4. Remove the seat top. Drill pilot holes for the mounting screws and install the upper bracket onto the seat top using #12 pan-head screws.

**Note: The upper bracket has five screw mounting holes. Three screws are usually sufficient for this hinge; however, depending on the application and material used, five screws might be required.*

Mounting the Upper Bracket onto the Seat Top – Option B

1. Close the hinge and measure the distances of X and Y (shown in **Figure 2**) from the center of the screw mounting hole closest to the back of the carcass.

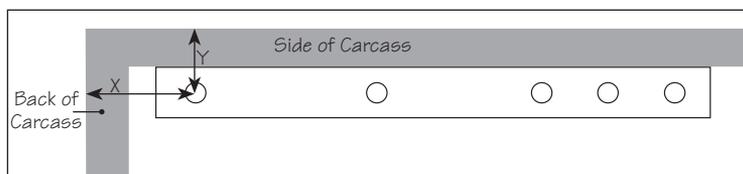


Figure 2: Measuring the location of the first screw mounting hole.

2. a. For a seat top that is flush with the carcass, transfer the X and Y measurements onto the underside of the seat top. This will determine the location of the first screw mounting hole.

- b. For a seat top that overhangs the sides of the carcass, add the amount of overhang to the Y measurement and transfer X and Y measurements to the underside of the seat top.
3. On the underside of the seat top, draw a line parallel to the side (Y). Open the hinge, position the seat top in place, aligning the center of the screw mounting holes in the upper bracket with the line on the underside of the seat top. Center the first screw mounting hole with the mark, and transfer the location of the remaining screw mounting holes, as required*.
 4. Drill pilot holes for the mounting screws and install the upper bracket on the seat top using #12 pan-head screws.

**Note: The upper bracket has five screw mounting holes. Three screws are usually sufficient for this hinge; however, depending on the application and material used, five screws might be required.*

Mounting the Springs

1. Slip one end of the spring into one of the three holes in the little bracket, as shown in **Figure 3**.
2. Stretch the spring and hook the other end of it into one of three holes in the other little bracket.
3. Adjust the tension as required by hooking the end of the spring into one of the other holes in the little bracket. The bracket can also be rotated as needed to extend the spring.

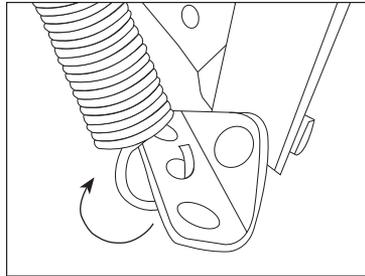


Figure 3: Mounting the spring.

Note: If the springs are noisy after installation, adjusting the tension on the springs should minimize the noise. However, the noise will diminish with use, as the hinge is opened and closed.

Lee Valley TOOLS LTD.
www.leevalley.com

1090 Morrison Drive Ottawa ON K2H 1C2 Canada 1-800-267-8761	814 Proctor Avenue Ogdensburg NY 13669-2205 United States 1-800-267-8735 customerservice@leevalley.com
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