

## Full Bracket Installation Instructions

### Tools needed:

- Drill
- 3/16" drill bit
- Phillips bit
- Ratchet with 7/16" socket
- Measuring tape
- Level
- Stud finder

#### 1. Locate and Mark Studs:

Using a stud finder, locate and mark the center of each wall stud within the length of the shelf

#### 2. Mark Bracket Locations:

Hold the first bracket so that it is centered on the first selected stud at the desired shelf height. Place the level on the tongue of the bracket to ensure it is level, and mark the center of the mounting holes on the wall with a pencil.

#### 3. Drill into Studs:

Using a 3/16" bit, drill into the wall and stud at the marked points. Drill to a depth that matches the lag bolt length (at least 2 1/2").

#### 4. Install Bracket:

Using a ratchet wrench with a 7/16" socket or a driver with a socket adapter, fasten the brackets to the wall using lag bolts. Use a level on the tongue of the bracket to ensure that the brackets are completely level when fastened.

**Tip:** Avoid over-tightening to prevent snapping the bolt heads. Keep a close eye on the head of the lag bolt when tightening, stopping when the head seats against the bracket.

**5. Install remaining brackets:**

Using the four-foot level, hold the next bracket at the next marked stud so that the brackets are level with each other. Mark the center of each mounting hole, then repeat steps 3 & 4 above. Continue this process for each remaining bracket. If you do not have a four-foot level, place a flat piece of wood across the tongues of the brackets and use a smaller level on the wood to ensure the brackets are aligned properly.

**6. Mark and Drill Pilot Holes in the Shelf:**

- Place the shelf on the brackets so it sits flush against the wall. Mark the center of each bracket hole on the underside of the shelf.
- Remove the shelf and place it bottom-side-up. Drill pilot holes at the marked spots using a 1/8" bit, ensuring you do not drill through the shelf.  
**Tip:** To avoid drilling too deep, wrap a small piece of painter's tape around the drill bit at the desired depth (equal to the length of the screw you'll be using). When you drill, stop as soon as the edge of the tape touches the surface of the wood.

**7. Install the shelf:**

Place the shelf back on the brackets, aligning the pilot holes with the bracket holes. Secure the shelf with set screws to hold it firmly in place.

**Tip:** The mounting holes on the bracket are slightly larger in diameter than the shaft of the lag bolts to allow for small bracket adjustments if necessary.