

4x4 Pergola Bracket Installation Guide

Tools & Materials Needed

- Electric drill with 7mm bit
- Level tool
- Tape measure & pencil
- Wrench/screwdriver set
- 2 post bases, 2 corner brackets, 2 wall mounts (included)
- Appropriate screws/bolts (check package for accessories)

Step 1: Prepare Installation Site

1. Mark wall mounting points with a pencil, ensuring they're level and spaced to fit 4x4 posts.
2. For post bases, dig 12-inch-deep holes if ground-mounted; use concrete for stability (optional).
3. Ensure the area is clear of debris and obstacles.

Step 2: Attach Wall Mount Brackets

1. Align wall mounts with marked spots, using a level to verify horizontal placement.
2. Drill pilot holes through bracket holes, then secure with provided screws.

3. Tighten evenly to prevent warping, ensuring brackets are flush against the wall.

Step 3: Install Post Bases

1. Place post bases on concrete pads or in pre-dug holes, adjusting for vertical alignment with a level.
2. If ground-mounted, anchor bases with bolts or concrete (follow local building codes).
3. Ensure post bases are perpendicular to wall mounts for structural balance.

Step 4: Connect Corner Brackets

1. Position 4x4 wooden posts into post bases and align with wall mounts.
2. Attach corner brackets to post-top and wall-mount intersections, using pre-drilled holes.
3. Secure brackets with screws, tightening in a diagonal pattern to distribute tension evenly.

Step 5: Final Checks

- Use a level to confirm all brackets and posts are plumb/level.
- Test structure stability by gently shaking—add washers if gaps exist.

- For outdoor use, apply waterproof sealant around screw heads to prevent rust.