



### Installation Requirements

The Metal Stud Cantilever Plate bracket is used as a bearing plate with one of four compatible Federal Brace bracket styles clamping the metal wall stub between the two brackets. It's designed to give a greater bearing surface area, which helps distribute the weight of the load.

This installation document should not be considered a specific recommendation for your particular application. Federal Brace cannot provide installation guidelines to meet the particulars of every installation. View this document as a help sheet that provides considerations about general installation.

Before beginning you will need the following components:

- 1/4" (0.25") Diameter by 1-1/4" Lag Bolts
- 1/4" (0.25") Hex Nuts
- 1/4" (0.25") Flat Washers
- Lock Tight (Optional)
- Drill Bit Size 9/32"

### Metal Stud Cantilever Plate (04741)

1. Decide the desired bracket height on the flat side of the metal studs and mark a small line. Hold your level at the mark and adjust the level until the bubble is centered. Then draw your line.
2. Place your selected compatible Federal Brace bracket in position against the metal stud wall and mark the fastener pilot holes.
3. Drill the pilot holes using a 9/32" drill bit.



4. Insert the required number of 0.25" lag bolts through the bracket and stud.
5. Add the Metal Stud Cantilever Plate bracket on the opposite side of the metal wall stud by matching the slot holes with the protruding bolts.
6. Apply optional Lock Tight to the inside of the nut and bolt thread at this point. Add a 0.25" Flat Washer and 0.25" Hex Nut to each bolt and hand tighten.
7. Using a level confirm that the cantilevered arm on your selected compatible Federal Brace bracket is level and firmly tighten the fasteners with a wrench on the nut and a wrench on the bolt head.

### Final Steps

Enjoy your work. We are happy that you chose to support your project with Federal Brace brackets. We would be very grateful for images of your finished installation. Everyone enjoys seeing Federal Brace supports at work. Also, know that the highest compliment Federal Brace can receive is a reference from our customers to their friends and family. If you have enjoyed your buying experience with Federal Brace, please let someone know. Thank you!