

Surface-mounted electrical boxes need to be fitted with brackets



2. Imported design is convenient for expansion.

The design of two inlets saves space and allows for rear line entry.

Overview

As required by Section 300-11 (a) raceways, cable assemblies, boxes, cabinets, and fittings must be securely fastened in place. 370-23 (b) (1) Nails Nails are not permitted as fasteners unless they are used to attach brackets on the outside of the enclosure, or unless. NEC Article 314 establishes requirements for the installation and use of electrical boxes, conduit bodies, fittings, and handhole enclosures. A conduit body is a removable-cover section of a conduit system that provides access at junctions or termination points. Article 314 applies to: These. Code Change Summary: Revised code section on the installation requirements for conductors in boxes and conduit bodies. In the 2020 NEC ®, the requirements previously found in 314. Multiple-gang boxes mount to studs in the same way. I didn't see anything else that looked like it would work.



Article Content

Mar 31, 2026

Stumped by the Code? The Rules for Allowable Support ...

Boxes can be secured to a finished surface (drywall or plaster walls, or ceilings) by clamps, anchors, or fittings identified for the purpose [Sec. 314.23 (C)].

Aug 09, 2025

314.17 (B) Boxes and Conduit Bodies.

A box or conduit body shall not be required where cables enter or exit from conduit or tubing that is used to provide cable support or protection against physical damage. A fitting shall be provided on the end ...

Jan 09, 2026

Installing New Work Boxes

To provide solid support for multigang boxes, first install an adjustable box bracket that spans the studs. Once you've mounted boxes, remove the appropriate number of box knockouts and install cable ...

Sep 04, 2025

DIY Electrical Hack: How to Install a Surface Mount Box Fast

Electricians often use a single gang surface mount box when adding outlets or switches to existing walls where in-wall wiring isn't feasible. This tutorial will guide you through safely installing ...

Apr 14, 2026

Introduction To Electrical Boxes | Low Voltage Installer

When installing 4 square boxes inside a wall to be covered, you need to use a box with a bracket. This box uses an FM bracket which can be secured to a wood or steel stud.

Jan 28, 2026

2020 NEC Secured | Information by Electrical Professionals for ...

The electrician started installing brackets that would work for where there is sheetrock on the other side of the wall. There is a metal brace that prohibits the box from moving back any farther. ...

Apr 21, 2026

A Complete Guide to NEC Article 314 on Electrical Boxes and Conduit ...

NEC Article 314 establishes requirements for the installation and use of electrical boxes, conduit bodies, fittings, and handhole enclosures.

Nov 19, 2025

How to Install a Surface Mount Round Electrical Box

The box should be positioned so the wire entry point aligns with the cable path. Attaching the box to masonry or concrete requires specialized fasteners and a hammer drill. Common options ...

Aug 16, 2025

Article 370

A similar requirement in Section 110-13 states that electrical equipment must be firmly secured to the surface on which it is mounted. Although the Code does not provide acceptable ...

Feb 28, 2026

Installing a surface electrical box over an existing wall box?

Most steel outlet boxes in older homes are side-nailed through the box into the adjacent wooden stud. If you can see both nails inside the box, there is an easy trick to dismount the box ...

Contact Us

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