

# What is the size of the grounding screw in the distribution box



## Article Overview

The standard grounding screw for electrical boxes is a 10-32 screw, typically 5/16 inches long and often green for identification.

### Standard Size and Specifications

Grounding screws used in metal electrical boxes are generally #10-32, meaning they have a #10 diameter and 32 threads per inch, which ensures a secure and electrically reliable connection. The standard length is 5/16 inches, though longer screws can be used if needed to accommodate thicker box walls or additional grounding components. These screws are often painted green to clearly indicate their grounding function, which is a common requirement in North America.

### Material and Head Type

For safety and durability, grounding screws are typically made from stainless steel or zinc-coated metal, which resists corrosion and maintains conductivity over time. The head is usually hex or flat, with hex heads preferred for better contact and easier driving, while flat heads sit flush with the box surface. Some screws may also feature combination drives (slotted, Phillips, or square) for versatility.

### Installation Considerations

- Secure connection: At least two full threads should engage the metal box to ensure...

## Article Content

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What Size Screws for an Electrical Box? [Standard Guide]

Standard electrical box screws are typically 6-32, 8-32, or 10-32. Learn which size you need for outlets, fans, and

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Ground Stinger Screw Size: Compatibility And Safety | ShunTool

Ground stingers, also known as equipment bonding jumpers, are used to ground wires in electrical junction boxes.

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100 PCS Ground Screw, Electrical Panel Screws, Ground Screws for ...

Their precision-engineered threads provide a secure, snug fit, enhancing both functionality and visual appeal. □Wide Compatibility□

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Can I connect the grounding screw to anywhere in the junction box?

The ground screw and hole is "self tapping", meaning the hole isn't threaded, but that won't matter to the screw. It's gonna take a bit of

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Ground Screws | Engineered Products Company (EPCO)

EPCO's Green Ground Screws (#10-32 x 3/8") are engineered for safe, reliable grounding in metal

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What Size Screws Do You Need for an Electrical Panel?

Ground and neutral bars often employ either 8-32 or 10-32 screws to establish the electrical bonding connection.

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TECHNICAL SERVICES DEPARTMENT

Compatibility of the size and threads of the screw with the threaded holes in the box is very important to ensuring expected

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## NEC Ground Wire Size Chart – Electrical Grounding Guide

NEC Ground Wire Size Chart ensures electrical grounding safety. Learn conductor sizing, bonding, and fault current protection for

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## What Size Screws for an Electrical Box?

This screw provides a low-impedance connection between the grounding conductor and the metal enclosure, which is

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## Combo Thread Grounding Screw, Green (10-Pack)

Hi KimG, the ground screws are 10-32 thread. The threads on handy boxes are usually 6-32 or 8-32 but you should check with the

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What is the purpose of this grounding screw in a plastic electrical box ...

The bare ground wire in the electrical box is supposed to connect to the green screw on that short metal bar. The

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## Grounding Screw Sizes & Types | Electronics Forums

I recently opened up an old electrical box with a weak ground. To fix the ground problem I wanted to connect a

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## Electrical Grounding Screws | McMaster-Carr

Choose from our selection of electrical grounding screws, including over 130 products in a wide range of styles and sizes. Same and

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## Choosing The Right Screw Size For Your Electrical Box

Choose the right screw size for your electrical box to ensure a secure fit. Learn about the factors that determine the

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## Grounding Screw Sizes & Types

However, the old box doesn't have any holes for 8-32 sized screws, but only for the larger holes (for mounting?).

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Acceptable to use grounding screw on metal box?

GeorgeAnderson, I get that part. But it seems like if the grounding screw is providing a path to ground via the box and I were to touch

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Metal Junction Box screwed to wood

My brother has a metal pancake box directly screwed into a 2x4. That same screw used to fasten the box is also being

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What Size Screws Do You Need for an Electrical Box?

Learn what size screws are used in electrical boxes and how to properly install them with our guide. We'll also cover the different

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Ground Screw Sizes For Electrical Boxes: Standard Specifications

For ground screws in electrical boxes, the standard is to use a 10-32 screw with a hex head and a visible green

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What Size Screws for an Electrical Box?

The Critical Role of Grounding Screws A specialized fastener is reserved exclusively for establishing the equipment

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Ground Screw Sizes: Green Energy Foundation Essentials

Green ground screws are used to secure ground wires to electrical junction or circuit boxes. They are typically made

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Ground Bonding Products Product Data Sheet

Conductor The correct way to install a ground clip is to feed the grounding conductor into the ground clip with the shorter part of the

Feb 26, 2026

Drill and Tap Sizes for Electricians Explained

For grounding it is important to use fine threaded machine screws such as 10/32 to attach a grounding pigtail wire to a metal

Dec 14, 2025

What Size Screws Are For An Electrical Box? (Find Out Now!)

Most new electrical boxes and configurations will come with the needed electrical screws in the package.If you are

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Box Screw Size: Ensuring Safe Electrical Connections In Residential ...

Learn about box screw size for safe electrical connections. Understanding the right screw size ensures a secure

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