

# **FREQUENTLY ASKED QUESTIONS**

**Q. What is the Earth Rod Pro?**

A. simple and effective solution which bores through soil, hard top layers, concrete, or underground rock, to achieve a secure earth rod connection. With the Earth Rod Pro earth rods can be installed in under 2 minutes!

**Q. How does it work?**

A. The LINIAN EARTH ROD PRO has two components – a reusable DRIVER (SDS standard or MAX size), and a sacrificial tip BIT. Simply attach the EARTH ROD PRO – DRIVER to one end of a copper earth rod and attach the EARTH ROD PRO – BIT directly to the other end of the earth rod. Using an SDS Drill, the rod can then be rapidly installed directly into the ground. The carbide tipped BIT will chew through any rock and debris, remaining in the ground after installation.

**Q. How good is the connection?**

A. An Earth Rod Pro Bit isn't fluted like a normal drill bit. Normal drill bits are fluted to remove material from the hole. The lack of fluting on an earth rod ensures the ground material is displaced evenly around the rod for best connection.

**Q. I thought LINIAN just made FireClips?**

A. We invented the FireClip, the original single component fire-rated fixing. At LINIAN, we pride ourselves on our safe and reliable products, and we believe it is important to continually push ourselves to innovate, and to solve industry challenges. Since we were founded in 2006, our ranges have expanded to include SuperClips, T&E Clips, Coaxial clips, and now the Earth Rod Pro - for rapid earth rod installation. We currently have over 100 products on the market, and have more exciting products in development.

**Q. Why are you making Earth Rod products now?**

A. With the rise of new challenges like 5G, EV charging industry, Big Data installers are completing even more earth rod installations than ever before. However, this can be a laborious task, often involving a large hammer, a lot of effort, and hopefully a bit of luck. We knew we could create a better solution.

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***Q. Is that a tungsten carbide bit on the end of it?***

A. It is indeed, it's sacrificial, but worth it!

***Q. Is the sacrificial tip bit really £18.75 each? That's more than 2 x 1.2 mtr earth rods and a coupling combined!***

A. With the Earth Rod Pro, an earth rod can now be installed in under 2 minutes so you are saving significant labour costs. In terms of pricing, this is trade price, check with your local wholesaler for discounts and offers.

***Q. Will it work with any earth rod?***

A. All parts are made concurrently on state-of-the-art sliding head lathes to ensure perfect compatibility of 5/8" BSW threads with copper earth rods.

***Q. What's the difference between the Earth Rod Pro Driver (SDS+) and Max Driver?***

A. The Earth Rod Pro Driver (SDS+) is designed to be used with a standard SDS+ Drill and the Max Driver is designed to be used with an SDS Max Drill. Both drivers work in the same way.

***Q. What is the carbide tip dimensions? Just curious as to clearance around the rod and with no spoil clearance does this not bind up heavily stressing the drill? Am I right in thinking the spoil will potentially back up on the rod filling any tip - rod differential thus once settled give less conductive resistance?***

A. The rod isn't fluted like a standard drill bit and so no material is removed from the hole ensuring a secure connection. The tip is sized to allow a coupler to pass through the hole.

***Q. So the tip will compress the soft spoil and drill the hard obstacles etc? I'm only curious as until the displaced spoil relaxes around the located rod there will be a variant in resistance. Obviously, this time will vary depending on the composition of the ground.***

A. Correct, and this is also the case when driving an earth rod in with any other means such as mallet or jackhammer.

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**Q. What is the durability of the tip? As mentioned in other comments it would be like trying to drive an 20mm + SDS drill bit though whatever obstruction using an SDS max drill (we have these) sound like a possible idea just not sold on it.**

A. The tip is extremely durable tungsten carbide. We have designed this product for mild steel copper bonded rods as they are the most common and cost effective as you suggest.

**Q. Will it go through concrete?**

A. Yes, the carbide tip on the Earth Rod Pro has been designed to bore through soil, hard top layers, concrete, or underground rock, to achieve a secure earth rod connection first time.

**Q. Have you also designed a rod coupler to go through the same hole made by the head?**

A. This has been designed for use with a copper rod and in mind of the coupler which attaches to it to make sure it can all go through the hole drilled by the tip.

**Q. How good a connection to ground / earth is it?**

A. The tip is wider than rod so would it make a wider hole leaving a void between the ground and rod? The rod itself isn't fluted like a drill bit so no material is removed from the hole. It's actually pulled closer around the rod ensuring a great connection.

**Q. Won't this do damages to underground services?**

A. It is the responsibility of the installer to ensure the ground is free of any buried services via the use of trial pits or gpr survey. As fitted drawings alone are not sufficient to determine the presence of buried services. This is the same with any earth rod or other installation.

**Q. Can you reuse the Earth Rod Pro Driver?**

A. Yes. The Earth Rod Pro BIT is a sacrificial tip which remains in the ground but the Earth Rod Pro Drivers (SDS+ or MAX) are reusable.

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## ***EARTH ROD PRO***

***Q. How to I remove the driver?***

A. After you have installed the earth rod, just remove the drill and then use a spanner to remove the Driver from the earth rod. You can apply some grease to the threads of the shaft for even easier removal.

***Q. Where can I buy the Earth Rod Pro?***

A. You can buy through your local electrical wholesaler – check out our stockist map on our website. You can also buy online through our approved online stockists or directly through our website.

***Q. Any chance of a free sample?***

A. Stay tuned on our social media though as we'll be doing a few giveaways. We're also happy to work with colleges and electrical training centres to provide products for training purposes.

## ***Do you have a burning question for the LINIAN Team?***

Contact us at:

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Or send us a message on one of our social media channels:

