

What are the Benefits of Conductive Safety Shoes?

Some of the benefits of CSS include:

- They help protect the user in an environment where static electricity which has accumulated poses a hazard. They are used to reduce accumulation of electrostatic charges in the shortest possible charge for example when handling explosives. They ensure you have the least possible electrostatic charges on your body to avoid any spark that would cause an explosion.
- CSS reduce the chance of ignition from static electric spark by dissipation of static electricity from the body onto the ground.

How do Conductive Safety Shoes Work?

CSS are designed to discharge electricity that is static from the body via the shoes into floors that are grounded. For the charge to be dissipated, the floors need to be grounded.

What is the Marking of Conductive Safety Shoes?

The marking of CSS is C.

	Conductive Sole resistance < 100 K Ω
	ESD Sole resistance 100 K Ω to 100 M Ω
	Antistatic Sole resistance 100 K Ω to 1000 M Ω
	Electrical Insulative Sole resistance > 1000 M Ω

What is the difference between Conductive Safety Shoes & Electrical Safety Shoes?

CSS are designed to conduct static electricity via the sole into the ground. They dissipate electricity that is static faster and completely thus making them suitable for such hazardous environments. They are worn in environments that are highly flammable & where there are explosives. Moreover, conductive safety shoes have a “C” mark visible on the taffeta label which is sewn on their inside.

Electrical safety shoes are designed in a way that reduces/hinders significantly electricity flow through the shoe to the ground. In this way, it tends to reduce the possibility of electrocution. This is opposite to CSS. They have an “EH” mark which is visible and sewn on the label inside the electric safety shoes& also on outside.

Is CSS the same as ESD Safety Shoes?

No. They are not similar as sole resistance of ESD footwear is **more than** 100 K Ω but less than 100 M Ω . All ESD footwear are Antistatic (100 K Ω to 1000 M Ω).



**CSS should not be used where wearer is exposed to live electricity.
CSS facilitate completion of electrical circuit while electrical hazard
(EH) footwear prevents the completion of electrical circuit.**



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