

# Canadian Safety Standards

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## CSA – Canada Safety Association Standard for Safety FOOTWEAR

The Canadian Standards Association (CSA) have been using symbols on safety footwear for more than 30 years. Each shape & color represents specific safety criteria for all safety footwear and apparel purchased in Canada.

**Green triangle with CSA symbol** – Sole puncture protection with a Grade 1 protective toe. (Heavy work environment: construction; machine shops; where sharp objects are present)



**Yellow triangle with registered symbol** – Sole puncture protection with a Grade 2 protective toe. (Light industrial work environments)



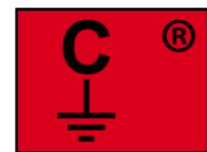
**White rectangle with orange Greek letter omega & CSA symbol** – Soles that provide electric shock resistance, with  $\Omega$  (capital omega) being the symbol for ohms of electrical resistance. (Any industrial environment where live electrical conductors can occur)



**Yellow rectangle with green letters "SD", a grounding symbol & CSA symbol** – Capable of dissipating an electrostatic charge in a controlled manner. (Any industrial environment where a static discharge can be a hazard for workers or equipment)



**Red rectangle with a black letter C, grounding symbol & CSA symbol** – Soles that are electrically conductive (Any industrial environment where low-power electrical charges can be a hazard for workers or equipment)



**White label with green fir tree symbol & CSA symbol** – Provides protection when using chainsaws. (Forestry workers & others required to use a chainsaw)



**Blue Square with CSA symbol** – Grade 1 protective toe only. (For all other environments not listed above)

Generally, a safety shoe is a shoe that follows at least one of five criteria.

The criteria that a safety shoe adheres to can be found by looking for the CSA (Canadian Standards Association) alphanumeric code found inside the shoe. This code is made up of a combination of 5 different symbols:

**1, 2 or 0;**

**P or 0;**

**M or 0;**

**E, S or C;**

**X or 0.**



The first code indicates if the shoe has a steel-toe cap (a metal shell embedded on top of the toes part of the shoe). "0" means there is none. "1" means that there is, and it resists an impact of 125 joules (22.7 kg object falling from 56 cm above). "2" means that it resists an impact of 90 joules.

1. The second code indicates if the shoe has soles that protect the arches of the feet from punctures. "P" means it does. "O" means it doesn't.
2. The third code indicates if the shoe has a metatarsus protection against shocks and collisions. "M" means it does. "O" doesn't.
3. The fourth code indicates the shoe's electrical properties. "E" means it resists electrical shocks. "S" means it disperses static electrical. "C" means it conducts electricity.
4. This last code is found only on shoes that protect the foot from chainsaws, i.e. chainsaw boots. "X" it does, "O" does not.

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