

# CSA INTERNATIONAL CERTIFIES FOOTWEAR FOR NORTH AMERICA

## CAN/CSA Z195 PROTECTIVE FOOTWEAR FOR CANADA

This National Standard of Canada deals with protective footwear and includes requirements for resistance against toe impact, sole puncture, electric shock, chainsaws, as well as requirements for static discharge and electrical conductivity.

Footwear that has been certified by CSA International to the CAN/CSA Z195-02 standard is eligible to bear our Protective Footwear Certification Markings.

### CSA CERTIFICATION MARK FOR CANADA

Indicates footwear is CSA-certified to Canadian national requirements.

LABEL	DESCRIPTION	LOCATION
	<p>This serialized label indicates certification by CSA International and is only available through CSA.</p>	<p>This label will be side-stitched or heat-sealed inside the top of the tongue or inside the quarter lining of the right shoe.</p>

### CLASSES OF PROTECTION

One or more of these markings will appear on the outer side or the tongue of the right shoe.

#### PROTECTION MARKINGS

#### SAFETY FEATURES

#### RECOMMENDED USE



Green triangle indicates sole puncture protection with a Grade 1 protective toe to withstand impacts up to 125 Joules. Comparable to a 22.7 kg (50 lb) weight dropped from 0.6 m. Sole puncture protection is designed to withstand a force of not less than 1200 Newtons (270 lbs) and resist cracking after being subjected to 1.5 million flexes.

For any industry, especially construction and heavy work environments, where sharp objects, such as nails are present.



Yellow triangle indicates sole puncture protection with a Grade 2 protective toe to withstand impacts up to 90 Joules. Comparable to a 22.7 kg (50 lb) weight dropped from 0.4 m. Sole puncture protection is designed to withstand a force of not less than 1200 Newtons (270 lbs) and resist cracking after being subjected to 1.5 million flexes.

For light industrial work environments requiring puncture protection as well as toe protection.



Blue rectangle indicates Grade 1 protective toe without sole puncture protection. Grade 1 protective toe withstands impacts up to 125 Joules. Comparable to a 22.7 kg (50 lb) weight dropped from 0.6 m.

For industrial work environments not requiring puncture protection.



Grey rectangle indicates Grade 2 protective toe without sole puncture protection. Grade 2 protective toe withstands impacts up to 90 Joules. Comparable to a 22.7 kg (50 lb) weight dropped from 0.4 m.

For institutional and non-industrial work environments not requiring puncture protection.

**FOR MORE INFORMATION ON OUR PROTECTIVE FOOTWEAR CERTIFICATION PROGRAM:**

CALL **1-866-797-4272**

VISIT **[www.csa-international.org](http://www.csa-international.org)**

E-MAIL **[client.services@csa-international.org](mailto:client.services@csa-international.org)**

## PROTECTION MARKINGS



White label with green fir tree symbol indicates chainsaw protective footwear. Protective features are designed into the boots to prevent a running chainsaw from cutting all the way through the boot uppers so as to protect the shins, ankles, feet and toes.

For forestry workers and others exposed to hand-held chain saws or other cutting tools.



White rectangle with orange Greek letter omega indicates soles that provide resistance to electric shock. Such certified footwear contains a sole and heel design assembly that, at the point of manufacturing, has electrical insulating properties intended to withstand 18,000 Volts and a leakage current not exceeding 1 mA.

For any industry where accidental contact with live electrical conductors can occur.

Warning: Electrical Shock Resistance deteriorates with wear and in wet environments.



Yellow rectangle with green "SD" and grounding symbol indicates soles are static-dissipative. The outer soles are made from an antistatic compound, chemically bound into the bottom components, capable of dissipating an electrostatic charge in a controlled manner. The test criteria are  $10^6$  to  $10^8$  Ohms. Note that SD footwear without toe protection will not have sole protection certified by CSA.

For any industry where a static discharge can create a hazard for workers or equipment.



Red rectangle with black "C" and grounding symbol indicates soles are electrically conductive. The outer soles are made from a conductive compound that is permanently bound to the bottom components to provide electrical grounding of each foot. Test criteria are 0 to 500,000 Ohms.

For any industry where static discharge may create a hazard of explosion.

## MARKING

The right foot of each pair bears the following information permanently marked in a conspicuous location:

- Manufacturer's name, trade name, or CSA Master Contract number
- Date of manufacture by month and year or by date code
- Outsole construction style or name

## METATARSAL PROTECTION

Metatarsal Protection is intended to safeguard the upper foot (metatarsal bones) and toe areas. To meet CSA design requirements the footwear must provide sufficient width and height to cover the dorsum of the foot. Note that there is no CSA certification for metatarsal protection as the standard does not currently contain performance requirements.

## ASTM F2413 FOOT PROTECTION FOR THE UNITED STATES

### CSA International certifies footwear to the ASTM F2413 Standard Specification for Performance Requirements for Foot Protection.

This Standard provides requirements for impact and compression protection and optional requirements for conductive, electrical hazard, sole puncture resistance, metatarsal, and static dissipative protection.

CSA's ASTM Certification Marking shall appear on one shoe of each pair and will be placed on the inside or outside surface of either the tongue, gusset, inside shaft or quarter lining. The following is an example of a marking that would appear on any CSA Certified Product for the US:

The marking will contain the following information:

