



CSA Z195:14 (R2023) QUICK REFERENCE GUIDE

The CSA Z195:14 standard applies to protective footwear used in industries such as construction, manufacturing, transportation, and warehousing. The standard covers both footwear with protective toe caps and those without but still designed to offer other types of protection.

KEY STANDARD REQUIREMENTS

MARKINGS	PROTECTION	HAZARDS	INDUSTRIES
	Grade 1 Impact for Toe Protection & Sole Puncture Resistance Offers maximum safety for high-risk environments by meeting or exceeding the minimum requirements for impact and sole puncture resistance	Heavy falling objects up to 125J, sharp object punctures up to 1200N	Construction, machinery manufacturing, mining, oil & gas, warehousing, agriculture & forestry, utilities, metal fabrication, automotive, waste management
	Grade 1 Impact for Toe Protection Offers the same impact protection without having a puncture resistant sole	Heavy falling objects up to 125J	The same industries as but within applications where heavy impact risks are present but puncture risks are minimal
	Grade 2 Impact for Toe Protection & Sole Puncture Resistance Offers protection for lighter industrial hazards by meeting or exceeding the minimum requirements impact and sole puncture resistance	Moderate impacts up to 90J, debris puncture up to 1200N	Light manufacturing, warehousing, food & beverage manufacturing, agriculture, transportation & delivery, maintenance & facility operations, janitorial services, landscaping
	Grade 2 Impact for Toe Protection Offers the same impact protection without having a puncture resistant sole	Moderate impacts up to 90J	The same industries as but within applications where moderate impact risks are present but puncture risks are minimal
	Electric Shock Resistance (ESR)* Indicates soles that provide resistance to electric shock	The certified footwear, has electrical insulating properties intended to withstand 18,000 Volts and a leakage current not exceeding 1 mA	Utilities, electricians in construction and repair settings, other occupations where live circuit exposure is a risk
	Conventional Static-Dissipative Footwear (SD)** Prevents the buildup and erratic discharge of static electricity through controlled dissipation in environments where electrostatic discharge is a hazard	Static discharge in sensitive environments in the range of 1×10^6 ohms and 1×10^8 ohms that can damage static-sensitive products or equipment	Electronic device manufacturing, semiconductor manufacturing, advanced fabrication, glassmaking, aerospace & automotive, optics
	Super Static-Dissipative Footwear** Offers greater control over static buildup with a more narrowly defined electrical resistance range to ensure faster and more consistent dissipation than standard SD footwear	Static discharge in sensitive environments in the range of 1×10^6 ohms to 3.5×10^7 ohms that can damage static-sensitive products or equipment	The same industries as but within applications where electrostatic buildup and discharge could pose significant risks to products and equipment, such as the pre-etching process in semiconductor manufacturing
	Electrically Conductive Footwear for Low-Power Electrical Hazards** Offers conductive footwear with low electrical resistance, reducing the risk of static discharge initiating fires or explosions by allowing electricity to quickly flow from the wearer to the ground	Static discharge in the range of 0 to 500,000 ohms in environments where ignition and combustion potentials are present	Chemical processing, explosives manufacturing, petroleum production, environments where static discharge could ignite flammable gases, vapors or dust, or other industries with environments that require rapid and safe static discharge
	Metatarsal Protection*** Offers protection over the metatarsal region (top of the foot) that absorbs and distributes impact force	Falling objects around 22.7kg	Mining, construction, heavy manufacturing, forestry, or other industries where heavy objects or tools may be a fall hazard
	Protective Footwear Against Accidental Chainsaw Contact Offers a specific level of cut resistance that protects the wearer from cutting all the way through the boot uppers, protecting the shins, ankles, feet and toes	Cuts from chainsaws operating up to 28 meters per second, or similar high-powered cutting equipment	Forestry, logging, tree trimming, landscaping, other jobs involving chainsaws

*NOTE: Protective footwear's electric shock resistance can be compromised in wet conditions

**NOTE: Not for use with live electrical conductors

***NOTE: Grade 1 toe protection is required for all metatarsal protective footwear