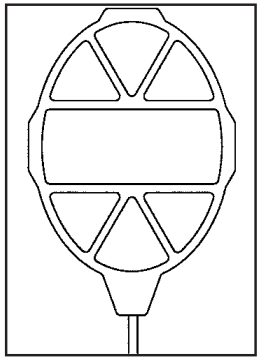


Description:

The Full Coverage Foot Grounder provides contact with the ESD floor both under the foot's sole as well as the heel area providing a more reliable path-to-ground than regular heel or toe grounders. Many users are improving ESD control responding to handling increasingly sensitive ESD devices such as Human Body Model class 0 devices. These foot grounders are designed to provide maximum ESD protection and fit most standard footwear. SPI foot grounders have a protective lining that prevents "bleed off" or "rub off" of black carbon marks onto the operator's shoes. The foot grounder has a one meghom discrete resistor in line for safety and is UL listed.

The product has been tested to ANSI/ESD S20.20 < 100 volt requirement per ESD STM97.2 - Floor Materials and Footwear Voltage Measurement in combination with a person. It is a suitable ESD footwear component in Flooring - Footwear System when used as the primary grounding method, also meeting <3.5 x 10E7 ohms per ESD STM97.1 Floor Materials and Footwear-Resistance Measurement in Combination with a Person. Foot Grounders are a superior choice to expensive dissipative shoes which require a sweat-in period prior to use. They are less expensive, require simpler inventory of sizes, and have superior electricals.

Components:

A. 0.060" thick, two layer laminated rubber heel/sole. The inner layer is non-marring, and the outer black layer is conductive Neoprene. The rubber is laminated, making it strong and resistant to tearing under normal indoor working conditions.

B. 3/8" wide, 18" long conductive grounding tab. The blue nylon ribbon contains 8 electrically conductive carbon suffused fibers. It is reversible and may be positioned on either side when placed underneath the foot while inside the shoe.

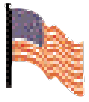
C. Front extension tab for ease of installation over the front of the shoe.

D. Side extension tabs for ease of installation over the sides of the shoe.

E. 1 meghom surface mount flex resistor in line with conductive grounding tab. UL listed for safety.

Resistance Point to Point (RTT):
1 x 10E6 - 1 x 10E7 Ohms @ 100 volts

		Shoe Size	
Item #	**Description**	**Men**	**Women**
95223	Medium	3 - 6.5	5 - 7.5
95224	Large	7 - 12.5	8 - 14



Made in America

FULL COVERAGE FOOT GROUNDER

ESD SYSTEMS.com
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Visit our online library of Tech Drawings: ESDSystems.com

DRAWING NUMBER 95223

DATE: December 2008

Notes:

“ESD protective flooring, used with approved footwear, my be used as an alternative to the wrist strap system for standing operations.” (ANSI/ESD S20.20 Paragraph 6.2.2.2 Personnel Grounding Guidance)

“If the contact area between the bottom of the foot and the floor is not continuous, charge generation may occur especially when a person is walking. Heel straps must be worn on both feet to minimize the amount of time that the body of the person is isolated from ground while walking.” (ESD Handbook TR 20.20 paragraph 5.2.3)

“Compliance verification should be performed prior to each use (daily, shift change, etc.). The accumulation of insulative materials may increase the foot grounder system resistance. If foot grounders are worn outside the ESD protected area testing for functionality before re-entry to the ESD protected area should be considered.” (ESD SP9.2 APPENDIX B - Foot Grounder Usage Guidance)

Listed:

ATTENTION: This product is not recommended for use on equipment with operating voltage exceeding 250 volts.

This product includes a one megohm current limiting resistor. DO NOT REMOVE. If it becomes damaged, replace Foot Grounder immediately. These products are not to be used in areas where the individual may come in contact with exposed electrical circuitry exceeding 250 volts.

CAUTION: These products are for ElectroStatic control. They will not reduce or increase your risk of receiving electrical shock when using or working on electrical equipment. Follow the same precautions you would use without foot grounders, including:

Make certain that equipment having a grounding type plug is properly grounded.

Make certain that you are not in contact with grounded objects other than through the ESD Series.