



Per ESD SP9.2 APPENDIX B - Foot Grounder Usage Guidance "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 reentry to the ESD protected area should be considered."

Per ANSI/ESD S20.20 Paragraph 6.2.2.2 Personnel Grounding Guidance, "ESD protective flooring, used with approved footwear, may be used as an alternative to the wrist strap system for standing operations."

ESD Handbook TR 20.20 paragraph 5.2.3 "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."

Suitable for ESD footwear component in Flooring - Footwear System personnel grounding method ( $<3.5 \times 10^7$  ohms per ESD STM 97.1). Suitable for ESD footwear component in flooring - Footwear System personnel grounding method ( $<100$  volts per ESD STM 97.2).

## Description:

The 07501, 07502 and 07503 Premium Sole Grounders provide a more complete path-to-ground than regular heel or toe grounders due to a wider and more consistent contact area. The rubber sole pattern is made from a black conductive outer layer and a non-marring lining that prevents carbon marks on shoes. These units include a blue grounding tab with carbon suffused fibers and hook and loop fastening systems. The Sole Grounders are UL listed. The product has been tested to ESD STM 97.2 - 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 ( $<3.5 \times 10^7$  ohms per ESD STM 97.1 Floor Materials and Footwear-Resistance Measurement in Combination with a Person.)

## Components:

- 0.080" thick, 1.50" wide, dual layer rubber, black conductive exterior with a non-marring interior. Tear resistant nylon reinforced 4.3 oz. inner scrim layer prevents the rubber from tearing.
- 3/8" wide, 30" long blue polyester tab contains electrically conductive carbon suffused fibers.
- 3/4" wide, blue loop material with return hook tip for quick and easy adjustment and wearer's comfort.
- 3/4" wide blue elastic material stretches for comfort.
- Hook and loop fastening system.
- A 1/4 watt, 2 megohm resistor.
- Stretch elastic back.

UL listed for safety and date coded.

## Tab to cup resistance:

10E6 Ohms @ 100 volts

**RoHS Compliance Statement**  
None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at [Desco.com](http://Desco.com).

ITEM #	DESCRIPTION	SHOE SIZE
07501	Sole Grounder, 2 megohm resistor, 30" tab - Small	Women's 3-7
07502	Sole Grounder, 2 megohm resistor, 30" tab - Medium	Women's 7 - Men's 10
07503	Sole Grounder, 2 megohm resistor, 30" tab - Large	Men's 11-15

**Notes:** Operator is grounded when foot is in contact with grounded dissipative or conductive flooring. Desco recommends the use of the Desco EMIT Smart Log®, item 50440.

For additional information on the use and maintenance of foot grounders please ask for Technical Bulletins TB-2020 and TB-2040.



Made in America

## SOLE GROUNDER

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DRAWING NUMBER  
07501

DATE:  
1/06

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