



**Key:**

- A. Two layer rubber composite material. Material consists of a layer which provides a non-marring interior surface that will not blemish shoes and a black conductive layer to ground via ESD flooring.
- B. Non-marring inner layer.
- C. 24" conductive ribbon.
- D. One megohm fully insulated current limiting resistor.
- E. Hook and loop adjustable closure.
- F. Elastic material for comfort.

Meets the requirements of ANSI/ESD S20.20, JEDEC-108/9, MIL-HDBK-263A, MIL-STD-1686, DOD-STD-2000.

Electrical Properties are not humidity dependent meeting ANSI/ESD S20.20 flooring/footwear required limit <math>3.5 \times 10^7</math> ohms tested at 12% and 50% relative humidity per ESD SP9.2

**Caution:** The foot grounder is for ESD control. It will not reduce or increase your risk of receiving electric shock when using or working on electrical equipment.

	Non-Marking Inner Layer	Black Outer Layer	Test Method
<b>Electrical Properties:</b>			
Charge Decay	< 0.01 sec.	< 0.01 sec.	FTMS-1018, Method 4046
RTG w/1 megohm resistor	< 10 megohm	< 10 megohm	ESD SP.92
<b>Physical Properties:</b>			
Abrasion, 1000 grams, 4000 cycles	< 1.0 grams loss	< 0.1 grams loss	ASTM-D3389 Method B
Hardness	65 ± 5 Shore A	65 ± 5 Shore A	ASTM-D2240

**Note:**  
 "ESD protective footwear is designed to reduce body charge levels by supplying a conductive path from the body to the floor material. Heel and toe grounders shall be worn on both feet to insure effective use.

The ability of footwear to remove a charge from a charged person who moves from an unprotected area to a protected one, or moves about on an ESD floor should be evaluated. As a person contacts an ESD floor material with static control footwear, the body charge should dissipate leaving minimal residual charge. (ESD Handbook ESD TR20.20-2008 section 5.3.3.3.4 Footwear Proper Usage)

Desco recommends the use of foot ground tester item No. 19252, 19276, and 19277. For additional information on the use and maintenance of foot grounders please ask for Technical Bulletins TB-2020, TB-2040, and TB-3034.

**One Megohm Economy Heel Grounder**



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