



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 $<3.5 \times 10E7$ 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
Electrical Properties:			
Charge Decay	< 0.01 sec.	<0.01 sec.	FTMS-1018, Method 4046
RTG w/1 megohm resistor	<10 megohm	<10 megohm	ESD SP.92
Physical Properties:			
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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