



Description:

The [17200](#) and [17202](#) Foot Grounders provide a continuous ground path between an operator and a properly grounded ESD protected flooring. These foot grounders are designed for use on standard shoes. They can be easily adjusted to fit most individuals. Desco's foot grounders have a lining that prevents carbon marks on shoes. Foot grounder models [17200](#) and [17202](#) have discrete resistors built into the contact strip. Model [17200](#) has a one megohm resistor and model [17202](#) has a two megohm resistor. The product has been tested to 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 (3.5×10^7 ohms per ESD STM 97.1 Floor Materials and Footwear-Resistance Measurement in Combination with a Person.)

Components:

- A. 0.060" thick (± 0.005), 1" wide contact area
 - a. Outer black layer is conductive neoprene.
 - b. Inner layer is insulative neoprene.
 - c. Tear resistant nylon reinforced 4.3 oz. inner scrim layer prevents the rubber from tearing.
- B. 3/8" wide, 30" long blue nylon ribbon contains 8 electrically conductive carbon suffused fibers, reversible, may be positioned on either side of foot.
- C. 3/4" wide blue non-elastic hook material.
- D. 3/4" wide blue stretch loop material, for quick and easy attachment to foot.

listed. Lot coded for quality traceability.

Specifications

Tab to floor contact point: $1 \times 10^6 < 1 \times 10^8$ ohms resistance when measured per ESD SP9.2 & ESD TR53

| | Outside Layer | Test Method |
|--------------------|---------------|----------------------|
| Abrasion: | 3000 cycles | ASTM-D-3389 Method B |
| Hardness: | 70 Shore A | ASTM-D-2240 |
| Tensile PSI (min): | 2500lbs. | ASTM-D-412 |



Made in the United States of America

| ITEM NUMBER | DESCRIPTION |
|-----------------------|--------------------------------------|
| 17200 | Foot Ground, Heel, 1 megohm resistor |
| 17202 | Foot Ground, Heel, 2 megohm resistor |

UL caution "Note: This product is not recommended for use on equipment with operating voltage exceeding 250 VAC. The ESD Series is for electrostatic control. It will not reduce or increase your risk of receiving electric shock when using or working on electrical equipment. Follow the same precautions you would use without wrist straps, including: Make certain that equipment having a grounding type plug is properly grounded."

Unless noted, tolerances $\pm 1/4$ "

Note:

"For standing operations, personnel shall be grounded via a wrist strap system or by a flooring/footwear system." (ANSI/ESDS20.20)

"ESD footwear should be tested at least daily while worn. See ESD TR53" (ESD Handbook TR20.20 section 5.3.3.4)

"Heel and toe grounders shall be worn on both feet to insure effective use." (ESD Handbook ESD TR20.20-2008 section 5.3.3.3.4 Footwear Proper Usage)

Specifications and procedures subject to change without notice.

FOOT GROUND, HEEL



DRAWING NUMBER
17200

DATE:
July 2012