

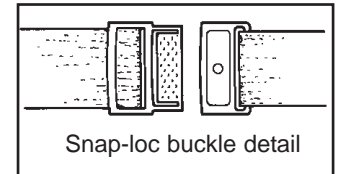
Per IEC 61340-5-2 paragraph 5.2.8, footwear should be used “where personnel are mobile, in storing areas, operating large machinery, etc., it may be impractical or dangerous to have long cords attached to them.” Use for ESD Footwear component when footwear/floor systems are used as the primary means of grounding. Per IEC 61340-5-1 Table 1 NOTE 2 - “When the personnel, the resistance of the combination shall be determined by the ESD co-ordinator, and is recommended to be between $7,5 \times 10^5$ ohms and $3,5 \times 10^7$ ohms.” Note IEC 61340-5-1 paragraph 5.5 EPA working practices, “When the use of a wrist strap system is impractical, the [ESD] floor and [ESD] footwear shall be the primary means of ESD control.” And per Paragraph 5.2.4, “When the floor is used as part of a grounding system, a minimum of two feet shall provide a path to EPA ground.”

Description:

The 70050 premium heel grounder provides effective ESD protection. The dual layer cup is made from a black conductive layer and a white lining that prevents carbon marks on shoes. These units include a blue tab with carbon suffused fibers and a snap-loc system for quick and easy fastening and removal. Full elastic strap provides maximum "flexing" comfort. The snap-loc heel grounder is also available with a replaceable tab as item number 70051.

Components:

- A. 1.5 mm thick, 38 mm wide, dual layer, a black conductive exterior with a white non-marking interior. Tab to cup resistance is $10^6 - 10^7$ Ohms.
- B. 9.5 mm wide, 46 cm long blue polyester tab contains electrically conductive carbon suffused fibers.
- C. 19 mm wide blue elastic material for comfort.
- D. 1 megohm, carbon film, 1/4 watt, molded resistor.
- E. Black, snap-loc fastening system.



- **Designed to satisfy Footwear requirements of IEC 61340-5.**
- **$R_g: 10^6 - 10^7$ Ohms.**

ITEM NO.	DESCRIPTION
70050	Heel Grounder with 1 megohm resistor

Note:

Two heel straps are recommended for reliable grounding and ESD protection, providing ground when one foot is off the floor.

Operator is grounded when foot is in contact with grounded dissipative or conductive flooring.

Charleswater recommends the use of foot ground tester item No. 99004.

For additional information on the use and maintenance of foot grounders please ask for Technical Bulletins PPE-5006.E or PPE-5011.E.

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.



Foot Grounder, Heel, Snap-Loc

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