

# Botron B7522 Technical Data Sheet



## Cup design:

The cup of the Ergo One toe ground is a 5" long piece of dual layer rubber, with a non-marking interior and a conductive rubber outer layer. All of our static control toe grounders come standard with 1.5" wide rubber for better floor contact.

## Fastening System:

As with all of our toe grounders, The Ergo One utilizes our elastic stretch strap and lock design. The heel strap measures .75" wide by 12" in length and fastens with a snap lock mechanism. The 5" hook and loop stretch velcro strap located at the toe is adjustable to provide a firm and comfortable fit for those of larger shoe sizes.

## Grounding:

Our ESD toe grounders come with a conductive 10" long ribbon. All resistors are built in and molded in a hard composite for protection. They are available in 1meg, 2meg, and no resistor applications.

## Product Notes and Features

- 1) 12" Stretch Hook and Loop for Comfort Fit
- 2) 1Meg, 2Meg or No Resistor Applications
- 3) 1.5" x 7.5" Cup w/ Non-Marking Interior
- 4) 10" Conductive Nylon Ribbon

## PROPERTIES

## SPECIFICATIONS

Cup Design:	1.5" x 7.5" Two Layer Rubber
Sole Interior:	Non-Marking Rubber
Sole Exterior:	Conductive Rubber 5x10 <sup>3</sup>
Ribbon:	10" Conductive Nylon
Charge Decay:	<0.01Sec
Thickness:	0.080
Resistor:	1 MegOhm, 2 MegOhm, and No-Resistor models
RTG (w/ 1Meg):	1.1x10 <sup>6</sup>
RTG (w/ 2Meg):	2.2x10 <sup>6</sup>
Standards:	ANSI/ESD S.20.20 & Mil 263
Fastening system:	¾" x 5" Stretch Hook & Loop and Plastic Locking Snap Mechanism
Packing:	1 per bag / bags of 10
Colors:	Blue, Black



## INSTALLATION

1. Unfasten toe hook and loop, unsnap heel elastic. Step into rubber cup, black side down. Fasten toe elastic tightly over top of toes. Tightly fasten heel elastic.
2. Trim conductive ribbon to desired length and place inside of sock or shoe. (skin contact is recommended)

## RECOMMENDED USAGE

1. For safety reasons, it is recommended that heel grounders be worn on both right and left foot, in order to maintain a continuous path to the ground.
2. Conductive ribbon should be tucked inside the shoe or sock making as much contact with the skin as possible. Please take note, if ribbon is worn outside of the sock to maintain electrical contact, perspiration is needed in order to maintain an electrical contact with the heel grounder.
3. Heel grounders should be used in conjunction with a floor surface, and/or floor mat with a surface resistance less than  $1 \times 10^9$ .

## PART NUMBERS

B7522 Black 1 MegOhm Resistor  
B7523 Black No Resistor  
B7524 Black 2 MegOhm Resistor

## TESTING GUIDELINES

To properly test your heel grounders it is recommended to clean your heel grounder free of debris. Also check that the conductive ribbon is making adequate skin contact.

Botron recommends testing heel grounders with any of the following test equipment. B82251, B8211, B8225, B8506 and B88000.

If you obtain a fail reading, please check your heel grounder for wear as well good skin contact. Retest after inspection. If the unit still fails, replace the heel grounder.

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**Disclaimer.** All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user.

The statements herein shall have no force or effect.