

Botron B7591 Technical Data Sheet



FINAL TEST^{MR}

Venta de Instrumentos de Prueba y Medición

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Cup design:

The cup of Botrons Hi-Visibility Heel Ground features a dual layer rubber with a non-marking inside and a conductive rubber outside. What makes the B7591 series unique is a bright red stretch elastic backing piece designed to ensure a strong fit and great visibility. The benefit of the red heel is ease of identifying that all employees have the proper protection on in the work area. It's elastic backing piece along with 7.5" length rubber provides enough cup volume to fit comfortably on those with larger shoe sizes.

Fastening System:

This is a standard hook and loop velcro system. Measuring .75 wide by 7" in length it's ergonomic design is for both comfort and practicality.

Grounding:

Our ESD heel grounders come standard with a conductive 18" ribbon. All resistors are built in and are available in 1meg or 2meg applications, also available in no resistor.

Product Notes and Features

- 1) 7" Stretch Hook and Loop for Comfort Fit
- 2) 1Meg, 2Meg or No Resistor Applications
- 3) Hi-Visibility Red Elastic Backing
- 4) 1.5" x 7.5" Cup w/ Non-Marking Interior
- 5) 18" 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 ³ |
| Sole Backing: | Red Elastic |
| Ribbon: | 18" Conductive Nylon |
| Charge Decay: | <0.01Sec |
| Thickness: | 0.080 |
| Resistor: | 1 MegOhm, 2 MegOhm, and No-Resistor models |
| RTG (w/ 1Meg): | 1.1x10 ⁶ |
| RTG (w/ 2Meg): | 2.2x10 ⁶ |
| Standards: | ANSI/ESD S.20.20 & Mil 263 |
| Fastening system: | ¾" x 7" Stretch Hook & Loop |
| Packing: | 1 per bag / bags of 10 |
| Colors: | Black |



INSTALLATION

1. Unfasten hook & loop strap and slip the rubber cup onto heel, black side down.
2. Fasten the hook & loop strap tightly over top of foot.
3. 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 1×10^9 .

PART NUMBERS

B7591 Black velcro 1 MegOhm Resistor
B7593 Black velcro No Resistor
B7594 Black velcro 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.