

Looking for an ESD Heel Grounder? We stock many varieties.

- We have Cup, Buckle, Toe, Foot or Disposable Heel Grounders.
- Toe grounders fit high heels, boots and tennis shoes when heel grounders won't.
- Disposable Heel Grounders are inexpensive and effective for one time use by visitors.
- Sole Grounders provide a more complete path to-ground than regular heel or toe grounders due to a wider and more consistent contact area.
- Transforming Technologies' heel grounders are incredibly durable and will not tear

Heel grounders provide a continuous ground path between the operator and properly grounded ESD protected flooring. They are designed for use in applications where user mobility is required, such as wave solder, kitting, and quality control. Per ANSI/ESD S20.20 Paragraph 6.2.2.2, "ESD protective flooring used with approved footwear, may be used as an alternative to the wrist strap system for standing operations." Heel grounders quickly and effectively drain the static charges which collect on personnel during normal, everyday activities. ESD heel straps help protect your electronic assembly plants.

General Guidelines

1. It is recommended that heel grounders be worn on both feet, in order to assure that a continuous path to ground is maintained.
2. Grounding tabs should be tucked inside the shoe with as much contact area as possible to the bottom of the stocking foot. Heel grounders rely upon the perspiration in the shoe to sustain electrical contact between the conductive grounding tab and the body.
3. Heel grounders should be used in conjunction with floor surfaces which have a surface resistance of less than 1×10^9 ohms.

Cleaning

While heel grounders are designed to ground static charges, dirt generally provides an Insulative layer adversely effecting reliability. For proper operation, the Heel Grounder and its conductive strip must be kept clean. The rubber portion should be cleaned with isopropyl alcohol. Heel Grounders can be safely hand or machine washed on gentle cycle. Mild detergents or a liquid dish washing product and warm water are recommended. However, care must be taken to ensure that these detergents are silicone free.



ESD HEEL GROUNDERS

HG1360 Series Stretch Velcro Heel Grounder

HG1360 Heel Grounder is constructed from durable materials with a symmetrical cup design that can be reversed to extend life. The stretch Velcro strap allows easily adjusts to fit around various shoes styles and allows for a comfortable fit. Available in black, red, orange, and blue stretch Velcro.

Key Features:

- Resistor: 1 meg ohm (+/- 5% tolerance), buried
- Color: Stretch Velcro, Black/White rubber
- Rubber Exterior: <10e5 ohms, 1.25" wide
- Ribbon: Conductive yarn in gray polyester ribbon



HG1360NM-2 Non-Marking Heel Grounder

The HG1360NM Heel Grounder is made from gray non-marring rubber to ensure marks with not be left on floors. A symmetrical cup design that can be reversed to extend life and the blue stretch velcro allows for a comfortable fit.

Key Features:

- Resistor: 1 meg ohm (+/- 5% tolerance), buried
- Color: Blue Velcro, Gray rubber
- Rubber Exterior: <5x10¹⁰e3 ohms, 1.25" wide
- Ribbon: Conductive nylon



HG1341 Velcro Heel Grounder

HG1341 Heel Grounder is constructed from durable materials with a symmetrical cup design that can be reversed to extend life. The classic Velcro strap ensures a tight connection around the shoe.

Key Features:

- Resistor: 1 meg ohm (+/- 5% tolerance), buried
- Color: Blue Velcro-type hook and loop, Black/White rubber
- Rubber Exterior: <10e5 ohms, 1.25" wide
- Ribbon: Conductive yarn in gray polyester ribbon

**HG1390S Hi-Visibility Hook and Loop Heel Grounder**

The Hi-Visibility Heel Grounder makes it easy to see that a person is wearing heel grounders in ESD protected areas. The HG1390s has a symmetrical cup design that can be reversed to extend life and the yellow stretch Velcro allows for a comfortable fit.

Key Features:

- Resistor: 1 meg ohm (+/- 5% tolerance), buried
- Yellow/Green hook and loop, Elastic Black/White rubber
- Rubber Exterior: <10e5 ohms, 1.25" wide

**HG1580NM Non-Marking Sport Heel Grounders**

The HG1580NM from Transforming Technologies is ideal for boots and cross-training athletic shoes. Constructed from durable materials and featuring a **non-marking rubber sole**, buckle closure, and unique "sport" design, the HG1580NM provides protection for staff on the move.

Key Features:

- Resistor: 1 meg ohm (+/- 5% tolerance), Molded
- Color: Blue, Red Elastic Gray Rubber
- Rubber Exterior: <5x10¹⁰e3 ohms, 35mm wide
- Ribbon: Conductive yarn in gray polyester ribbon

- Velcro enclosure



HG1590 Sport Heel Grounders

The HG1590 Series from Transforming Technologies is ideal for boots and cross-training athletic shoes. Constructed from durable materials, with a moldable backing which better grips shoes for a tighter fit, the HG1590 Series provides protection for staff on the move.

Key Features:

- Resistor: 1 meg ohm (+/- 5% tolerance), Molded
- Color: Blue, Red Elastic Black/White rubber
- Rubber Exterior: <10e5 ohms, 35mm wide
- Ribbon: Conductive yarn in gray polyester ribbon
- Velcro enclosure



HG1246 - Heel Grounder with 3' Ground Ribbon

The HG1246 is comfortable with most footwear and includes a full 3' conductive ribbon long enough to insert into high top boots or other odd sized shoes.

Key Features:

- Resistor: 1 meg ohm (+/- 5% tolerance), Molded
- Color: Black D-ring with blue Velcro, Black/ White rubber
- Rubber Exterior: <10e5 ohms, 35mm wide
- Velcro-type Hook and Loop: ¾" width
- Ribbon: Extra-long 36" conductive yarn in gray polyester ribbon
- for high top boots and shoes.



HG2520 Toe Grounder

Toe Grounders are the ideal option for grounding footwear, such as high heels, boots, or tennis shoes when standard heel grounders won't fit properly.

Key Features:

- Elastic closure that can ground odd shaped footwear
- 35mm sport design
- Molded resistor

**HG4560 Disposable Heel Grounder, 12" Long**

The HG4560 disposable heel grounders are an economical way to ground visitors into an ESD area. The one-time-use heel grounders resist abrasion and the high visibility yellow material makes it easy to see. Uses conductive carbon to dissipate static charges.

Key Features:

Sold in packs of 100

**HG4560L Disposable Heel Grounder, 24" Long**

The HG4560L disposable heel grounder are the best way to ground operators with odd sized footwear such as boots. The one-time-use heel grounders resist abrasion and the high visibility yellow material makes it easy to see. Uses conductive carbon to dissipate static charges.

Key Features:

Sold in packs of 100

**HG6000 Sole Grounder - Full Sole Coverage**

Sole Grounders cover more of the shoe with conductive rubber to provide a more complete path-to-ground than regular heel grounders due to a wider and more consistent contact area. They are an exceptional way to ensure your mobile operators are grounded.

Key Features:

- Resistor: 1 meg ohm (+/- 5% tolerance), Buried
- Color: Black Elastic, Black/ rubber
- Rubber Exterior: <10e5 ohms, 35mm wide
- Ribbon: Conductive yarn in gray polyester ribbon



HG9000 Non-Marking Sole Grounder

Sole Grounders cover more of the shoe with conductive rubber to provide a more complete path-to-ground than regular heel grounders due to a wider and more consistent contact area. They are an exceptional way to ensure your mobile operators are grounded. Made with non-marking rubber so they will not leave marks on floors.

Key Features:

- Resistor: 1 meg ohm (+/- 5% tolerance), Buried
- Color: Blue Elastic, Yellow/ rubber
- Rubber Exterior: <10e5 ohms, 35mm wide
- Ribbon: Conductive yarn in gray polyester ribbon



HG9000-HV High Visibility Non-Marking Sole Grounder

Sole Grounders cover more of the shoe with conductive rubber to provide a more complete path-to-ground than regular heel grounders due to a wider and more consistent contact area. They are an exceptional way to ensure your mobile operators are grounded. Made with non-marking rubber so they will not leave marks on floors. The yellow strap makes it easy to see.

Key Features:

- Resistor: 1 meg ohm (+/- 5% tolerance), Buried
- Color: Yellow Elastic, Yellow/ rubber
- Rubber Exterior: <10e5 ohms, 35mm wide
- Ribbon: Conductive yarn in gray polyester ribbon



Conductive Disposable Clean Room Shoe covers

Disposable clean room shoe covers provide protection for staff on the move. The plain sole bottom shoe covers are made from two (2) pieces of heavy-weight 1.25oz (40 gm) polypropylene and work well when worn inside laundered boot covers. The surged-seam inside shoe cover design features an elastic opening that fits most regular shoe styles. Packed in inner polyethylene bags and packaged in a master outer bag. Available in blue.



