

# **TECHNICAL DATA SHEET**

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### ESD Conductive Heel Grounder Item No 1903EC040





### Features:

Two Layer Rubber Sole, Black Elastic Strap, Adjustable Strap with Clip Fasteners, Conductive Ribbon

| Components                           | Resistivity                        | Dimensions   |
|--------------------------------------|------------------------------------|--|
| Outer Conductive surface (Black)     | 10 <sup>3</sup> -10 <sup>5</sup> Ω | Length-200mm, width 35mm, Thickness 0.5mm                |
| Inner Anti-Static Surface (Grey)     | 10 <sup>7</sup> -10 <sup>5</sup> Ω | Lengt <mark>h 200mm, width 35m</mark> m, Thickness 1.5mm |
| Conductive Ribbon (Blue)             | 10 <sup>6</sup> Ω                  | Length 600mm, Width 10mm                                 |
| Adjustable Strap with Clip Fasteners | NA                                 | Length 300mm, Width 20mm                                 |

| Specifications:  | Special Note:   |
|--|---|
| 1M $\Omega$ Overall Safety Resistor                    | Heel Grounder Straps should not be used in areas where                  |
| Unisex Style   | the individual may come in contact with electrical circuitry            |
| Non Marking Sole Interior                              | exceeding 250 volts.  |
| Hard Wearing Heel Grounders Designed for Long Term Use |   |
| Reusable and can be Washed by Hand in Mild Detergent   | ESD Character of the Product may vary depending upon<br>Humidity Factor |
| Recommended to Worn on both Feet                       |   |
|  |   |

#### How heel Grounder Works

Heel grounders eliminate a charge on a person by electrically connecting the person to a grounded surface. A conductive ribbon placed inside the wearer's shoe or sock makes electrical contact with the skin through perspiration. The assembly contains a current limiting resistor which protects the operator from accidental exposure to electricity. Heel grounders must be worn on both feet to maintain ground contact while walking.

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