

## 3M™ Heel Grounder Assembly HGC1M-ECG

### Green Economy Heel Grounder

Cost effective but durable. A double life span, three layer sole, and 24 inch multi-strand ribbon make this grounder a good choice when high volume grounder use and turnover are costing too much. Green hook and loop provides visual assurance that heel grounders are being used. The elastic strap offers comfortable adjustability. 3M uses time-tested construction techniques including computer controlled stitching, riveting, die cutting, and heat cutting to ensure consistent performance.

### Standards

Meets the requirements of ANSI/ESD S-20.20, EIA 625, MIL-STD-1686, and MIL-HDBK-263.

### Specifications

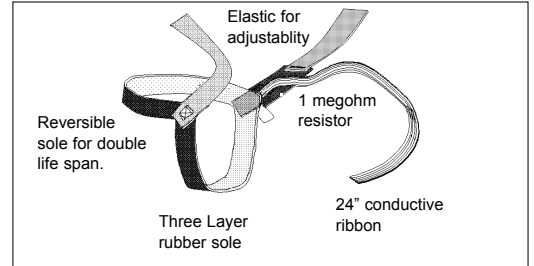
Resistor: 1 megohm  
 Color: Black Sole, Green Hook and Loop  
 Ribbon: Multi-strand, carbon suffused nylon on polyester, sewn in sinusoidal pattern to provide side to side conductivity.  
 Hook and Loop: 3/4"  
 Sole Interior: Non-marking  
 Sole Exterior:  $<10^5$  ohms

### Part Numbers

HGC1M-ECG Economy Heel Grounder, Green, 1 meg resistor

See 3M Data Sheets for these related items:

3M™ Foot Grounder Tester  
 3M™ Floor Mats



### How Foot Grounders Work

Foot grounders discharge static from a person to ground by connecting the person to a grounded walking surface. A conductive ribbon placed inside the wearer's shoe or sock makes electrical contact with the skin through perspiration. The ribbon is joined to a resistor which limits current should accidental exposure to electricity occur. The other end of the resistor is joined to a conductive sole. This sole contacts a grounded ESD floor mat or ESD flooring system. Foot grounders must be worn on both feet to maintain ground contact while walking.

P R O D U C T D A T A S H E E T

## Foot Grounder - Economy Green

PRODUCT  
 ECONOMY HEEL GROUNDER

ITEM NUMBER  
 SEE ABOVE

DATASHEET  
 1270-B