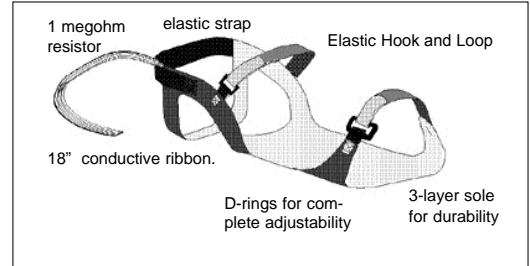


## 3M™ Sole Grounder

### Sole Grounder - Full Coverage

This grounder provides maximum floor contact by covering both the ball of the foot and the heel. Three elastic straps create a comfortable secure fit. This quality grounder is tested for electrical performance and is lot numbered for QC traceability. 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 or 2 megohm
Color:	Black
Ribbon:	Multi-strand, carbon suffused nylon on polyester, sewn in sinusoidal pattern to provide side to side conductivity.
Hook and Loop:	3/4" Black
D-Ring:	2
Elastic Strap:	3/4" Black
Sole Exterior:	<math>10^5</math> ohms

### Part Numbers

SG1M-XL	Extra Large Sole Grounder, 1 meg resistor
SG1M-L	Large Sole Grounder, 1 meg resistor
SG1M-SM	Small/Medium Sole Grounder, 1meg resistor
SG2M-L	Large Sole Grounder, 2 meg resistor
SG2M-SM	Small/Medium Sole Grounder, 2meg 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

### Sole Grounder - Full Coverage

**PRODUCT**  
FULL COVERAGE SOLE GROUNDER

**ITEM NUMBER**  
SEE ABOVE

**DATASHEET**  
1131-A

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