

3M™ Front Sole Grounder -FSG1M

Front Sole Grounder

This grounder provides improved floor contact by covering ball of the foot with conductive rubber. Two D-Ring's and a clasp provide a comfortable and 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

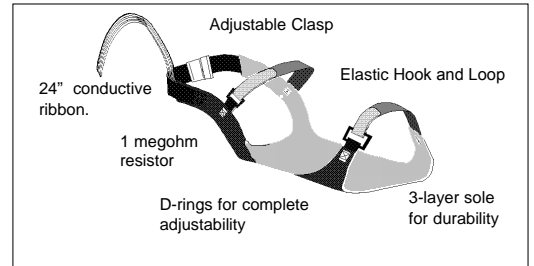
Resistor:	1 or 2 megohm
Color:	Black
Ribbon:	Multi-strand, carbon suffused nylon on polyester, sewn in sinusoidal pattern to provide side to side conductivity.
Hook and Loop:	3/4" Black
D-Ring:	2
Elastic Strap:	3/4" Black with clasp
Sole Exterior:	<10 ⁵ ohms

Part Numbers

FSG1M-S	Small Front Sole Grounder, 1 meg resistor
FSG1M-M	Medium Front Sole Grounder, 1 meg resistor
FSG1M-L	Large Front Sole Grounder, 1meg resistor
FSG2M-S	Small Front Sole Grounder, 2 meg resistor
FSG2M-M	Medium Front Grounder, 2 meg resistor
FSG2M-L	Large Front 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

Front Sole Grounder

PRODUCT
FRONT SOLE GROUNDER

ITEM NUMBER
SEE ABOVE

DATASHEET
1170-A

3M Electronic Solutions Division
6801 River Place Blvd.
Austin, TX 78726-9000
US and Canada: 866-722-3736
Fax: 866-722-3735
Int'l: 919-718-0000; Fax: 919-774-8174
email: 3Mstaticinfo@mmm.com; www.3M.com/static

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