109-AS ESD Heel Straps

Fully Reversible Conductive Heel Cups for Twice the Life

USES: The 109-AS ESD Heel Straps are created to provide a continuous electrical ground path between the technician and a properly grounded ESD Floor or Floor mat. Without the use of ESD heel straps a static charge can NOT make it around the insulative footwear, allowing the static charge to build on the technician and dissipate into ESD sensitive product.

SPECIFICATIONS:

	Inner Layer	Outside Layer	Test Method
Charge Decay		<0.01 sec	FTMS-1018
Abrasion	800 cycles	3000 cycles	ASTM-D3389
Hardness	70 shore A	70 shore A	ASTM-D2240
Elongation	600%	400%	ASTM-D412
Tensile	9,000 lbs.	4,000 lbs.	ASTM-D412
Conductivity	<1.0E09	<1.0E05	ESD-S4.1

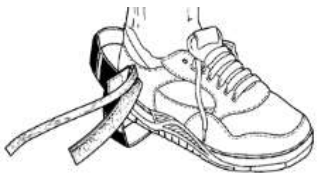
- Tested to ANSI/ESD SP9.2
- Compliant with ANSI ESD S20.20-2021

GENERAL GUIDELINES:

- It is recommended that ESD heel straps be worn on both feet.
- The blue conductive ribbon should be tucked in between the sock and the shoe.
- These heel straps contain a 1 megohm RoHS compliant resistor for safety.
- Heel straps are typically tested before each shift
- Clean with warm soapy water or ElectraMat ESD Mat Cleaner

INSTALLATION:

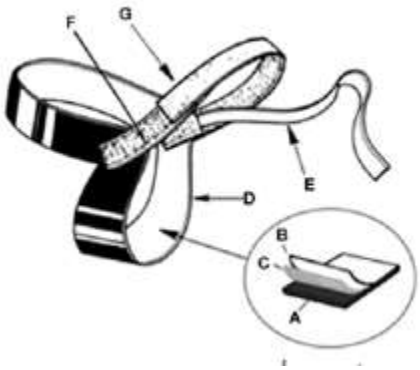
A: Place the strap on the shoe so the blue liner makes contact with the shoe.



B: Place the blue grounding ribbon in the bottom of the shoe. Place foot in shoe. NOTE: It's fine to wear socks! The moisture in them conducts the static charge to the ribbon.

C: Adjust black Velcro strap for a fast, comfortable and secure fit.

PARTS:



A: Black outer layer contacts ESD floor.
B: Blue inner surface contacts shoe.
C: 4.3 ounce polyester scrim.
D: 0.060' thick black 1.5" floor contact area.
E: 18" Blue, 3/8" wide ribbon tucks in to shoe.
F & G: Black 3/4" double sided hook and loop fastener, for quick and easy tightening of strap to foot.

Distributed By

Revision History
Initial Release 1.28.25, Approved SRC