



Designed to meet the EN 61340-5-1 footwear requirements tested per IEC 61340-4-3. Per IEC 61340-5-2 paragraph 5.2.8, footwear should be used “where personnel are mobile, in storing areas, operating large machinery, etc., it may be impractical or dangerous to have long cords attached to them.”

Key:

- A. 1.50mm thick, 2.54cm wide contact area
 - Outer black layer is conductive neoprene.
 - Inner layer is insulative neoprene.
 - Tear resistant nylon reinforced 124g inner scrim layer prevents the rubber from tearing.
- B. 10mm wide, 76mm long blue nylon ribbon contains 8 electrically conductive carbon suffused fibers, reversible, may be positioned on either side of foot.
- C. 20mm wide blue non-elastic hook material.
- D. 20mm wide blue stretch loop material, for quick and easy attachment to foot.
- E. One megohm internal resistor.



listed. Lot coded for quality traceability.

"For standing operations, personnel can be grounded via a wrist strap system or by a footwear-flooring system. When a footwear-flooring system is used, personnel shall wear ESD footwear on both feet and the two following conditions shall be met:

- the total resistance of the system (from the person, through the footwear and flooring to ground) shall be less than $1,0 \times 10^9 \Omega$;
- the maximum body voltage generation shall be less than 100 V."

[IEC 61340-5-1 Clause 5.3.3 Personnel Grounding]

"Heel and toe grounders are used for employees and visitors in an ESD controlled area. Heel and toe grounders should be worn on each foot. If worn improperly, heel and toe grounders become ineffective. Heel grounders can easily lose contact with the floor and therefore, may require more monitoring than other types of footwear. It is important that the conductive ribbon has good electrical contact with the person's body through direct contact with the person's skin or by connection through the person's socks."

[CLC/TR 61340-5-2 User guide clause 4.7.4.2.1 Heel and toe grounders]

Item	Description
70004	Heel Grounder, 1 Megohm resistor

For additional information on the use and maintenance of foot grounders, please download Technical Bulletin [TB-7515](#).

Unless otherwise noted, tolerance $\pm 10\%$

Specifications and procedures subject to change without notice.



Made in the United States of America

Adjustable Heel Grounder

DESCO EUROPE

DESCO EUROPE
 2A DUNHAMS LANE, LETCHWORTH GARDEN CITY,
 HERTFORDSHIRE, SG6 1BE, UK
 PHONE: +44 (0) 1462 672005
 E-MAIL: Service@DescoEurope.com, INTERNET: DescoEurope.com

Drawing Number
 70004.E

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