DESCO EUROPE

FOOT GROUNDER SELECTION CHART

This chart has been provided to help you determine the Foot Grounder that best fits your needs. If you have further questions or would like to request a sample to evaluate, contact Desco Europe.

Foot Grounder	With Hook and Loop Straps	With Elastic Back & Hook and Loop Straps	With Elastic Straps & Clip Fastener	With Snap-Loc	Wescorp	Non-Marking	Disposable	SCS Specialty Foot Grounders	SCS Standard Style Foot Grounders One Sole	SCS Standard Style Foot Grounders Two Soles
Grounder Type	Heel	Heel	Heel	Heel	Heel & toe	Heel	N/A	Toe	Heel	Heel
Resistor Value	1 megohm	1 megohm	1 megohm	1 megohm	1 megohm	1 megohm	No resistor	1 megohm	1 megohm	1 megohm
Closure Type / Style	Hook and loop straps	Elastic back & hook and loop straps	Elastic straps & clip fastener	Snap-loc fastener	Hook and loop fastener	Hook and loop fastener	Adhesive seal	Cam Buckle	Elastic back, D-ring & elastic hook and loop straps	Hook and loop straps
Material	Abrasion resistant 2-layer rubber	Abrasion resistant 2-layer rubber	Abrasion resistant 2-layer rubber	Abrasion resistant 2-layer rubber	Abrasion resistant 2-layer rubber	Solid 3-layer rubber	Non-woven fibrous material	Abrasion resistant 2-layer rubber	Abrasion resistant 2-layer rubber	Abrasion resistant 2-layer rubber
Special Feature	Economical Model	Lightweight	Does not require daily readjustment	Adjustable and comfortable	Comfortable	Will not mark shoes & floors	One time use, ideal for visitors	Durable 2-layer sole	Comfort, durability and cost effectiveness	Re-positionable Sole for Extended Performance
Colour	Yellow	Blue	Black	Dark blue	Black	Light blue and yellow	Black and yellow	Black	Red	Burgundy, yellow and black
Non-Marking	Shoes	Shoes	Shoes	Shoes	Shoes	Floor and shoes	Shoes	Shoes	Shoes	Shoes
Size	One size fits all	One size fits all	One size fits all	One size fits all	One size fits all	One size fits all	One size fits all	One size fits all	One size fits all	One size fits all
Part Numbers	248555 248560	248665	248680	70050	249265 249266	17252	249205 249220	TG1M	HGS1MD-RED	2044 2051 HGC1M-EC
Made In	United Kingdom	United Kingdom	United Kingdom	United States of America	United States of America	United States of America	United Kingdom	United States of America	United States of America	United States of America
Value	Good	Good	Good	Good	Good	Good	Single-use only	Good	Good	Better

RoHS 2, REACH and Conflict Minerals Statement
See RoHS, REACH and Conflict Minerals Statement at DescoEurope.com.

Limited Warranty:
See Desco Europe's Limited Warranty at DescoEurope.com.

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All Desco Europe foot grounders are suitable as ESD footwear component in Person/footwear/flooring system meeting EN 61340-5-1 limit of < 3.5 x 10^7ohms tested per Clause A.2 and RoHS compliant.

Desco Europe foot grounders - designed for Europe

Per EN 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.*". They must be used with an ESD protected floor (such as correctly grounded ESD floor finish, carpet tiles or floor mats) to provide a continuous electrical path from the user directly to the ESD ground. Foot grounders provide a ground path from the moisture layer on the wearer's skin through socks and via the conductive tab and dissipative rubber to the dissipative or conductive floor surface.

Per User guide CLC/TR 61340-5-2 Footwear clause 5.2.8 "*Most people do not stand solidly on both feet, it is important that paths to ground are made in the heel and toe area of both feet.*" It is important that personnel are instructed in the correct use and maintenance of foot grounders, especially the necessity of placing the grounding tab under the foot in the shoe. See Desco Europe technical bulletin TB-7515 for details.

Many of our foot grounders utilise an industrial dual layer rubber with an inner scrim. This produces exceptionally tear resistant foot grounders and provides long life, saving you money.

Desco Europe foot grounders are made in our Letchworth, UK factory or Rochester, New Hampshire, USA factory. SCS foot grounders are made in Sanford, USA factory. Manufacturing our products ensures high quality standards. This also gives us the ability to make custom foot grounders. Contact Customer Service for a quote!

All Desco Europe foot grounders, when used with an ESD protected floor, fulfill the requirements of EN 61340-5-1.

Compliance Verification - personnel grounding testers

Per User guide CLC/TR 61340-5-2 Footwear clause 5.2.8 "*Where toe and heel straps are used as ESD footwear, once these are worn outside the EPA, particularly on carpets, they are likely to accumulate fluff and become ineffective; this requires that they be checked or replaced on every visit to the EPA [ESD Protected Area]. When ESD footwear is used, it should be noted that ESD footwear alone cannot achieve protection, but needs to be used in conjunction with a suitable ESD floor.*" Perform Compliance Verification testing per EN 61340-5-1 Clause A.2 using a Desco Europe footwear tester.

Why wear two foot grounders?

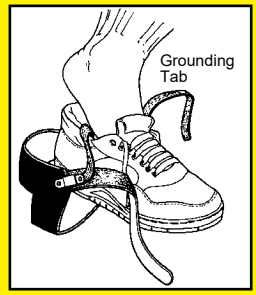
Desco Europe highly recommends wearing two foot grounders, one on each foot, to increase the integrity of the body-to-ground connection. Wearing a foot grounder on each foot ensures contact with ground via the ESD floor even when one foot is lifted off the floor. This will more reliably remove static charges generated by human movement and more reliably protect ESDS.

Why one megohm resistor?

EN 61340-5-1 recommends a minimum of 1 megohm resistance to ground (R_g) in order to limit inadvertent electrical current exposure to a maximum of 0.00025 amperes.

Foot grounders are superior to ESD shoes

Foot grounders manufactured from premium rubber are often superior to ESD shoes as "*hygroscopic materials (such as but not limited to, leather) may have results that fluctuate and do not remain within a specified minimum or maximum resistance range as the environmental conditions change.*"



Correct installation of foot grounders

Grounding tab must be placed under foot in the shoe. This is essential to complete the circuit. Charges are removed from body through foot perspiration in the shoe, sustaining electrical contact between the conductive grounding tab and the body.

Download technical bulletin TB-7515 for complete instructions.

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