Standard (Orange) Equi-Mat® Personal Protective Ground Grid



Features & Applications

- Complies with OSHA 1910.269 for equipotential requirements near vehicles, underground gear, overhead switches and in substations
- Meets ASTM F2715 Standard

Portable, lightweight, high performance

- An easy way to help establish an equipotential zone for a lineworker
- For standing on during various energized and de-energized work practices
- Properly applied, it accomplishes compliance with Occupational Safety and Health Administration (OSHA) 1910.269:
  - o "Equipotential zone. Temporary protective grounds shall be placed at such locations and arranged in such a manner that the employer can demonstrate will prevent each employee from being exposed to hazardous differences in electric potential."
- Can be taken anywhere needed, is simple to use, maintain and store
- Consists of a high-ampacity tinned-copper-braid cable sewn in a grid pattern onto a vinyl/polyester fabric
- Cable terminals permit connecting mat's grid in series with an electrical ground and subject system component or vehicle
- Simply rinsing with water comprises all the care the mat requires
- Mat may be folded and stored in a tool bag to help keep it clean and protected
- Complete instructions are included with each unit

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Basic Equi-Mat® Personal Protective Ground Grid
Each Basic Unit includes a Long Ball Stud and illustrated instructions.

Catalog No.	Size	Weight
Single 1/4" Perimeter Braid		
PSC6003080* (Bucket)	24" x 24"	5 lb. / 2.3 kg.
C6002850	58" x 58"	8 lb. / 3.6 kg.
C6002851	58" x 120"	13 lb. / 5.9 kg.
C6002852	120" x 120"	20 lb. / 9.1 kg.

*For use in bottom of personnel bucket of lift truck.

Pre-Packaged Kits

Each Pre-Packaged Kit includes Ground Grid (size below with Long Ball Stud and illustrated instructions) plus Ground Set T6002841 and Storage Bag C4170147.

Kit Catalog No.	Equi-Mat® Personal Protective Ground Grid Size	Weight per Kit
C6002989	58" x 58"	19 lb. / 8.6 kg.
C6002990	58" x 120"	27 lb. / 12.2 kg.
C6002991	120" x 120"	30 lb. / 13.6 kg.

Accessory Items



Long Ball Stud T6002364
included with each Basic Equi-Mat® Personal Protective Ground Grid (Catalog page 3014)



Ground Set T6002841 included with Kits only
Consists of 6 ft. long #2 cable with ferrules applied,
Ball Socket clamp (C6002100)
and C-Type clamp (T6000465)

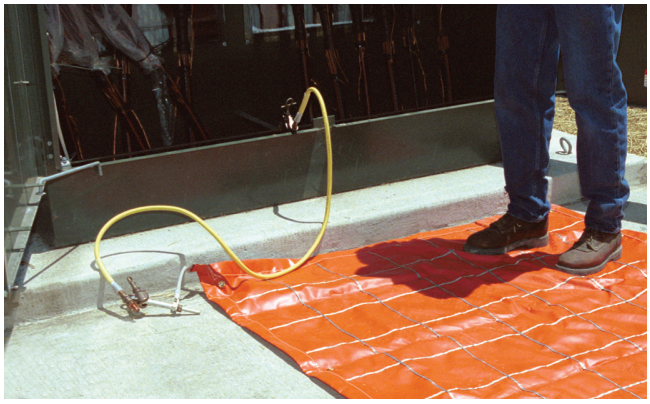


Storage Bag C4170147
included with Kits only
Catalog pages 2512-13

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Applications
Padmounted Transformers and Switches
- Complies with OSHA 1910.269
- Protects workers operating and maintaining padmounted transformers and switchgear
- Proper use of EQUI-MAT Personal Protective Ground Grid in these applications creates an equipotential zone
- This is the same as a cluster bar (chain binder) does in overhead grounding practices



Bottom of Personnel Bucket on Lift Truck
- Use only 24" x 24" Catalog No. PSC6003080

Mechanical Equipment (Vehicles, etc.) Grounding
- Provides compliance with OSHA 1910.269
- Protects workers around mechanical equipment which could become energized, such as utility vehicles and portable generators
- For proper application, EQUI-MAT Personal Protective Ground Grids are attached to the vehicle (for example) at locations where workers could contact the vehicle
- This extends the equipotential area around the vehicle

Overhead Distribution and Transmission Switches
- EQUI-MAT Personal Protective Ground Grid can help eliminate step and touch potential
- Connect it to the handle of an overhead switch and stand on it when opening or closing the switch

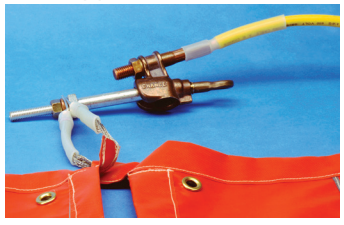
Line Apparatus Work
- Similar uses for installing, maintaining or operating regulators, reclosers, capacitor banks

Suspect Substation Grids
- If station ground mat integrity is questionable, apply the EQUI-MAT Personal Protective Ground Grid

Simple to join multiples for larger areas
- Cascading (or joining together) two or more mats is easy
- Connecting tab and hardware furnished with each mat
- Connected in series, the conductive grids become one
- For larger area, place lug connector tabs of two adjacent mats on the supplied bolt or threaded shank of a ball stud and secure with supplied washer and nut







(Left) To join mats, conductive grids simply connect at tabs with bolt, washer and nut included with each mat. Tabs have shrink tube for stress relief. (Right) Ball stud can join mats and connect to ground set clamps.

Long ball stud accepts various grounding clamps as shown below and at right: Ball/Socket, C Type and Duckbill.

